

**Appendix K**

**2001 Carbonyl Raw Monitoring Data**

# Arlington, Texas (A2TX) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19027 D1 | 19027 R1 | 19029 D2 | 19029 R2 | 19068 D1 | 19068 R1 | 19069 D2 | 19069 R2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 1/7/01   | 1/7/01   | 1/7/01   | 1/7/01   | 1/13/01  | 1/13/01  | 1/13/01  | 1/13/01  |
| ANALYSIS DATE            | 2/1/01   | 2/1/01   | 2/1/01   | 2/1/01   | 2/1/01   | 2/1/01   | 2/1/01   | 2/1/01   |
| FILE NAME                | Q1A%019  | Q1A%020  | Q1A%021  | Q1A%022  | Q1A%023  | Q1A%024  | Q1A%025  | Q1A%026  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.56     | 2.44     | 2.54     | 2.46     | 1.30     | 1.24     | 1.31     | 1.32     |
| Acetaldehyde             | 1.16     | 1.10     | 1.16     | 1.16     | 0.75     | 0.72     | 0.72     | 0.73     |
| Acetone                  | 1.94     | 1.87     | 1.96     | 1.98     | 0.58     | 0.56     | 0.82     | 0.83     |
| Propionaldehyde          | 0.19     | 0.18     | 0.19     | 0.18     | 0.11     | 0.11     | 0.11     | 0.11     |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND       | ND       | 0.03     | 0.03     |
| Butyr/Isobutyraldehyde   | 0.09     | 0.09     | 0.10     | 0.09     | 0.07     | 0.05     | 0.06     | 0.06     |
| Benzaldehyde             | 0.06     | 0.11     | 0.06     | 0.07     | 0.05     | 0.05     | 0.06     | 0.06     |
| Isovaleraldehyde         | 0.01     | 0.03     | 0.01     | 0.01     | ND       | 0.01     | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.04     | 0.03     | 0.03     | 0.04     | 0.02     | 0.03     | 0.03     |
| Tolualdehydes            | ND       | ND       | 0.05     | 0.06     | 0.01     | 0.02     | 0.03     | 0.03     |
| Hexaldehyde              | 0.11     | 0.11     | 0.11     | 0.12     | 0.08     | 0.06     | 0.07     | 0.07     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

\*\* - Sample values low due to moisture in cartridge.

# Arlington, Texas (A2TX) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19138   | 19210   | 19305 D1 | 19307 D2 | 19416   | 19530   | 19589 D1 | 19589 R1 |
|--------------------------|---------|---------|----------|----------|---------|---------|----------|----------|
| SAMPLE DATE              | 1/19/01 | 1/31/01 | 2/12/01  | 2/12/01  | 2/24/01 | 3/8/01  | 3/20/01  | 3/20/01  |
| ANALYSIS DATE            | 2/7/01  | 2/9/01  | VOID     | VOID     | 3/13/01 | 4/17/01 | 4/21/01  | 4/21/01  |
| FILE NAME                | Q1BF031 | Q1BH043 | VOID     | VOID     | Q1CL016 | F1DP015 | F1DS035  | F1DS036  |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 1.26    | 1.57    |          |          | 1.07    | 2.25    | 2.49     | 2.47     |
| Acetaldehyde             | 0.54    | 0.58    |          |          | 0.44    | 1.08    | 1.13     | 1.11     |
| Acetone                  | 0.90    | 0.99    |          |          | 0.70    | 0.64    | 2.04     | 2.01     |
| Propionaldehyde          | 0.07    | 0.09    |          |          | 0.04    | 0.01    | 0.10     | 0.09     |
| Crotonaldehyde           | 0.03    | 0.04    |          |          | 0.01    | 0.01    | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.05    | 0.06    |          |          | 0.02    | 0.04    | 0.20     | 0.20     |
| Benzaldehyde             | 0.05    | 0.05    |          |          | 0.05    | 0.07    | 0.07     | 0.07     |
| Isovaleraldehyde         | ND      | ND      |          |          | ND      | ND      | ND       | ND       |
| Valeraldehyde            | 0.02    | 0.01    |          |          | 0.01    | 0.02    | 0.03     | 0.03     |
| Tolualdehydes            | 0.04    | 0.05    |          |          | 0.02    | 0.02    | 0.04     | 0.05     |
| Hexaldehyde              | 0.10    | ND      |          |          | ND      | 0.02    | 0.05     | 0.06     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      |          |          | ND      | 0.03    | 0.01     | 0.01     |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

\*\* - Sample values low due to moisture in cartridge.

# Arlington, Texas (A2TX) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19591 D2 | 19591 R2 | 19749    | 19827   | 19932   | 20069     | 20251 D1  | 20251 R1  |
|--------------------------|----------|----------|----------|---------|---------|-----------|-----------|-----------|
| SAMPLE DATE              | 3/20/01  | 3/20/01  | 4/1/01   | 4/13/01 | 4/25/01 | 5/7/01    | 5/19/01   | 5/19/01   |
| ANALYSIS DATE            | 4/21/01  | 4/21/01  | 5/1/01   | 5/8/01  | 5/18/01 | 5/30/01   | 6/12/01   | 6/12/01   |
| FILE NAME                | F1DS037  | F1DS038  | F1D\$040 | F1EG026 | Q1EQ017 | **Q1E#015 | **Q1FK030 | **Q1FK031 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv      | ppbv      | ppbv      |
| Formaldehyde             | 2.44     | 2.44     | 2.21     | 3.39    | 3.37    | 2.64      | 10.38     | 10.81     |
| Acetaldehyde             | 1.09     | 1.08     | 1.02     | 1.26    | 1.56    | 1.05      | 0.05      | 0.01      |
| Acetone                  | 2.18     | 2.18     | 1.00     | 0.69    | 2.42    | 0.61      | ND        | 0.02      |
| Propionaldehyde          | 0.10     | 0.09     | 0.02     | ND      | 0.13    | 0.04      | ND        | ND        |
| Crotonaldehyde           | 0.01     | 0.01     | 0.01     | 0.01    | 0.06    | ND        | ND        | ND        |
| Butyr/Isobutyraldehyde   | 0.20     | 0.20     | 0.06     | 0.06    | 0.07    | 0.04      | ND        | ND        |
| Benzaldehyde             | 0.07     | 0.07     | 0.06     | 0.13    | 0.13    | ND        | 0.16      | ND        |
| Isovaleraldehyde         | ND       | ND       | ND       | ND      | ND      | ND        | ND        | ND        |
| Valeraldehyde            | 0.03     | 0.03     | 0.01     | 0.02    | 0.03    | ND        | ND        | ND        |
| Tolualdehydes            | 0.04     | 0.04     | 0.04     | ND      | ND      | ND        | 0.20      | 0.15      |
| Hexaldehyde              | 0.06     | 0.06     | 0.03     | 0.02    | ND      | ND        | 0.43      | 0.42      |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.01     | 0.002u   | 0.01    | 0.05    | ND        | ND        | ND        |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

\*\* - Sample values low due to moisture in cartridge.

# Arlington, Texas (A2TX) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20253 D2  | 20253 R2  | 21070   | 21446    |
|--------------------------|-----------|-----------|---------|----------|
| SAMPLE DATE              | 5/19/01   | 5/19/01   | 6/24/01 | 7/6/01   |
| ANALYSIS DATE            | 6/12/01   | 6/12/01   | 7/12/01 | 7/27/01  |
| FILE NAME                | **Q1FK033 | **Q1FK034 | Q1GK019 | *Q1G~012 |
| UNITS                    | ppbv      | ppbv      | ppbv    | ppbv     |
| Formaldehyde             | 7.91      | 8.00      | 6.13    | 41.00    |
| Acetaldehyde             | 0.05      | 0.06      | 1.30    | ND       |
| Acetone                  | ND        | ND        | 1.49    | ND       |
| Propionaldehyde          | ND        | ND        | ND      | ND       |
| Crotonaldehyde           | ND        | ND        | ND      | ND       |
| Butyr/Isobutyraldehyde   | ND        | ND        | ND      | ND       |
| Benzaldehyde             | ND        | ND        | 0.11    | ND       |
| Isovaleraldehyde         | ND        | ND        | ND      | ND       |
| Valeraldehyde            | ND        | ND        | ND      | ND       |
| Tolualdehydes            | 0.18      | 0.13      | 0.19    | 0.77     |
| Hexaldehyde              | 0.41      | 0.37      | 1.52    | 4.30     |
| 2,5-Dimethylbenzaldehyde | ND        | ND        | ND      | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

\*\* - Sample values low due to moisture in cartridge.

# Arlington, Texas (A2TX) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1BF030  | Q1CL017  | F1DP016  | F1EG027  | Q1E#016  |
|--------------------------|----------|----------|----------|----------|----------|
| FB ID                    | 19139 FB | 19417 FB | 19531 FB | 19828 FB | 20068 FB |
| Sample Date              | 1/19/01  | 2/24/01  | 3/8/01   | 4/13/01  | 5/7/01   |
| Date Analyzed            | 2/7/01   | 3/13/01  | 4/17/01  | 5/8/01   | 5/30/01  |
| Formaldehyde             | 0.770    | 0.584    | 0.714    | 0.137    | 0.122    |
| Acetaldehyde             | 0.404    | 0.311    | 0.374    | 0.135    | 0.084    |
| Acetone                  | 2.623    | 1.724    | 1.207    | 0.266    | 0.262    |
| Propionaldehyde          | ND       | ND       | 0.198    | 0.010    | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND       |
| Butyraldehyde            | ND       | ND       | 0.339    | ND       | ND       |
| Benzaldehyde             | 0.287    | ND       | 0.303    | 0.018    | ND       |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | ND       | ND       | ND       | 0.010    | ND       |
| Tolualdehydes            | ND       | ND       | ND       | ND       | ND       |
| Hexaldehyde              | 0.332    | ND       | 0.451    | 0.090    | ND       |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       |

# Allen Park, Michigan (AMPI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20018   | 20157   | 20314   | 20465   | 20637   | 21052   | 21429   | 21653   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 4/25/01 | 5/7/01  | 5/19/01 | 5/31/01 | 6/12/01 | 6/24/01 | 7/6/01  | 7/18/01 |
| ANALYSIS DATE            | 5/17/01 | 6/14/01 | 6/14/01 | 6/20/01 | 7/23/01 | 7/24/01 | 7/30/01 | 8/6/01  |
| FILE NAME                | F1EQ009 | F1FN007 | F1FN015 | F1FT007 | Q1GW010 | Q1GW026 | F1G#017 | F1HF010 |
| UNITS                    | ppbv    |
| Formaldehyde             | 1.44    | 2.97    | 3.19    | 2.45    | 3.78    | 3.85    | 2.38    | 2.99    |
| Acetaldehyde             | 0.63    | 1.30    | 1.98    | 1.31    | 1.65    | 1.93    | 1.04    | 1.50    |
| Acetone                  | 1.88    | 1.36    | 3.02    | 2.86    | 1.12    | 1.43    | 1.14    | 0.86    |
| Propionaldehyde          | 0.07    | 0.15    | 0.22    | 0.16    | 0.27    | 0.32    | 0.13    | 0.21    |
| Crotonaldehyde           | 0.001u  | 0.01    | ND      | 0.01    | ND      | ND      | ND      | 0.05    |
| Butyr/Isobutyraldehyde   | 0.18    | 0.17    | 0.26    | 0.23    | 0.13    | 0.15    | 0.18    | 0.24    |
| Benzaldehyde             | 0.04    | 0.08    | 0.09    | 0.09    | 0.08    | 0.09    | 0.05    | 0.06    |
| Isovaleraldehyde         | ND      | ND      | ND      | 0.06    | ND      | ND      | ND      | ND      |
| Valeraldehyde            | 0.02    | 0.04    | 0.07    | 0.05    | 0.04    | 0.04    | 0.03    | 0.04    |
| Tolualdehydes            | 0.08    | 0.03    | ND      | ND      | 0.01    | 0.01    | 0.10    | 0.03    |
| Hexaldehyde              | 0.03    | 0.08    | 0.09    | 0.07    | 0.18    | 0.21    | 0.06    | 0.05    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.002u  | 0.01    | ND      | ND      | ND      | ND      | ND      |

u - Concentration is below the detection limit.

1 of 4

# Allen Park, Michigan (AMPI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21854   | 22126   | 22402   | 22768    | 22770    | 22869    | 23161    | 23374    |
|--------------------------|---------|---------|---------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 7/30/01 | 8/11/01 | 8/23/01 | 9/4/01   | 9/10/01  | 9/16/01  | 9/28/01  | 10/10/01 |
| ANALYSIS DATE            | 8/15/01 | 9/12/01 | 9/22/01 | 10/19/01 | 10/19/01 | 10/23/01 | 10/27/01 | 11/6/01  |
| FILE NAME                | F1HN025 | Q1IL021 | F1IT066 | Q1JQ056  | F1JS011  | F1JV021  | F1JZ051  | F1KE027  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 2.74    | 1.86    | 2.53    | 1.70     | 1.50     | 2.35     | 0.96     | 2.18     |
| Acetaldehyde             | 1.50    | 0.78    | 1.16    | 0.81     | 0.60     | 1.52     | 0.60     | 1.17     |
| Acetone                  | 0.47    | 0.58    | 0.69    | 0.66     | 0.97     | 1.99     | 0.94     | 1.01     |
| Propionaldehyde          | 0.22    | 0.11    | 0.19    | 0.12     | 0.07     | 0.19     | 0.07     | 0.16     |
| Crotonaldehyde           | 0.01    | 0.09    | ND      | ND       | 0.01     | 0.01     | 0.004    | 0.01     |
| Butyr/Isobutyraldehyde   | 0.14    | 0.06    | 0.16    | 0.06     | 0.08     | 0.23     | 0.13     | 0.19     |
| Benzaldehyde             | 0.08    | 0.05    | 0.06    | 0.19     | 0.04     | 0.05     | 0.03     | 0.05     |
| Isovaleraldehyde         | 0.04    | ND      | ND      | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.04    | 0.01    | 0.03    | 0.02     | 0.02     | 0.04     | 0.02     | 0.03     |
| Tolualdehydes            | 0.06    | 0.02    | 0.05    | 0.01     | 0.02     | 0.05     | 0.03     | 0.05     |
| Hexaldehyde              | 0.05    | 0.11    | 0.04    | 0.10     | 0.02     | 0.05     | 0.02     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | ND       | ND       | ND       | ND       | ND       |

u - Concentration is below the detection limit.

2 of 4

# Allen Park, Michigan (AMPI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23560    | 23851    | 24035    | 24231    | 24490   | 24758    |
|--------------------------|----------|----------|----------|----------|---------|----------|
| SAMPLE DATE              | 10/22/01 | 11/3/01  | 11/15/01 | 11/27/01 | 12/9/01 | 12/21/01 |
| ANALYSIS DATE            | 11/7/01  | 11/13/01 | 11/29/01 | 12/11/01 | 1/3/02  | 1/17/02  |
| FILE NAME                | F1KE061  | F1KL043  | F1K!022  | F1LK012  | F2AB023 | F2AQ013  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     |
| Formaldehyde             | 2.19     | 1.94     | 1.74     | 0.95     | 1.03    | 1.90     |
| Acetaldehyde             | 1.53     | 1.17     | 1.14     | 0.63     | 0.54    | 0.91     |
| Acetone                  | 1.27     | 1.64     | 1.28     | 0.94     | 0.82    | 1.18     |
| Propionaldehyde          | 0.17     | 0.12     | 0.09     | 0.06     | 0.06    | 0.09     |
| Crotonaldehyde           | 0.01     | 0.02     | 0.01     | 0.01     | 0.01    | 0.02     |
| Butyr/Isobutyraldehyde   | 0.25     | 0.17     | 0.15     | 0.12     | 0.08    | 0.14     |
| Benzaldehyde             | 0.04     | 0.05     | 0.03     | 0.02     | 0.02    | 0.06     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | 0.01     |
| Valeraldehyde            | 0.04     | 0.04     | 0.03     | 0.02     | 0.02    | 0.03     |
| Tolualdehydes            | 0.07     | 0.04     | 0.03     | 0.02     | 0.005   | 0.05     |
| Hexaldehyde              | 0.05     | 0.04     | 0.03     | 0.02     | 0.02    | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.01     | ND       | ND      | ND       |

u - Concentration is below the detection limit.

3 of 4

# Allen Park, Michigan (AMPI) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1IT067  | F1JS010  |
|--------------------------|----------|----------|
| FB ID                    | 22403 FB | 22769 FB |
| Sample Date              | 8/23/01  | 9/10/01  |
| Date Analyzed            | 9/22/01  | 10/19/01 |
|                          |          |          |
| Formaldehyde             | 0.073    | 0.132    |
| Acetaldehyde             | 0.146    | 0.159    |
| Acetone                  | 0.205    | 0.333    |
| Propionaldehyde          | 0.004    | 0.009    |
| Crotonaldehyde           | ND       | ND       |
| Butyraldehyde            | 0.189    | 0.184    |
| Benzaldehyde             | 0.011    | 0.011    |
| Isovaleraldehyde         | ND       | ND       |
| Valeraldehyde            | 0.006    | 0.003    |
| Tolualdehydes            | 0.044    | 0.118    |
| Hexaldehyde              | 0.078    | 0.065    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       |

# Azaleal, Florida (AZFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19000    | 19051  | 19082   | 19145   | 19196   | 19238   | 19288   | 19327   |
|--------------------------|----------|--------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 1/1/01   | 1/7/01 | 1/13/01 | 1/19/01 | 1/25/01 | 1/31/01 | 2/6/01  | 2/12/01 |
| ANALYSIS DATE            | 1/31/01  | VOID   | 2/6/01  | 2/8/01  | 2/13/01 | 2/14/01 | 2/27/01 | 2/28/01 |
| FILE NAME                | Q1A\$023 | VOID   | Q1BF007 | Q1BH007 | Q1BM009 | Q1BM026 | Q1B~013 | Q1B!006 |
| UNITS                    | ppbv     | ppbv   | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 2.39     |        | 2.03    | 1.70    | 1.99    | 1.61    | 3.04    | 2.58    |
| Acetaldehyde             | 1.37     |        | 1.01    | 0.35    | 0.92    | 0.45    | 1.71    | 1.01    |
| Acetone                  | 1.56     |        | 2.02    | 0.23    | 2.39    | 0.37    | 3.00    | 0.89    |
| Propionaldehyde          | 0.14     |        | 0.14    | 0.01    | 0.09    | 0.05    | 0.21    | 0.11    |
| Crotonaldehyde           | 0.07     |        | ND      | ND      | ND      | 0.03    | 0.05    | 0.06    |
| Butyr/Isobutyraldehyde   | 0.09     |        | 0.08    | ND      | 0.07    | 0.03    | 0.11    | 0.91    |
| Benzaldehyde             | 0.05     |        | 0.05    | 0.02    | 0.04    | 0.02    | 0.12    | 0.06    |
| Isovaleraldehyde         | ND       |        | ND      | ND      | ND      | ND      | ND      | 0.01    |
| Valeraldehyde            | 0.03     |        | 0.01    | ND      | 0.003u  | ND      | 0.02    | 0.01    |
| Tolualdehydes            | 0.08     |        | 0.06    | ND      | 0.03    | 0.01    | 0.07    | 0.04    |
| Hexaldehyde              | ND       |        | 0.15    | 0.06    | 0.16    | 0.10    | 0.25    | 0.23    |
| 2,5-Dimethylbenzaldehyde | ND       |        | ND      | ND      | 0.02    | ND      | ND      | ND      |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content.

# Azaleal, Florida (AZFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19398   | 19449   | 19480   | 19542   | 19544   | 19564   | 19614   | 19720    |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 2/18/01 | 2/24/01 | 3/2/01  | 3/8/01  | 3/11/01 | 3/14/01 | 3/20/01 | 3/26/01  |
| ANALYSIS DATE            | 3/12/01 | 4/9/01  | 4/16/01 | 4/17/01 | 4/12/01 | 4/19/01 | 4/20/01 | 4/30/01  |
| FILE NAME                | Q1CL012 | F1DI010 | F1DP009 | F1DP032 | F1DI056 | F1DS006 | F1DS017 | F1D\$009 |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.99    | 2.72    | 1.29    | 2.75    | 1.97    | 2.29    | 1.19    | 2.02     |
| Acetaldehyde             | 1.31    | 1.45    | 0.33    | 1.41    | 1.11    | 0.95    | 0.41    | 0.92     |
| Acetone                  | 1.48    | 0.94    | 0.27    | 2.69    | 1.17    | 0.40    | 0.73    | 1.60     |
| Propionaldehyde          | 0.08    | 0.05    | 0.01    | 0.12    | 0.05    | 0.05    | ND      | 0.04     |
| Crotonaldehyde           | 0.05    | 0.002u  | ND      | 0.01    | 0.002u  | ND      | ND      | 0.003u   |
| Butyr/Isobutyraldehyde   | 0.10    | ND      | 0.02    | 0.14    | 0.15    | 0.07    | 0.05    | ND       |
| Benzaldehyde             | 0.07    | 0.04    | 0.01    | 0.07    | 0.04    | 0.05    | 0.01    | 0.06     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.03    | 0.04    | ND      | 0.04    | 0.02    | 0.01    | 0.002u  | 0.005    |
| Tolualdehydes            | 0.05    | 0.05    | ND      | 0.07    | 0.01    | 0.01    | ND      | 0.03     |
| Hexaldehyde              | 0.30    | 0.05    | 0.03    | 0.07    | 0.03    | 0.03    | 0.02    | 0.03     |
| 2,5-Dimethylbenzaldehyde | 0.01    | 0.002u  | ND      | 0.01    | 0.01    | 0.02    | ND      | 0.01     |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content.

# Azaleal, Florida (AZFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19763   | 19797   | 19845 D1 | 19846 D2 | 19893   | 19940   | 20001   | 20077   |
|--------------------------|---------|---------|----------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 4/1/01  | 4/7/01  | 4/13/01  | 4/13/01  | 4/19/01 | 4/25/01 | 5/1/01  | 5/7/01  |
| ANALYSIS DATE            | 5/7/01  | 5/8/01  | VOID     | VOID     | 5/16/01 | 5/18/01 | 5/18/01 | 5/18/01 |
| FILE NAME                | F1EG008 | F1EG018 | VOID     | VOID     | Q1EO032 | Q1EQ030 | Q1EQ042 | F1EQ020 |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.74    | 2.66    |          |          | 3.19    | 3.61    | 4.10    | 5.03    |
| Acetaldehyde             | 0.62    | 0.87    |          |          | 1.16    | 1.34    | 1.08    | 1.63    |
| Acetone                  | 1.35    | 0.67    |          |          | 2.18    | 1.18    | 0.90    | 1.55    |
| Propionaldehyde          | ND      | 0.04    |          |          | 0.03    | 0.09    | 0.04    | 0.08    |
| Crotonaldehyde           | ND      | ND      |          |          | 0.03    | 0.08    | ND      | 0.01    |
| Butyr/Isobutyraldehyde   | 0.10    | 0.13    |          |          | 0.02    | 0.11    | 0.05    | 0.14    |
| Benzaldehyde             | 0.02    | 0.04    |          |          | 0.10    | 0.12    | 0.07    | 0.09    |
| Isovaleraldehyde         | ND      | ND      |          |          | ND      | ND      | ND      | ND      |
| Valeraldehyde            | 0.02    | 0.03    |          |          | ND      | ND      | ND      | 0.08    |
| Tolualdehydes            | 0.004u  | 0.03    |          |          | 0.02    | 0.09    | ND      | 0.05    |
| Hexaldehyde              | 0.03    | 0.04    |          |          | 0.34    | 0.39    | 0.37    | 0.04    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.01    |          |          | ND      | ND      | ND      | 0.01    |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content.

# Azaleal, Florida (AZFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20140   | 20256   | 20358   | 20440   | 20540  | 20628   | 21123   | 21276   |
|--------------------------|---------|---------|---------|---------|--------|---------|---------|---------|
| SAMPLE DATE              | 5/13/01 | 5/19/01 | 5/25/01 | 5/31/01 | 6/6/01 | 6/12/01 | 6/24/01 | 6/30/01 |
| ANALYSIS DATE            | 7/26/01 | 6/14/01 | 6/16/01 | 6/21/01 | VOID   | VOID    | 7/24/01 | 7/24/01 |
| FILE NAME                | F1GZ013 | F1FN012 | F1FN066 | F1FT023 | VOID   | VOID    | Q1GW045 | Q1GW054 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv   | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 3.72    | 3.05    | 7.81    | 2.94    |        |         | 7.56    | 1.61    |
| Acetaldehyde             | 1.32    | 1.47    | 1.04    | 0.86    |        |         | 0.87    | ND      |
| Acetone                  | 0.82    | 1.13    | 0.71    | 0.53    |        |         | 0.13    | ND      |
| Propionaldehyde          | ND      | 0.07    | ND      | 0.11    |        |         | 0.05    | ND      |
| Crotonaldehyde           | ND      | ND      | 0.090   | ND      |        |         | 0.03    | ND      |
| Butyr/Isobutyraldehyde   | 0.05    | 0.09    | 0.12    | 0.07    |        |         | 0.06    | ND      |
| Benzaldehyde             | 0.06    | 0.07    | 1.32    | 0.05    |        |         | 0.51    | 0.01    |
| Isovaleraldehyde         | 0.08    | ND      | ND      | 0.04    |        |         | ND      | ND      |
| Valeraldehyde            | 0.02    | 0.02    | ND      | 0.04    |        |         | 0.009   | ND      |
| Tolualdehydes            | 0.03    | ND      | 0.10    | ND      |        |         | ND      | ND      |
| Hexaldehyde              | 0.05    | 0.03    | ND      | ND      |        |         | 0.20    | 0.16    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.04    | ND      | ND      |        |         | ND      | ND      |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content.

# Azaleal, Florida (AZFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21425   | 21556    | 21613    | 21718    | 21850    | 22020    | 22112   | 22328   |
|--------------------------|---------|----------|----------|----------|----------|----------|---------|---------|
| SAMPLE DATE              | 7/6/01  | 7/12/01  | 7/18/01  | 7/24/01  | 7/30/01  | 8/5/01   | 8/11/01 | 8/17/01 |
| ANALYSIS DATE            | 7/29/01 | 8/2/01   | 8/2/01   | 8/14/01  | 8/15/01  | 8/28/01  | 9/12/01 | VOID    |
| FILE NAME                | F1G#013 | *F1HA019 | *F1HA020 | *F1HN009 | *F1HN022 | *F1H~011 | Q1IL019 | VOID    |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 1.91    | 3.78     | 4.95     | 4.66     | 4.69     | 13.07    | 3.53    |         |
| Acetaldehyde             | 0.38    | ND       | 0.08     | 0.64     | 1.34     | 0.51     | 1.13    |         |
| Acetone                  | 0.74    | ND       | ND       | 0.09     | 0.24     | 0.05     | 0.33    |         |
| Propionaldehyde          | 0.03    | ND       | ND       | 0.03     | 0.15     | ND       | 0.14    |         |
| Crotonaldehyde           | ND      | ND       | ND       | 0.05     | ND       | 0.002u   | 0.18    |         |
| Butyr/Isobutyraldehyde   | 0.10    | 0.65     | 0.83     | 0.08     | 0.14     | 0.002u   | 0.12    |         |
| Benzaldehyde             | 0.02    | ND       | ND       | 0.12     | 0.13     | ND       | 0.05    |         |
| Isovaleraldehyde         | ND      | 0.002u   | ND       | 0.20     | 0.28     | ND       | ND      |         |
| Valeraldehyde            | 0.004u  | ND       | 0.006    | ND       | ND       | 0.004u   | 0.01    |         |
| Tolualdehydes            | 0.04    | 0.07     | ND       | 0.08     | 0.10     | 0.07     | 0.05    |         |
| Hexaldehyde              | 0.02    | 0.002u   | ND       | 0.03     | 0.05     | ND       | 0.28    |         |
| 2,5-Dimethylbenzaldehyde | ND      | ND       | 0.02     | 0.02     | ND       | 1.10     | 0.01    |         |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content.

# Azaleal, Florida (AZFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22377   | 22649    | 22826    | 22857    | 22933    | 23019    | 23171    | 23257   |
|--------------------------|---------|----------|----------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 8/23/01 | 9/4/01   | 9/10/01  | 9/16/01  | 9/19/01  | 9/22/01  | 9/28/01  | 10/4/01 |
| ANALYSIS DATE            | 9/29/01 | 10/17/01 | 10/19/01 | 10/23/01 | 10/23/01 | 10/27/01 | 10/27/01 | 11/1/01 |
| FILE NAME                | F1I~054 | Q1JQ016  | F1JS013  | F1JV012  | F1JV022  | F1JZ041  | F1JZ057  | F1KA011 |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    |
| Formaldehyde             | 4.89    | 3.38     | 4.38     | 5.17     | 4.90     | 4.66     | 4.65     | 5.01    |
| Acetaldehyde             | 1.23    | 2.08     | 1.57     | 2.07     | 2.12     | 1.78     | 1.84     | 1.88    |
| Acetone                  | 0.77    | 0.44     | 0.38     | 1.07     | 0.97     | 0.62     | 0.76     | 1.07    |
| Propionaldehyde          | 0.07    | 0.17     | 0.11     | 0.20     | 0.18     | 0.18     | 0.09     | 0.30    |
| Crotonaldehyde           | 0.25    | ND       | ND       | 0.004    | ND       | 0.005    | 0.03     | 0.01    |
| Butyr/Isobutyraldehyde   | 0.19    | 0.10     | 0.16     | 0.24     | 0.23     | 0.27     | 0.17     | 0.23    |
| Benzaldehyde             | 0.10    | 0.04     | 0.11     | 0.08     | 0.10     | 0.08     | 0.10     | 0.09    |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       | ND       | 0.01     | ND       | ND      |
| Valeraldehyde            | 0.05    | 0.03     | 0.04     | 0.06     | 0.05     | 0.05     | 0.04     | 0.05    |
| Tolualdehydes            | 0.06    | 0.05     | 0.06     | 0.07     | 0.07     | 0.08     | 0.06     | 0.06    |
| Hexaldehyde              | 0.02    | 0.23     | 0.03     | 0.06     | 0.04     | 0.06     | 0.02     | 0.04    |
| 2,5-Dimethylbenzaldehyde | ND      | ND       | ND       | ND       | ND       | ND       | 0.001u   | ND      |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content.

# Azaleal, Florida (AZFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23348    | 23430    | 23551    | 23710    | 23747    | 23839    | 23988    | 24013    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/10/01 | 10/16/01 | 10/22/01 | 10/28/01 | 10/31/01 | 11/6/01  | 11/14/01 | 11/15/01 |
| ANALYSIS DATE            | VOID     | 11/7/01  | 11/9/01  | 11/13/01 | 11/13/01 | 11/20/01 | 11/26/01 | 11/29/01 |
| FILE NAME                | F1KE074  | F1KH049  | F1KL031  | F1KL036  | F1KT008  | F1KZ014  | F1K!031  |          |
| UNITS                    | ppbv     |
| Formaldehyde             |          | 4.29     | 3.48     | 3.25     | 3.02     | 2.83     | 3.25     | 2.31     |
| Acetaldehyde             |          | 1.69     | 1.41     | 1.45     | 1.15     | 0.98     | 1.64     | 0.80     |
| Acetone                  |          | 1.24     | 0.89     | 1.40     | 0.57     | 0.43     | 1.65     | 0.78     |
| Propionaldehyde          |          | 0.15     | 0.12     | 0.09     | 0.17     | 0.10     | 0.20     | 0.10     |
| Crotonaldehyde           |          | 0.01     | 0.007    | 0.004    | 0.005    | 0.004    | 0.007    | 0.004    |
| Butyr/Isobutyraldehyde   |          | 0.26     | 0.24     | 0.19     | 0.18     | 0.15     | 0.19     | 0.14     |
| Benzaldehyde             |          | 0.09     | 0.07     | 0.02     | 0.07     | 0.05     | 0.10     | 0.04     |
| Isovaleraldehyde         |          | ND       |
| Valeraldehyde            |          | 0.03     | 0.04     | 0.02     | 0.03     | 0.03     | 0.03     | 0.02     |
| Tolualdehydes            |          | 0.05     | 0.04     | 0.04     | 0.05     | 0.04     | 0.05     | 0.06     |
| Hexaldehyde              |          | 0.03     | 0.04     | 0.02     | 0.02     | 0.03     | 0.04     | 0.02     |
| 2,5-Dimethylbenzaldehyde |          | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content.

# Azaleal, Florida (AZFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24175    | 24223    | 24409   | 24511   | 24517   | 24699    | 24704    | 24751    |
|--------------------------|----------|----------|---------|---------|---------|----------|----------|----------|
| SAMPLE DATE              | 11/21/01 | 11/27/01 | 12/4/01 | 12/6/01 | 12/9/01 | 12/12/01 | 12/15/01 | 12/19/01 |
| ANALYSIS DATE            | 12/6/01  | 12/11/01 | VOID    | 1/8/02  | 1/8/02  | 1/10/02  | 1/10/02  | 1/17/02  |
| FILE NAME                | F1LF016  | F1LK007  | VOID    | F2AG034 | F2AG039 | Q2AJ006  | Q2AJ011  | F2AQ009  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 3.11     | 3.62     |         | 2.51    | 2.35    | 4.83     | 4.20     | 2.77     |
| Acetaldehyde             | 1.64     | 1.36     |         | 0.91    | 0.82    | 1.63     | 1.47     | 1.29     |
| Acetone                  | 1.30     | 0.75     |         | 0.50    | 0.41    | 1.03     | 1.01     | 0.89     |
| Propionaldehyde          | 0.15     | 0.18     |         | 0.08    | 0.07    | 0.16     | 0.18     | 0.15     |
| Crotonaldehyde           | 0.007    | 0.006    |         | 0.006   | 0.002u  | 0.11     | 0.13     | 0.007    |
| Butyr/Isobutyraldehyde   | 0.15     | 0.16     |         | 0.08    | 0.09    | 0.12     | 0.09     | 0.15     |
| Benzaldehyde             | 0.06     | 0.05     |         | 0.06    | 0.03    | 0.06     | 0.06     | 0.05     |
| Isovaleraldehyde         | ND       | ND       |         | ND      | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.04     |         | 0.03    | 0.02    | ND       | 0.01     | 0.03     |
| Tolualdehydes            | 0.05     | 0.04     |         | 0.05    | 0.03    | 0.07     | 0.07     | 0.06     |
| Hexaldehyde              | 0.03     | 0.03     |         | 0.02    | 0.02    | 0.38     | 0.39     | 0.04     |
| 2,5-Dimethylbenzaldehyde | 0.05     | 0.02     |         | ND      | ND      | 0.01     | ND       | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content.

# Azaleal, Florida (AZFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24752    | 24753    | 24851    |
|--------------------------|----------|----------|----------|
| SAMPLE DATE              | 12/21/01 | 12/24/01 | 12/27/01 |
| ANALYSIS DATE            | 1/17/02  | 1/17/02  | 1/21/02  |
| FILE NAME                | F2AQ010  | F2AQ011  | F2AU011  |
| UNITS                    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 4.66     | 2.91     | 3.32     |
| Acetaldehyde             | 1.70     | 1.27     | 1.51     |
| Acetone                  | 2.55     | 1.28     | 1.83     |
| Propionaldehyde          | 0.24     | 0.15     | 0.18     |
| Crotonaldehyde           | 0.02     | 0.008    | 0.01     |
| Butyr/Isobutyraldehyde   | 0.21     | 0.16     | 0.16     |
| Benzaldehyde             | 0.09     | 0.04     | 0.04     |
| Isovaleraldehyde         | ND       | ND       | ND       |
| Valeraldehyde            | 0.04     | 0.02     | 0.03     |
| Tolualdehydes            | 0.07     | 0.06     | 0.08     |
| Hexaldehyde              | 0.03     | 0.03     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content.

# Azalea, Florida (AZFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1BH008  | Q1BM010  | Q1B~014  | F1DI011  | F1DP033  | F1D\$010 | Q1EO033  | F1EQ021  | F1FN030  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 19146 FB | 19197 FB | 19289 FB | 19450 FB | 19543 FB | 19721 FB | 19894 FB | 20076 FB | 20357 FB |
| Date Sampled             | 1/19/01  | 1/25/01  | 2/6/01   | 2/24/01  | 3/8/01   | 3/26/01  | 4/19/01  | 5/7/01   | 5/25/01  |
| Date Analyzed            | 2/8/01   | 2/13/01  | 2/27/01  | 4/10/01  | 4/17/01  | 4/30/01  | 5/16/01  | 5/18/01  | 6/15/01  |
| Formaldehyde             | 0.043    | 0.044    | 0.042    | 0.027    | 0.017    | 0.063    | 0.013    | 0.016    | 0.103    |
| Acetaldehyde             | 0.072    | 0.000    | 0.077    | 0.087    | 0.077    | 0.081    | 0.080    | 0.133    | 0.160    |
| Acetone                  | 0.109    | 0.222    | 0.124    | 0.077    | 0.078    | 0.102    | 0.078    | 0.147    | 0.252    |
| Propionaldehyde          | ND       | ND       | 0.002    | ND       | ND       | 0.001    | ND       | ND       | ND       |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | 0.006    | ND       | ND       | 0.003    | 0.018    | 0.007    | ND       | ND       | 0.072    |
| Benzaldehyde             | 0.009    | 0.018    | 0.014    | 0.010    | ND       | 0.001    | ND       | 0.007    | 0.026    |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.004    | ND       | ND       | 0.002    | ND       | ND       | ND       | 0.007    | 0.003    |
| Tolualdehydes            | ND       |
| Hexaldehyde              | 0.035    | 0.029    | ND       | 0.015    | 0.042    | 0.056    | 0.031    | 0.054    | 0.074    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | 0.020    | ND       | ND       | ND       | ND       |

# Azalea, Florida (AZFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1GW013  | Q1GW053  | F1HA015  | F1HN008  | Q1IL023  | Q1JQ017  | F1JZ040  | F1KE035  | F1KE073  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 20627 FB | 21275 FB | 21614 FB | 21717 FB | 22111 FB | 22648 FB | 23018 FB | 23347 FB | 23429 FB |
| Date Sampled             | 6/12/01  | 6/30/01  | 7/18/01  | 7/24/01  | 8/14/01  | 9/5/01   | 9/25/01  | 10/11/01 | 10/17/01 |
| Date Analyzed            | 7/23/01  | 7/24/01  | 8/1/01   | 8/14/01  | 9/13/01  | 10/17/01 | 10/27/01 | 11/6/01  | 11/7/01  |
| Formaldehyde             | 0.082    | 0.021    | 0.035    | 0.015    | 0.019    | 0.018    | 0.066    | 0.076    | 0.071    |
| Acetaldehyde             | 0.140    | 0.037    | 0.053    | 0.132    | 0.006    | 0.061    | 0.092    | 0.094    | 0.020    |
| Acetone                  | 0.252    | 0.143    | 0.137    | 0.094    | 0.096    | 0.200    | 0.263    | 0.253    | 0.254    |
| Propionaldehyde          | ND       | ND       | 0.002    | ND       | ND       | ND       | 0.007    | 0.013    | 0.004    |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | 0.039    | ND       | 0.088    | 0.013    | ND       | ND       | 0.162    | 0.192    | 0.311    |
| Benzaldehyde             | 0.010    | ND       | 0.017    | 0.014    | 0.032    | ND       | 0.011    | 0.013    | 0.014    |
| Isovaleraldehyde         | ND       | ND       | 0.017    | 0.006    | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | ND       | ND       | 0.005    | 0.005    | ND       | ND       | 0.014    | 0.015    | 0.009    |
| Tolualdehydes            | ND       | ND       | 0.058    | 0.087    | ND       | ND       | 0.057    | 0.040    | 0.050    |
| Hexaldehyde              | 0.076    | 0.058    | 0.014    | 0.022    | ND       | 0.027    | 0.023    | 0.019    | 0.024    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.078    | 0.002    | ND       | ND       | ND       | ND       | ND       |

# Azalea, Florida (AZFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1K!030  | F2AG040  | Q2AJ012  |
|--------------------------|----------|----------|----------|
| FB ID                    | 24012 FB | 24518 FB | 24705 FB |
| Date Sampled             | 11/16/01 | 12/11/01 | 12/18/01 |
| Date Analyzed            | 11/29/01 | 1/8/02   | 1/10/02  |
|                          |          |          |          |
| Formaldehyde             | 0.035    | 0.062    | 0.032    |
| Acetaldehyde             | 0.093    | 0.098    | 0.201    |
| Acetone                  | 0.190    | 0.225    | 0.213    |
| Propionaldehyde          | 0.005    | 0.003    | ND       |
| Crotonaldehyde           | ND       | ND       | ND       |
| Butyraldehyde            | 0.120    | 0.101    | ND       |
| Benzaldehyde             | 0.011    | 0.012    | ND       |
| Isovaleraldehyde         | ND       | ND       | ND       |
| Valeraldehyde            | 0.007    | 0.006    | ND       |
| Tolualdehydes            | 0.100    | 0.044    | ND       |
| Hexaldehyde              | 0.023    | 0.015    | 0.043    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       |

# Barceloneta, Puerto Rico (BAPR) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20417   | 20672   | 21026   | 21408   | 21646   | 21814   | 22076   | 22385    |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 5/31/01 | 6/12/01 | 6/24/01 | 7/6/01  | 7/18/01 | 7/30/01 | 8/11/01 | 8/23/01  |
| ANALYSIS DATE            | 6/19/01 | 6/22/01 | VOID    | 7/26/01 | VOID    | 8/12/01 | VOID    | 8/31/01  |
| FILE NAME                | Q1FR021 | Q1FU040 | VOID    | Q1GZ020 | VOID    | F1HK031 | VOID    | *Q1H%011 |
| UNITS                    | ppbv     |
| Formaldehyde             | 5.69    | 5.09    |         | 3.04    |         | 1.64    |         | 1.88     |
| Acetaldehyde             | 0.43    | 0.47    |         | 0.66    |         | 0.77    |         | 0.01     |
| Acetone                  | 0.86    | 1.07    |         | 0.79    |         | 0.21    |         | ND       |
| Propionaldehyde          | ND      | ND      |         | 0.01    |         | 0.05    |         | ND       |
| Crotonaldehyde           | ND      | ND      |         | ND      |         | ND      |         | ND       |
| Butyr/Isobutyraldehyde   | ND      | 0.53    |         | 0.01    |         | 0.06    |         | ND       |
| Benzaldehyde             | 0.03    | 0.02    |         | 0.01    |         | 0.03    |         | ND       |
| Isovaleraldehyde         | ND      | ND      |         | ND      |         | 0.02    |         | ND       |
| Valeraldehyde            | ND      | 0.001u  |         | ND      |         | 0.017   |         | ND       |
| Tolualdehydes            | ND      | 0.07    |         | 0.07    |         | 0.03    |         | 0.003    |
| Hexaldehyde              | 0.08    | 0.16    |         | 0.08    |         | 0.03    |         | 0.08     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      |         | ND      |         | 0.05    |         | ND       |

u - Concentration below detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Barceloneta, Puerto Rico (BAPR) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22834 D1 | 22836 D2 | 22986    | 23143    | 23320    | 23547    | 23762 D1 | 23764 D2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/16/01  | 9/16/01  | 9/24/01  | 9/28/01  | 10/10/01 | 10/22/01 | 11/3/01  | 11/3/01  |
| ANALYSIS DATE            | VOID     | VOID     | 10/26/01 | 10/27/01 | 11/5/01  | VOID     | 11/14/01 | VOID     |
| FILE NAME                | VOID     | VOID     | F1JZ025  | F1JZ044  | F1KE008  | VOID     | F1KL069  | VOID     |
| UNITS                    | ppbv     |
| Formaldehyde             |          |          | 2.86     | 3.59     | 2.20     |          | 2.20     |          |
| Acetaldehyde             |          |          | 1.17     | 1.80     | 1.12     |          | 0.97     |          |
| Acetone                  |          |          | 0.26     | 0.59     | 1.35     |          | 0.96     |          |
| Propionaldehyde          |          |          | 0.14     | 0.12     | 0.08     |          | 0.09     |          |
| Crotonaldehyde           |          |          | ND       | ND       | 0.004    |          | ND       |          |
| Butyr/Isobutyraldehyde   |          |          | 0.33     | 0.18     | 0.13     |          | 0.19     |          |
| Benzaldehyde             |          |          | 0.05     | 0.07     | 0.04     |          | 0.04     |          |
| Isovaleraldehyde         |          |          | ND       | ND       | ND       |          | ND       |          |
| Valeraldehyde            |          |          | 0.03     | 0.04     | 0.02     |          | 0.02     |          |
| Tolualdehydes            |          |          | 0.03     | 0.05     | 0.03     |          | 0.03     |          |
| Hexaldehyde              |          |          | 0.02     | 0.01     | 0.01     |          | 0.02     |          |
| 2,5-Dimethylbenzaldehyde |          |          | ND       | ND       | ND       |          | ND       |          |

u - Concentration below detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Barceloneta, Puerto Rico (BAPR) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24002    | 24099 D1 | 24101 D2 | 24119    | 24202    | 24354    | 24453   | 24791    |
|--------------------------|----------|----------|----------|----------|----------|----------|---------|----------|
| SAMPLE DATE              | 11/15/01 | 11/18/01 | 11/18/01 | 11/24/01 | 11/27/01 | 11/30/01 | 12/9/01 | 12/21/01 |
| ANALYSIS DATE            | 11/28/01 | 12/3/01  | VOID     | 12/7/01  | 12/11/01 | 12/12/01 | 1/8/02  | 1/18/02  |
| FILE NAME                | F1K!015  | F1LC017  | VOID     | F1LG008  | F1LK023  | Q1LL014  | F2AG046 | F2AR007  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     |
| Formaldehyde             | 2.12     | 2.15     |          | 1.94     | 1.64     | 2.47     | 2.40    | 1.79     |
| Acetaldehyde             | 0.87     | 0.85     |          | 0.86     | 0.78     | 0.98     | 0.96    | 0.94     |
| Acetone                  | 0.61     | 0.96     |          | 0.64     | 0.53     | 1.97     | 2.44    | 2.12     |
| Propionaldehyde          | 0.07     | 0.06     |          | 0.07     | 0.05     | 0.08     | 0.07    | 0.06     |
| Crotonaldehyde           | ND       | ND       |          | ND       | ND       | 0.06     | ND      | 0.005    |
| Butyr/Isobutyraldehyde   | 0.14     | 0.11     |          | 0.08     | 0.07     | 0.07     | 0.12    | 0.08     |
| Benzaldehyde             | 0.04     | 0.04     |          | 0.03     | 0.03     | 0.04     | 0.04    | 0.03     |
| Isovaleraldehyde         | ND       | ND       |          | ND       | ND       | ND       | ND      | 0.01     |
| Valeraldehyde            | 0.02     | 0.02     |          | 0.02     | 0.01     | 0.006    | 0.02    | 0.02     |
| Tolualdehydes            | 0.03     | 0.03     |          | 0.03     | 0.02     | 0.02     | 0.06    | 0.02     |
| Hexaldehyde              | 0.01     | 0.01     |          | 0.02     | 0.01     | 0.04     | 0.02    | 0.01     |
| 2,5-Dimethylbenzaldehyde | 0.01     | ND       |          | ND       | ND       | ND       | ND      | u        |

u - Concentration below detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Barceloneta, Puerto Rico (BAPR) 2001 UATMP Carbonyl Final Data Report

|                          |          |
|--------------------------|----------|
| SAMPLE #                 | 24783    |
| SAMPLE DATE              | 12/27/01 |
| ANALYSIS DATE            | 1/22/02  |
| FILE NAME                | F2AU032  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.63     |
| Acetaldehyde             | 1.06     |
| Acetone                  | 0.68     |
| Propionaldehyde          | 0.10     |
| Crotonaldehyde           | 0.004    |
| Butyr/Isobutyraldehyde   | 0.11     |
| Benzaldehyde             | 0.03     |
| Isovaleraldehyde         | 0.01     |
| Valeraldehyde            | 0.04     |
| Tolualdehydes            | 0.03     |
| Hexaldehyde              | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration below detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Barceloneta, Puerto Rico (BAPR) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1FU039  | VOID     | VOID     | VOID     | F1LK022  | F2AG045  |
|--------------------------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 20671 FB | 21645 FB | 22075 FB | 23546 FB | 24201 FB | 24452 FB |
| Sample Date              | 6/12/01  | 7/18/01  | 8/11/01  | 10/22/01 | 11/27/01 | 12/9/01  |
| Date Analyzed            | 6/22/01  | VOID     | VOID     | VOID     | 12/11/01 | 1/8/02   |
| Formaldehyde             | 0.074    |          |          |          | 0.050    | 0.057    |
| Acetaldehyde             | 0.072    |          |          |          | 0.041    | 0.043    |
| Acetone                  | 0.221    |          |          |          | 0.231    | 0.296    |
| Propionaldehyde          | ND       |          |          |          | ND       | ND       |
| Crotonaldehyde           | ND       |          |          |          | ND       | ND       |
| Butyraldehyde            | ND       |          |          |          | 0.071    | 0.117    |
| Benzaldehyde             | 0.002    |          |          |          | 0.009    | 0.014    |
| Isovaleraldehyde         | ND       |          |          |          | ND       | ND       |
| Valeraldehyde            | ND       |          |          |          | ND       | ND       |
| Tolualdehydes            | 0.320    |          |          |          | 0.020    | 0.010    |
| Hexaldehyde              | 0.152    |          |          |          | 0.012    | 0.016    |
| 2,5-Dimethylbenzaldehyde | ND       |          |          |          | ND       | ND       |

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19013 D1 | 19013 R1 | 19015 D2 | 19015 R2 | 19052  | 19097   | 19160   | 19163   | 19227   |
|--------------------------|----------|----------|----------|----------|--------|---------|---------|---------|---------|
| SAMPLE DATE              | 1/1/01   | 1/1/01   | 1/1/01   | 1/1/01   | 1/7/01 | 1/13/01 | 1/19/01 | 1/25/01 | 1/31/01 |
| ANALYSIS DATE            | 2/1/01   | 2/1/01   | 2/1/01   | 2/1/01   | VOID   | 2/7/01  | 2/9/01  | 2/9/01  | 2/13/01 |
| FILE NAME                | Q1A%027  | Q1A%028  | Q1A%029  | Q1A%030  | VOID   | Q1BF016 | Q1BH014 | Q1BH020 | Q1BM013 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv   | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 0.80     | 0.80     | 0.79     | 0.81     |        | 0.80    | 0.51    | 0.69    | 0.38    |
| Acetaldehyde             | 0.40     | 0.40     | 0.42     | 0.43     |        | 0.65    | 0.35    | 0.41    | 0.26    |
| Acetone                  | 0.77     | 0.78     | 0.78     | 0.78     |        | 1.18    | 0.65    | 1.11    | 0.65    |
| Propionaldehyde          | 0.06     | 0.06     | 0.06     | 0.05     |        | 0.08    | 0.04    | 0.05    | 0.03    |
| Crotonaldehyde           | 0.02     | 0.01     | 0.02     | 0.02     |        | ND      | ND      | 0.01    | ND      |
| Butyr/I sobutyraldehyde  | 0.03     | 0.03     | 0.03     | 0.03     |        | 0.05    | 0.02    | 0.03    | 0.01    |
| Benzaldehyde             | 0.01     | 0.01     | 0.01     | 0.01     |        | 0.01    | 0.01    | 0.01    | 0.01    |
| Isovaleraldehyde         | ND       | ND       | 0.001u   | ND       |        | ND      | ND      | ND      | ND      |
| Valeraldehyde            | 0.01     | 0.02     | 0.01     | 0.02     |        | 0.01    | 0.002u  | 0.01    | 0.005   |
| Tolualdehydes            | 0.01     | 0.01     | 0.01     | 0.02     |        | 0.02    | ND      | ND      | ND      |
| Hexaldehyde              | 0.04     | 0.05     | 0.04     | 0.04     |        | 0.06    | 0.07    | 0.09    | 0.06    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       |        | ND      | ND      | ND      | ND      |

u - Concentration is below detection limit.

1 of 10

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19280   | 19342 D1 | 19342 R1 | 19344 D2 | 19344 R2 | 19393 D1 | 19393 R1 | 19395 D2 | 19395 R2 |
|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 2/6/01  | 2/12/01  | 2/12/01  | 2/12/01  | 2/12/01  | 2/18/01  | 2/18/01  | 2/18/01  | 2/18/01  |
| ANALYSIS DATE            | 2/14/01 | 2/28/01  | 2/28/01  | 3/1/01   | 3/1/01   | 3/13/01  | 3/13/01  | 3/13/01  | 3/13/01  |
| FILE NAME                | Q1BM033 | Q1B!013  | Q1B!014  | Q1B!015  | Q1B!016  | Q1CL022  | Q1CL023  | Q1CL024  | Q1CL025  |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 0.46    | 2.11     | 2.12     | 0.52     | 0.52     | 0.72     | 0.69     | 0.65     | 0.66     |
| Acetaldehyde             | 0.27    | 1.70     | 1.70     | 0.46     | 0.46     | 0.44     | 0.43     | 0.42     | 0.42     |
| Acetone                  | 0.66    | 2.47     | 2.46     | 1.02     | 1.04     | 1.41     | 1.40     | 1.36     | 1.37     |
| Propionaldehyde          | 0.03    | 0.09     | 0.09     | 0.05     | 0.06     | 0.05     | 0.05     | 0.04     | 0.04     |
| Crotonaldehyde           | ND      | 0.03     | 0.03     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.02    | 0.06     | 0.06     | 0.02     | 0.03     | 0.02     | 0.02     | 0.02     | 0.02     |
| Benzaldehyde             | 0.01    | 0.06     | 0.06     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     |
| Isovaleraldehyde         | 0.01    | ND       |
| Valeraldehyde            | 0.01    | ND       |
| Tolualdehydes            | 0.03    | 0.06     | 0.03     | 0.02     | ND       | 0.004    | 0.004    | 0.005    | 0.01     |
| Hexaldehyde              | 0.07    | ND       |
| 2,5-Dimethylbenzaldehyde | ND      | 0.04     | 0.03     | ND       | ND       | ND       | ND       | ND       | ND       |

u - Concentration is below detection limit.

2 of 10

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19441   | 19459   | 19534   | 19578   | 19605   | 19704    | 19750    | 19796   | 19833   |
|--------------------------|---------|---------|---------|---------|---------|----------|----------|---------|---------|
| SAMPLE DATE              | 2/24/01 | 3/2/01  | 3/8/01  | 3/14/01 | 3/20/01 | 3/26/01  | 4/1/01   | 4/7/01  | 4/13/01 |
| ANALYSIS DATE            | 4/11/01 | 4/11/01 | 4/12/01 | 4/19/01 | 4/20/01 | 5/1/01   | 5/1/01   | 5/8/01  | 5/8/01  |
| FILE NAME                | F1DI026 | F1DI036 | F1DI052 | F1DS008 | F1DS023 | F1D\$021 | F1D\$041 | F1EG021 | F1EG028 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 0.71    | 0.86    | 0.71    | 0.51    | 0.53    | 0.93     | 0.87     | 0.70    | 0.55    |
| Acetaldehyde             | 0.41    | 0.48    | 0.52    | 0.36    | 0.38    | 0.41     | 0.41     | 0.40    | 0.32    |
| Acetone                  | 1.06    | 1.38    | 1.61    | 0.95    | 1.11    | 1.00     | 1.16     | 1.55    | 1.36    |
| Propionaldehyde          | 0.03    | 0.03    | 0.03    | 0.01    | 0.02    | 0.03     | 0.03     | ND      | 0.02    |
| Crotonaldehyde           | 0.001u  | ND      | ND      | ND      | ND      | ND       | ND       | ND      | ND      |
| Butyr/Isobutyraldehyde   | 0.08    | 0.07    | 0.09    | 0.04    | 0.05    | 0.06     | 0.06     | 0.04    | 0.05    |
| Benzaldehyde             | 0.01    | 0.02    | 0.01    | 0.01    | 0.01    | 0.003    | 0.01     | 0.005   | 0.01    |
| Isovaleraldehyde         | ND      | ND      | ND      | ND      | ND      | ND       | ND       | ND      | ND      |
| Valeraldehyde            | 0.01    | 0.01    | 0.01    | 0.01    | 0.01    | 0.01     | 0.01     | 0.01    | 0.01    |
| Tolualdehydes            | ND      | 0.01    | 0.001u  | 0.0002u | 0.01    | ND       | 0.001u   | 0.004u  | 0.0004u |
| Hexaldehyde              | 0.03    | 0.03    | 0.03    | 0.04    | 0.04    | 0.03     | 0.05     | 0.03    | 0.02    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | ND      | ND      | ND       | 0.01     | ND      | ND      |

u - Concentration is below detection limit.

3 of 10

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19885   | 19955   | 20000  | 20066   | 20149 D1 | 20149 R1 | 20151 D2 | 20151 R2 | 20294 D1 |
|--------------------------|---------|---------|--------|---------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 4/19/01 | 4/25/01 | 5/1/01 | 5/7/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/19/01  |
| ANALYSIS DATE            | 5/17/01 | 5/18/01 | VOID   | 5/30/01 | 5/30/01  | 5/30/01  | 5/30/01  | 5/30/01  | 6/8/01   |
| FILE NAME                | Q1EQ006 | Q1EQ028 | VOID   | Q1E#017 | Q1E#032  | Q1E#033  | Q1E#035  | Q1E#036  | Q1FG024  |
| UNITS                    | ppbv    | ppbv    | ppbv   | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.66    | 1.99    |        | 0.82    | 2.79     | 3.03     | 3.02     | 2.90     | 1.93     |
| Acetaldehyde             | 0.70    | 0.79    |        | 0.28    | 0.91     | 1.02     | 0.91     | 0.88     | 0.70     |
| Acetone                  | 2.52    | 2.65    |        | 1.11    | 2.07     | 2.18     | 2.05     | 1.98     | 2.94     |
| Propionaldehyde          | 0.01    | 0.02    |        | 0.01    | 0.04     | 0.03     | 0.06     | 0.02     | ND       |
| Crotonaldehyde           | 0.03    | 0.02    |        | ND      | ND       | ND       | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.02    | 0.03    |        | 0.01    | 0.04     | 0.03     | 0.09     | 0.07     | 0.01     |
| Benzaldehyde             | 0.02    | 0.01    |        | 0.001u  | 0.02     | 0.04     | 0.07     | 0.05     | 0.03     |
| Isovaleraldehyde         | ND      | ND      |        | ND      | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | ND      | 0.02    |        | ND      | ND       | 0.01     | 0.005    | ND       | ND       |
| Tolualdehydes            | 0.01    | 0.07    |        | ND      | 0.04     | 0.18     | 0.09     | 0.04     | 0.15     |
| Hexaldehyde              | 0.17    | 0.18    |        | ND      | 1.91     | 0.35     | 0.35     | 0.32     | 0.32     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      |        | ND      | 0.02     | ND       | 0.04     | ND       |          |

u - Concentration is below detection limit.

4 of 10

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20294 R1 | 20296 D2 | 20296 R2 | 20369   | 20482   | 20547   | 20797   | 20956   | 21082   |
|--------------------------|----------|----------|----------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/19/01  | 5/19/01  | 5/19/01  | 5/25/01 | 5/31/01 | 6/6/01  | 6/12/01 | 6/18/01 | 6/24/01 |
| ANALYSIS DATE            | 6/8/01   | 6/8/01   | 6/8/01   | 6/11/01 | 6/18/01 | 6/21/01 | 7/11/01 | 6/28/01 | VOID    |
| FILE NAME                | Q1FG025  | Q1FG026  | Q1FG027  | Q1FK005 | Q1FR014 | Q1FU013 | Q1GK008 | Q1F!019 | VOID    |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.82     | 1.89     | 1.79     | 1.61    | 2.04    | 1.44    | 1.35    | 1.02    |         |
| Acetaldehyde             | 0.72     | 0.70     | 0.66     | 0.67    | 0.60    | 0.55    | 0.39    | 0.45    |         |
| Acetone                  | 2.86     | 2.68     | 2.55     | 2.64    | 2.40    | 2.00    | 1.30    | 1.41    |         |
| Propionaldehyde          | 0.01     | ND       | 0.02     | 0.03    | 0.02    | ND      | ND      | 0.01    |         |
| Crotonaldehyde           | ND       | ND       | ND       | ND      | ND      | ND      | ND      | ND      |         |
| Butyr/Isobutyraldehyde   | ND       | ND       | ND       | 0.02    | ND      | ND      | ND      | ND      |         |
| Benzaldehyde             | 0.02     | 0.04     | 0.02     | 0.01    | 0.02    | 0.02    | 0.02    | 0.02    |         |
| Isovaleraldehyde         | ND       | ND       | ND       | ND      | ND      | ND      | ND      | ND      |         |
| Valeraldehyde            | ND       | ND       | ND       | ND      | ND      | ND      | ND      | 0.01    |         |
| Tolualdehydes            | 0.21     | 0.02     | 0.05     | 0.02    | 0.01    | 0.03    | 0.02    | 0.01    |         |
| Hexaldehyde              | 0.28     | 0.27     | 0.26     | 0.17    | 0.22    | 0.18    | 0.17    | 0.18    |         |
| 2,5-Dimethylbenzaldehyde | ND       | 0.04     | ND       | 0.003u  | ND      | ND      | ND      | ND      |         |

u - Concentration is below detection limit.

5 of 10

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21248   | 21412   | 21574   | 21677   | 21805   | 21924   | 22015   | 22134   | 22243 D1 |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 6/30/01 | 7/6/01  | 7/12/01 | 7/18/01 | 7/24/01 | 7/30/01 | 8/5/01  | 8/11/01 | 8/17/01  |
| ANALYSIS DATE            | 7/20/01 | 7/26/01 | 7/31/01 | 8/11/01 | 8/21/01 | 8/21/01 | 8/22/01 | 8/28/01 | 8/31/01  |
| FILE NAME                | Q1GT009 | Q1GZ022 | Q1G%006 | F1HK016 | F1HU009 | F1HU011 | Q1HV010 | Q1H~022 | Q1H%021  |
| UNITS                    | ppbv     |
| Formaldehyde             | 0.82    | 2.11    | 2.62    | 1.55    | 1.07    | 1.48    | 1.78    | 2.00    | 1.42     |
| Acetaldehyde             | 0.34    | 0.63    | 0.84    | 0.52    | 0.46    | 0.68    | 0.71    | 0.98    | 0.79     |
| Acetone                  | ND      | 1.65    | 1.36    | 1.16    | 1.00    | 1.25    | 0.62    | 2.64    | 1.89     |
| Propionaldehyde          | ND      | ND      | 0.04    | 0.08    | 0.04    | 0.01    | 0.06    | 0.05    | 0.06     |
| Crotonaldehyde           | ND      | ND      | 0.19    | 0.01    | 0.003   | 0.003   | ND      | 0.06    | 0.07     |
| Butyr/Isobutyraldehyde   | 0.004u  | ND      | 0.09    | 0.03    | 0.07    | 0.07    | 0.02    | 0.14    | 0.04     |
| Benzaldehyde             | 0.01    | 0.01    | 0.04    | 0.02    | 0.02    | 0.03    | 0.07    | 0.008   | 0.01     |
| Isovaleraldehyde         | ND      | ND      | ND      | ND      | 0.07    | 0.10    | 0.003u  | ND      | ND       |
| Valeraldehyde            | ND      | ND      | 0.03    | 0.01    | 0.01    | 0.02    | 0.01    | ND      | ND       |
| Tolualdehydes            | ND      | 0.08    | 0.05    | 0.05    | 0.03    | 0.04    | 0.02    | 0.02    | 0.03     |
| Hexaldehyde              | 0.16    | 0.41    | 0.44    | 0.01    | 0.02    | 0.03    | 0.32    | 0.35    | 0.44     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | 0.04    | ND      | ND      | ND      | ND      | 0.01    | ND       |

u - Concentration is below detection limit.

6 of 10

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22243 R1 | 22245 D2 | 22245 R2 | 22376   | 22539   | 22667   | 22720   | 22901 D1 | 22901 R1 |
|--------------------------|----------|----------|----------|---------|---------|---------|---------|----------|----------|
| SAMPLE DATE              | 8/17/01  | 8/17/01  | 8/17/01  | 8/23/01 | 8/29/01 | 9/4/01  | 9/10/01 | 9/16/01  | 9/16/01  |
| ANALYSIS DATE            | 8/31/01  | 9/1/01   | 9/1/01   | 8/31/01 | 9/28/01 | 9/27/01 | 9/27/01 | 10/24/01 | 10/24/01 |
| FILE NAME                | Q1H%022  | Q1H%023  | Q1H%024  | Q1H%009 | F1I~043 | Q1IZ040 | Q1IZ051 | Q1JX010  | Q1JX011  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 1.38     | 1.42     | 1.49     | 3.18    | 1.50    | 2.00    | 0.87    | 0.98     | 0.95     |
| Acetaldehyde             | 0.76     | 0.77     | 0.81     | 0.67    | 0.66    | 1.01    | 0.40    | 0.40     | 0.39     |
| Acetone                  | 1.86     | 1.31     | 1.40     | 0.66    | 1.41    | 1.89    | 1.27    | 1.41     | 1.42     |
| Propionaldehyde          | 0.06     | 0.04     | 0.06     | 0.06    | ND      | 0.06    | 0.03    | 0.004    | 0.02     |
| Crotonaldehyde           | 0.07     | 0.06     | 0.06     | ND      | 0.01    | 0.07    | 0.01    | 0.01     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.02     | 0.02     | 0.02     | 0.01    | 0.10    | 0.03    | 0.02    | 0.01     | 0.01     |
| Benzaldehyde             | 0.03     | 0.04     | 0.04     | 0.02    | 0.05    | 0.03    | 0.02    | 0.01     | 0.01     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND      | ND      | ND      | ND      | ND       | ND       |
| Valeraldehyde            | ND       | 0.011    | 0.01     | ND      | 0.04    | 0.02    | ND      | ND       | ND       |
| Tolualdehydes            | 0.02     | 0.01     | 0.02     | 0.08    | 0.04    | 0.07    | 0.03    | 0.02     | 0.01     |
| Hexaldehyde              | 0.41     | 0.39     | 0.44     | 0.31    | 0.03    | 0.37    | 0.15    | 0.14     | 0.13     |
| 2,5-Dimethylbenzaldehyde | ND       | 0.02     | 0.0001u  | 0.01    | ND      | 0.0005u | ND      | ND       | ND       |

u - Concentration is below detection limit.

7 of 10

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22903 D2 | 22903 R2 | 23074    | 23192    | 23278   | 23354    | 23460    | 23628    | 23672    |
|--------------------------|----------|----------|----------|----------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/16/01  | 9/16/01  | 9/22/01  | 9/28/01  | 10/4/01 | 10/10/01 | 10/16/01 | 10/22/01 | 10/28/01 |
| ANALYSIS DATE            | 10/24/01 | 10/24/01 | 10/19/01 | 10/25/01 | 11/8/01 | 11/2/01  | 11/6/01  | 11/9/01  | 11/12/01 |
| FILE NAME                | Q1JX012  | Q1JX013  | Q1JS017  | Q1JX039  | F1KH013 | F1KB005  | F1KE050  | F1KH036  | F1KL009  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 0.89     | 0.98     | 0.95     | 1.93     | 0.80    | 0.98     | 0.75     | 0.90     | 0.84     |
| Acetaldehyde             | 0.39     | 0.42     | 0.43     | 0.72     | 0.41    | 0.53     | 0.52     | 0.53     | 0.42     |
| Acetone                  | 1.32     | 1.44     | 1.45     | 2.63     | 1.32    | 1.79     | 1.33     | 1.57     | 1.18     |
| Propionaldehyde          | 0.01     | 0.02     | 0.04     | ND       | 0.04    | 0.05     | 0.04     | 0.04     | 0.03     |
| Crotonaldehyde           | 0.01     | 0.01     | 0.02     | 0.02     | ND      | 0.005    | ND       | ND       | 0.01     |
| Butyr/Isobutyraldehyde   | 0.02     | 0.02     | 0.02     | 0.07     | 0.14    | 0.21     | 0.17     | 0.14     | 0.09     |
| Benzaldehyde             | 0.01     | 0.01     | 0.04     | 0.02     | 0.02    | 0.021    | 0.01     | 0.01     | 0.01     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       |
| Valeraldehyde            | ND       | ND       | ND       | ND       | 0.02    | 0.02     | 0.02     | 0.02     | 0.02     |
| Tolualdehydes            | 0.003    | 0.004    | 0.004    | 0.03     | 0.03    | 0.02     | 0.04     | 0.02     | 0.02     |
| Hexaldehyde              | 0.10     | 0.11     | 0.14     | 0.24     | 0.03    | 0.03     | 0.02     | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       |

u - Concentration is below detection limit.

8 of 10

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23876    | 23898    | 23994    | 24084    | 24095    | 24113    | 24242    | 24308    | 24418   |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 11/3/01  | 11/9/01  | 11/15/01 | 11/18/01 | 11/21/01 | 11/24/01 | 11/27/01 | 11/30/01 | 12/3/01 |
| ANALYSIS DATE            | 11/14/01 | 11/26/01 | 11/28/01 | 12/3/01  | 12/3/01  | 12/7/01  | 12/12/01 | 12/12/01 | 1/7/02  |
| FILE NAME                | F1KL054  | F1KZ017  | F1K!011  | F1LC010  | F1LC015  | F1LG006  | F1LK030  | Q1LL007  | F2AG010 |
| UNITS                    | ppbv     | ppbv    |
| Formaldehyde             | 0.83     | 0.80     | 1.12     | 0.48     | 1.34     | 0.43     | 0.24     | 0.49     | 0.66    |
| Acetaldehyde             | 0.47     | 0.48     | 0.60     | 0.32     | 0.75     | 0.30     | 0.17     | 0.33     | 0.37    |
| Acetone                  | 1.36     | 1.36     | 1.56     | 0.70     | 1.46     | 0.78     | 0.64     | 0.83     | 1.04    |
| Propionaldehyde          | 0.04     | 0.04     | 0.05     | 0.03     | 0.08     | 0.03     | 0.01     | 0.03     | 0.04    |
| Crotonaldehyde           | 0.01     | 0.004    | 0.005    | ND       | 0.007    | 0.007    | ND       | 0.004    | 0.003   |
| Butyr/Isobutyraldehyde   | 0.11     | 0.09     | 0.08     | 0.08     | 0.11     | 0.06     | 0.05     | ND       | 0.07    |
| Benzaldehyde             | 0.01     | 0.01     | 0.02     | 0.01     | 0.02     | 0.01     | 0.005    | ND       | 0.010   |
| Isovaleraldehyde         | ND       | ND      |
| Valeraldehyde            | 0.02     | 0.01     | 0.02     | 0.01     | 0.03     | 0.01     | 0.004    | ND       | 0.01    |
| Tolualdehydes            | 0.04     | 0.03     | 0.03     | 0.02     | 0.03     | 0.02     | 0.01     | ND       | 0.01    |
| Hexaldehyde              | 0.02     | 0.02     | 0.03     | 0.01     | 0.02     | 0.02     | 0.02     | 0.06     | 0.02    |
| 2,5-Dimethylbenzaldehyde | ND       | ND      |

u - Concentration is below detection limit.

9 of 10

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24527   | 24671    | 24773    | 24913    |
|--------------------------|---------|----------|----------|----------|
| SAMPLE DATE              | 12/9/01 | 12/15/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/14/02 | 1/17/02  | 1/17/02  | 1/22/02  |
| FILE NAME                | F2AN011 | Q2AQ009  | F2AQ020  | F2AU024  |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 0.59    | 0.86     | 0.53     | 0.41     |
| Acetaldehyde             | 0.32    | 0.47     | 0.37     | 0.25     |
| Acetone                  | 1.13    | 1.16     | 0.87     | 0.71     |
| Propionaldehyde          | 0.04    | 0.05     | 0.06     | 0.03     |
| Crotonaldehyde           | 0.003   | 0.014    | 0.003    | 0.003    |
| Butyr/Isobutyraldehyde   | 0.05    | 0.03     | 0.08     | 0.05     |
| Benzaldehyde             | 0.008   | 0.008    | 0.010    | 0.006    |
| Isovaleraldehyde         | 0.03    | ND       | 0.04     | ND       |
| Valeraldehyde            | 0.01    | 0.01     | 0.01     | 0.01     |
| Tolualdehydes            | 0.02    | ND       | 0.01     | 0.01     |
| Hexaldehyde              | 0.03    | 0.10     | 0.03     | 0.02     |
| 2,5-Dimethylbenzaldehyde | 0.002u  | ND       | 0.004u   | ND       |

u - Concentration is below detection limit.

10 of 10

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1BH015  | Q1BM014  | Q1BM034  | F1DI027  | F1DI053  | F1D\$022 | F1EG029  | Q1EQ007  | Q1E#018  | Q1FK006  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 19161 FB | 19228 FB | 19281 FB | 19442 FB | 19535 FB | 19705 FB | 19834 FB | 19886 FB | 20065 FB | 20368 FB |
| Sample Date              | 1/19/01  | 1/25/01  | 2/6/01   | 2/24/01  | 3/8/01   | 3/26/01  | 4/13/01  | 4/19/01  | 5/7/01   | 5/25/01  |
| Date Analyzed            | 2/9/01   | 2/14/01  | 2/14/01  | 4/11/01  | 4/12/01  | 5/1/01   | 5/8/01   | 5/17/01  | 5/30/01  | 6/11/01  |
| Formaldehyde             | 0.031    | 0.028    | 0.027    | 0.021    | 0.012    | 0.117    | 0.021    | 0.019    | 0.030    | 0.067    |
| Acetaldehyde             | 0.076    | 0.067    | 0.069    | 0.090    | 0.117    | 0.095    | 0.075    | 0.014    | 0.047    | 0.067    |
| Acetone                  | 0.093    | 0.178    | 0.098    | 0.104    | 0.110    | 0.123    | 0.090    | 0.113    | 0.114    | 0.193    |
| Propionaldehyde          | ND       | ND       | ND       | 0.000    | 0.001    | 0.004    | ND       | ND       | ND       | ND       |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | ND       | ND       | ND       | 0.011    | 0.008    | 0.009    | ND       | ND       | ND       | ND       |
| Benzaldehyde             | 0.015    | 0.008    | 0.010    | 0.009    | 0.005    | 0.008    | 0.002    | ND       | ND       | 0.017    |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | ND       | ND       | ND       | 0.000    | 0.003    | 0.004    | 0.001    | ND       | ND       | ND       |
| Tolualdehydes            | ND       | 0.022    |
| Hexaldehyde              | 0.036    | 0.034    | 0.076    | 0.019    | 0.024    | 0.043    | 0.037    | 0.018    | ND       | 0.030    |
| 2,5-Dimethylbenzaldehyde | ND       | 0.004    | ND       | ND       | ND       | 0.005    | ND       | ND       | ND       | ND       |

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1GK007  | Q1GT008  | F1HK015  | F1HU008  | Q1H~021  | F1I~042  | Q1IZ039  | Q1JS016  | F1KH012  | F1KH035  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 20796 FB | 21247 FB | 21676 FB | 21804 FB | 22133 FB | 22538 FB | 22666 FB | 23073 FB | 23277 FB | 23627 FB |
| Sample Date              | 6/12/01  | 6/30/01  | 7/18/01  | 7/24/01  | 8/11/01  | 8/29/01  | 9/4/01   | 9/22/01  | 10/4/01  | 10/22/01 |
| Date Analyzed            | 7/11/01  | 7/20/01  | 8/11/01  | 8/21/01  | 8/28/01  | 9/28/01  | 9/27/01  | 10/19/01 | 11/8/01  | 11/9/01  |
| Formaldehyde             | 0.027    | 0.025    | 0.048    | 0.049    | 0.051    | 0.019    | 0.020    | 0.050    | 0.077    | 0.040    |
| Acetaldehyde             | 0.062    | 0.000    | 0.083    | 0.072    | 0.072    | 0.058    | 0.075    | 0.022    | 0.098    | 0.040    |
| Acetone                  | 0.198    | 0.000    | ND       | 0.149    | 0.159    | 0.288    | 0.297    | 0.317    | ND       | 0.223    |
| Propionaldehyde          | ND       | 0.009    | 0.006    |
| Crotonaldehyde           | ND       | ND       | 0.019    | 0.009    | ND       | ND       | ND       | ND       | ND       | ND       |
| Butyraldehyde            | ND       | 0.042    | 0.017    | 0.028    | ND       | 0.080    | ND       | ND       | 0.285    | 0.198    |
| Benzaldehyde             | ND       | ND       | 0.016    | ND       | ND       | 0.012    | ND       | 0.025    | 0.015    | 0.021    |
| Isovaleraldehyde         | ND       | ND       | ND       | 0.010    | ND       | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | ND       | ND       | 0.001    | 0.009    | ND       | 0.007    | ND       | ND       | 0.008    | ND       |
| Tolualdehydes            | ND       | ND       | ND       | 0.095    | 0.004    | 0.029    | 0.044    | 0.008    | 0.054    | 0.063    |
| Hexaldehyde              | ND       | 0.052    | ND       | 0.016    | 0.029    | 0.026    | 0.026    | 0.045    | 0.023    | 0.019    |
| 2,5-Dimethylbenzaldehyde | ND       |

# Beulah, North Dakota (BUND) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1K!010  | F1LK029  | F2AN010  | Q2AQ008  |
|--------------------------|----------|----------|----------|----------|
| FB ID                    | 23993 FB | 24241 FB | 24526 FB | 24670 FB |
| Sample Date              | 11/15/01 | 11/27/01 | 12/9/01  | 12/15/01 |
| Date Analyzed            | 11/28/01 | 12/12/01 | 1/14/02  | 1/17/02  |
|                          |          |          |          |          |
| Formaldehyde             | 0.044    | 0.048    | 0.038    | 0.024    |
| Acetaldehyde             | 0.054    | 0.057    | 0.047    | 0.013    |
| Acetone                  | 0.170    | 0.207    | 0.278    | 0.264    |
| Propionaldehyde          | ND       | ND       | ND       | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       |
| Butyraldehyde            | 0.068    | 0.087    | 0.036    | ND       |
| Benzaldehyde             | 0.016    | 0.012    | 0.009    | ND       |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.007    | 0.009    | ND       | ND       |
| Tolualdehydes            | 0.109    | 0.006    | 0.015    | ND       |
| Hexaldehyde              | 0.018    | 0.014    | 0.020    | 0.055    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       |

# Camden, New Jersey (CANJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19144   | 19212   | 19313 D1 | 19313 R1 | 19315 D2 | 19315 R2 | 19433   | 19524   |
|--------------------------|---------|---------|----------|----------|----------|----------|---------|---------|
| SAMPLE DATE              | 1/19/01 | 1/31/01 | 2/12/01  | 2/12/01  | 2/12/01  | 2/12/01  | 2/24/01 | 3/8/01  |
| ANALYSIS DATE            | 2/8/01  | 2/14/01 | 3/1/01   | 3/1/01   | 3/1/01   | 3/1/01   | 4/11/01 | 4/12/01 |
| FILE NAME                | Q1BH006 | Q1BM015 | Q1B!026  | Q1B!027  | Q1B!028  | Q1B!029  | F1DI021 | F1DI041 |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 1.63    | 1.89    | 1.01     | 1.00     | 1.21     | 1.23     | 1.35    | 6.78    |
| Acetaldehyde             | 1.09    | 1.01    | 0.59     | 0.60     | 0.66     | 0.66     | 0.73    | 1.75    |
| Acetone                  | 2.03    | 2.50    | 0.86     | 0.86     | 0.94     | 0.96     | 1.25    | 4.81    |
| Propionaldehyde          | 0.13    | 0.11    | 0.06     | 0.06     | 0.07     | 0.11     | 0.06    | 0.07    |
| Crotonaldehyde           | 0.04    | 0.05    | 0.03     | 0.02     | 0.02     | 0.03     | 0.002   | 0.01    |
| Butyr/Isobutyraldehyde   | 0.08    | 0.08    | 0.05     | 0.04     | 0.03     | 0.03     | 0.08    | 0.17    |
| Benzaldehyde             | 0.04    | 0.06    | 0.02     | 0.02     | 0.02     | 0.02     | 0.03    | 0.12    |
| Isovaleraldehyde         | 0.01    | ND      | ND       | ND       | ND       | ND       | ND      | ND      |
| Valeraldehyde            | 0.02    | 0.02    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01    | 0.05    |
| Tolualdehydes            | 0.06    | 0.05    | 0.02     | 0.02     | 0.03     | 0.03     | 0.02    | 0.04    |
| Hexaldehyde              | 0.11    | 0.10    | 0.10     | 0.11     | 0.08     | 0.11     | 0.02    | 0.12    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.02    | 0.02     | 0.01     | 0.005    | 0.004    | ND      | 0.01    |

u - Concentration below detection limit

\* - Compound diluted 2X.

\*\* - Values low due to moisture in cartridge.

# Camden, New Jersey (CANJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19601   | 19597 D1 | 19597 R1 | 19599 D2 | 19599 R2 | 19755    | 19842   | 19948   |
|--------------------------|---------|----------|----------|----------|----------|----------|---------|---------|
| SAMPLE DATE              | 3/14/01 | 3/20/01  | 3/20/01  | 3/20/01  | 3/20/01  | 4/1/01   | 4/13/01 | 4/25/01 |
| ANALYSIS DATE            | 4/20/01 | 4/21/01  | 4/21/01  | 4/21/01  | 4/21/01  | 5/1/01   | 5/8/01  | 5/18/01 |
| FILE NAME                | F1DS021 | F1DS044  | F1DS045  | F1DS046  | F1DS047  | F1D\$044 | F1EG033 | Q1EQ025 |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 1.38    | 1.96     | 1.96     | 1.83     | 1.84     | 2.20     | 2.57    | 1.92    |
| Acetaldehyde             | 0.72    | 0.95     | 0.85     | 0.84     | 0.83     | 0.69     | 1.28    | 0.69    |
| Acetone                  | 1.41    | 2.25     | 2.27     | 2.16     | 2.16     | 1.23     | 1.32    | 2.12    |
| Propionaldehyde          | 0.05    | 0.06     | 0.04     | 0.04     | 0.04     | 0.02     | 0.06    | 0.08    |
| Crotonaldehyde           | 0.004   | 0.01     | 0.01     | 0.01     | 0.01     | ND       | 0.01    | 0.02    |
| Butyr/Isobutyraldehyde   | 0.08    | 0.08     | 0.08     | 0.08     | 0.08     | 0.04     | 0.10    | 0.06    |
| Benzaldehyde             | 0.03    | 0.04     | 0.03     | 0.03     | 0.03     | 0.03     | 0.07    | 0.04    |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       | ND       | ND       | ND      | ND      |
| Valeraldehyde            | 0.02    | 0.02     | 0.02     | 0.02     | 0.02     | 0.01     | 0.03    | 0.01    |
| Tolualdehydes            | 0.02    | 0.02     | 0.02     | 0.01     | 0.02     | 0.01     | 0.03    | ND      |
| Hexaldehyde              | 0.03    | 0.03     | 0.03     | 0.03     | 0.03     | 0.02     | 0.03    | ND      |
| 2,5-Dimethylbenzaldehyde | 0.003u  | 0.002u   | 0.003u   | 0.002u   | 0.002u   | ND       | 0.02    | 0.03    |

u - Concentration below detection limit

\* - Compound diluted 2X.

\*\* - Values low due to moisture in cartridge.

# Camden, New Jersey (CANJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20094   | 20298 D1 | 20298 R1 | 20300 D2 | 20300 R2 | 20390   | 20449   | 20549   |
|--------------------------|---------|----------|----------|----------|----------|---------|---------|---------|
| SAMPLE DATE              | 5/7/01  | 5/19/01  | 5/19/01  | 5/19/01  | 5/19/01  | 5/25/01 | 5/31/01 | 6/6/01  |
| ANALYSIS DATE            | 5/29/01 | 6/8/01   | 6/8/01   | 6/8/01   | 6/8/01   | VOID    | 6/18/01 | 6/21/01 |
| FILE NAME                | Q1E#007 | Q1FG020  | Q1FG021  | Q1FG022  | Q1FG023  | VOID    | Q1FR009 | Q1FU012 |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.49    | 7.09     | 7.37     | 6.99     | 6.91     |         | 2.96    | 5.61    |
| Acetaldehyde             | 0.62    | 3.56     | 3.62     | 3.54     | 3.48     |         | 1.04    | 2.18    |
| Acetone                  | 1.03    | 2.75     | 2.82     | 2.87     | 2.90     |         | 2.95    | 1.51    |
| Propionaldehyde          | 0.01    | 0.10     | 0.06     | 0.03     | 0.08     |         | 0.18    | 0.08    |
| Crotonaldehyde           | 0.02    | 0.20     | 0.11     | 0.09     | 0.09     |         | ND      | 0.09    |
| Butyr/Isobutyraldehyde   | ND      | 0.10     | 0.08     | 0.05     | 0.05     |         | 0.16    | 0.07    |
| Benzaldehyde             | 0.03    | 0.60     | 0.64     | 0.60     | 0.58     |         | 0.04    | 0.10    |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       | ND       |         | ND      | ND      |
| Valeraldehyde            | ND      | ND       | ND       | ND       | ND       |         | ND      | ND      |
| Tolualdehydes            | 0.02    | 0.13     | 0.16     | 0.10     | 0.11     |         | 0.07    | 0.12    |
| Hexaldehyde              | 0.14    | 0.84     | 0.93     | 0.87     | 0.88     |         | 0.29    | 0.65    |
| 2,5-Dimethylbenzaldehyde | 0.005   | 0.10     | 0.09     | 0.06     | 0.10     |         | ND      | 0.04    |

u - Concentration below detection limit

\* - Compound diluted 2X.

\*\* - Values low due to moisture in cartridge.

# Camden, New Jersey (CANJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20657   | 20901   | 21063   | 21215   | 21354  | 21539   | 21635   | 21698   |
|--------------------------|---------|---------|---------|---------|--------|---------|---------|---------|
| SAMPLE DATE              | 6/12/01 | 6/18/01 | 6/24/01 | 6/30/01 | 7/6/01 | 7/12/01 | 7/18/01 | 7/24/01 |
| ANALYSIS DATE            | 6/22/01 | 6/29/01 | 7/11/01 | VOID    | VOID   | 7/31/01 | 8/11/01 | 8/12/01 |
| FILE NAME                | Q1FU027 | Q1F!023 | Q1GK015 | VOID    | VOID   | Q1G%012 | F1HK011 | F1HK026 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv   | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.00    | 7.32    | 4.08    |         |        | 3.30    | 3.90    | 0.60    |
| Acetaldehyde             | 0.62    | 2.42    | 1.16    |         |        | 0.72    | 0.67    | 0.25    |
| Acetone                  | 0.87    | 2.08    | 1.21    |         |        | 1.13    | 0.77    | 0.40    |
| Propionaldehyde          | 0.09    | 0.16    | 0.04    |         |        | 0.04    | 0.09    | 0.03    |
| Crotonaldehyde           | 0.03    | ND      | ND      |         |        | 0.05    | 0.03    | 0.08    |
| Butyr/Isobutyraldehyde   | 0.05    | 0.14    | ND      |         |        | 0.04    | 0.03    | 0.03    |
| Benzaldehyde             | 0.02    | 0.10    | 0.05    |         |        | 0.03    | 0.07    | 0.02    |
| Isovaleraldehyde         | ND      | ND      | ND      |         |        | ND      | 0.18    | 0.024   |
| Valeraldehyde            | 0.07    | ND      | ND      |         |        | 0.00    | 0.02    | 0.005   |
| Tolualdehydes            | 0.06    | 0.20    | 0.06    |         |        | 0.05    | 0.08    | 0.01    |
| Hexaldehyde              | 0.19    | 0.91    | 0.49    |         |        | 0.44    | 0.03    | 0.01    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      |         |        | 0.04    | ND      | ND      |

u - Concentration below detection limit

\* - Compound diluted 2X.

\*\* - Values low due to moisture in cartridge.

# Camden, New Jersey (CANJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21838   | 22027   | 22092   | 22249 D1  | 22249 R1  | 22251 D2  | 22251 R2  | 22416   |
|--------------------------|---------|---------|---------|-----------|-----------|-----------|-----------|---------|
| SAMPLE DATE              | 7/30/01 | 8/5/01  | 8/11/01 | 8/17/01   | 8/17/01   | 8/17/01   | 8/17/01   | 8/23/01 |
| ANALYSIS DATE            | 8/12/01 | 8/22/01 | 8/27/01 | 9/1/01    | 9/1/01    | 9/1/01    | 9/1/01    | 9/29/01 |
| FILE NAME                | F1HK043 | Q1HV011 | Q1H~016 | **Q1H%025 | **Q1H%026 | **Q1H%027 | **Q1H%028 | F1I~058 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv      | ppbv      | ppbv      | ppbv      | ppbv    |
| Formaldehyde             | 2.68    | 0.60    | *13.86  | 0.39      | 0.39      | 0.92      | 0.95      | 2.64    |
| Acetaldehyde             | 0.55    | 0.20    | 2.64    | 0.11      | 0.10      | 0.33      | 0.24      | 0.68    |
| Acetone                  | 0.66    | 0.42    | 1.67    | 0.42      | 0.43      | 0.70      | 0.77      | 0.84    |
| Propionaldehyde          | 0.04    | 0.02    | 0.11    | ND        | ND        | 0.02      | 0.09      | ND      |
| Crotonaldehyde           | 0.07    | ND      | 0.15    | 0.01      | ND        | ND        | ND        | ND      |
| Butyr/Isobutyraldehyde   | 0.06    | 0.02    | 0.81    | ND        | ND        | ND        | ND        | 0.15    |
| Benzaldehyde             | 0.03    | 0.01    | 0.24    | 0.01      | ND        | ND        | ND        | 0.07    |
| Isovaleraldehyde         | 0.07    | ND      | ND      | ND        | ND        | ND        | ND        | 0.18    |
| Valeraldehyde            | 0.01    | ND      | 0.09    | ND        | ND        | ND        | ND        | 0.02    |
| Tolualdehydes            | 0.05    | 0.01    | 0.11    | 0.0005u   | ND        | 0.05      | 0.02      | 0.12    |
| Hexaldehyde              | 0.02    | 0.05    | 0.95    | 0.03      | 0.02      | 0.11      | 0.13      | 0.03    |
| 2,5-Dimethylbenzaldehyde | 0.01    | ND      | 0.05    | ND        | ND        | ND        | ND        | ND      |

u - Concentration below detection limit

\* - Compound diluted 2X.

\*\* - Values low due to moisture in cartridge.

# Camden, New Jersey (CANJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22536   | 22655   | 22747     | 22881 D1 | 22883 D2 | 22962    | 23191    | 23337   |
|--------------------------|---------|---------|-----------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 8/29/01 | 9/4/01  | 9/10/01   | 9/16/01  | 9/16/01  | 9/22/01  | 9/28/01  | 10/4/01 |
| ANALYSIS DATE            | 9/28/01 | 9/27/01 | 9/28/01   | VOID     | VOID     | 10/25/01 | 10/25/01 | 11/5/01 |
| FILE NAME                | F1I-041 | Q1IZ031 | **Q1IZ059 | VOID     | VOID     | Q1JX027  | Q1JX038  | F1KE016 |
| UNITS                    | ppbv    | ppbv    | ppbv      | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    |
| Formaldehyde             | 3.51    | 3.25    | 0.51      |          |          | 4.38     | 1.52     | 3.67    |
| Acetaldehyde             | 0.82    | 1.24    | 0.10      |          |          | 1.61     | 0.54     | 1.86    |
| Acetone                  | 0.94    | 1.17    | 0.36      |          |          | 1.17     | 1.19     | 1.13    |
| Propionaldehyde          | ND      | 0.14    | ND        |          |          | 0.06     | 0.06     | 0.04    |
| Crotonaldehyde           | 0.01    | 0.14    | ND        |          |          | 0.07     | 0.02     | 0.02    |
| Butyr/Isobutyraldehyde   | 0.08    | 0.08    | ND        |          |          | 0.06     | 0.03     | 0.05    |
| Benzaldehyde             | 0.04    | 0.06    | ND        |          |          | 0.05     | 0.03     | 0.03    |
| Isovaleraldehyde         | ND      | ND      | ND        |          |          | ND       | ND       | ND      |
| Valeraldehyde            | 0.03    | ND      | ND        |          |          | ND       | ND       | 0.04    |
| Tolualdehydes            | 0.08    | 0.08    | ND        |          |          | 0.05     | 0.02     | 0.05    |
| Hexaldehyde              | 0.02    | 0.43    | 0.02      |          |          | 0.50     | 0.16     | 0.03    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND        |          |          | 0.02     | ND       | ND      |

u - Concentration below detection limit

\* - Compound diluted 2X.

\*\* - Values low due to moisture in cartridge.

# Camden, New Jersey (CANJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23358    | 23405    | 23583    | 23768    | 23770 D1 | 23770 R1 | 23772 D2 | 23772 R2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/10/01 | 10/16/01 | 10/22/01 | 10/28/01 | 11/3/01  | 11/3/01  | 11/3/01  | 11/3/01  |
| ANALYSIS DATE            | 11/2/01  | 11/3/01  | 11/9/01  | VOID     | 11/14/01 | 11/14/01 | 11/14/01 | 11/14/01 |
| FILE NAME                | F1KB007  | F1KB012  | F1KH055  | VOID     | F1KL071  | F1KL072  | F1KL073  | F1KL074  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.36     | 2.16     | 3.11     |          | 2.04     | 2.05     | 1.96     | 2.02     |
| Acetaldehyde             | 1.31     | 1.06     | 1.86     |          | 1.17     | 1.17     | 1.12     | 1.15     |
| Acetone                  | 0.98     | 1.00     | 1.25     |          | 1.33     | 1.34     | 1.44     | 1.48     |
| Propionaldehyde          | 0.11     | 0.04     | 0.06     |          | 0.10     | 0.10     | 0.08     | 0.09     |
| Crotonaldehyde           | 0.01     | 0.01     | 0.02     |          | 0.02     | 0.02     | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.09     | 0.08     | 0.10     |          | 0.13     | 0.12     | 0.13     | 0.12     |
| Benzaldehyde             | 0.03     | 0.05     | 0.06     |          | 0.04     | 0.04     | 0.04     | 0.04     |
| Isovaleraldehyde         | ND       | ND       | ND       |          | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.02     | 0.05     |          | 0.03     | 0.03     | 0.03     | 0.03     |
| Tolualdehydes            | 0.03     | 0.04     | 0.04     |          | 0.03     | 0.03     | 0.03     | 0.03     |
| Hexaldehyde              | 0.02     | 0.01     | 0.03     |          | 0.04     | 0.03     | 0.03     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.03     |          | ND       | ND       | ND       | ND       |

u - Concentration below detection limit

\* - Compound diluted 2X.

\*\* - Values low due to moisture in cartridge.

# Camden, New Jersey (CANJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23912    | 24055    | 24080    | 24133    | 24360 D1 | 24360 R1 | 24362 D2 | 24362 R2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 11/9/01  | 11/15/01 | 11/18/01 | 11/21/01 | 11/30/01 | 11/30/01 | 11/30/01 | 11/30/01 |
| ANALYSIS DATE            | 11/27/01 | 11/29/01 | 12/3/01  | 12/7/01  | 12/13/01 | 12/13/01 | 12/13/01 | 12/13/01 |
| FILE NAME                | F1KZ027  | F1K!028  | F1LC008  | F1LG015  | Q1LL024  | Q1LL025  | Q1LL026  | Q1LL027  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.34     | 2.34     | 2.46     | 1.62     | 1.41     | 1.35     | 1.24     | 1.26     |
| Acetaldehyde             | 0.75     | 2.05     | 1.83     | 0.93     | 0.46     | 0.42     | 0.38     | 0.39     |
| Acetone                  | 1.45     | 2.49     | 1.83     | 1.44     | 0.39     | 0.37     | 0.41     | 0.41     |
| Propionaldehyde          | 0.06     | 0.10     | 0.16     | 0.08     | ND       | ND       | ND       | ND       |
| Crotonaldehyde           | 0.01     | 0.04     | 0.02     | 0.01     | 0.004    | 0.02     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.09     | 0.12     | 0.14     | 0.10     | 0.01     | 0.02     | 0.01     | 0.01     |
| Benzaldehyde             | 0.02     | 0.04     | 0.07     | 0.04     | 0.04     | 0.05     | 0.04     | 0.04     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.02     | 0.05     | 0.04     | 0.03     | 0.01     | 0.03     | ND       | ND       |
| Tolualdehydes            | 0.02     | 0.03     | 0.04     | 0.03     | 0.02     | 0.02     | 0.02     | 0.01     |
| Hexaldehyde              | 0.02     | 0.01     | 0.03     | 0.02     | 0.15     | 0.17     | 0.10     | 0.14     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration below detection limit

\* - Compound diluted 2X.

\*\* - Values low due to moisture in cartridge.

# Camden, New Jersey (CANJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24504   | 24640    | 24820    | 24777    |
|--------------------------|---------|----------|----------|----------|
| SAMPLE DATE              | 12/9/01 | 12/15/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/8/02  | 1/10/02  | 1/18/02  | 1/18/02  |
| FILE NAME                | F2AG024 | Q2AJ014  | F2AR015  | F2AQ022  |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 0.93    | 1.08     | 0.97     | 2.05     |
| Acetaldehyde             | 0.46    | 0.47     | 0.57     | 0.93     |
| Acetone                  | 0.97    | 1.27     | 1.14     | 1.43     |
| Propionaldehyde          | 0.04    | 0.04     | 0.04     | 0.09     |
| Crotonaldehyde           | 0.01    | 0.02     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.06    | 0.03     | 0.08     | 0.12     |
| Benzaldehyde             | 0.02    | 0.02     | 0.02     | 0.03     |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.01    | 0.01     | 0.01     | 0.03     |
| Tolualdehydes            | 0.01    | ND       | 0.02     | 0.06     |
| Hexaldehyde              | 0.01    | 0.09     | 0.01     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND      | ND       | ND       | ND       |

u - Concentration below detection limit

\* - Compound diluted 2X.

\*\* - Values low due to moisture in cartridge.

# Camden, New Jersey, (CANJ) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1DI022  | F1DI042  | F1EG034  | Q1E#008  | Q1FU026  | Q1F!014  | Q1GR012  | F1HK010  | F1HK025  | Q1H~015  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 19434 FB | 19525 FB | 19843 FB | 20093 FB | 20656 FB | 20900 FB | 21214 FB | 21634 FB | 21697 FB | 22091 FB |
| Sample Date              | 2/24/01  | 3/8/01   | 4/13/01  | 5/7/01   | 6/12/01  | 6/18/01  | 6/30/01  | 7/18/01  | 7/24/01  | 8/11/01  |
| Date Analyzed            | 4/11/01  | 4/12/01  | 5/8/01   | 5/29/01  | 6/22/01  | 6/28/01  | 7/18/01  | 8/11/01  | 8/12/01  | 8/27/01  |
| Formaldehyde             | 0.030    | 0.038    | 0.018    | 0.024    | 0.041    | 0.051    | 0.038    | 0.039    | 0.064    | 0.041    |
| Acetaldehyde             | 0.088    | 0.111    | 0.062    | 0.006    | 0.253    | 0.039    | 0.135    | 0.067    | 0.111    | 0.078    |
| Acetone                  | 0.095    | 0.084    | 0.100    | 0.114    | 0.186    | 0.164    | 0.313    | 0.172    | 0.130    | 0.160    |
| Propionaldehyde          | 0.000    | 0.002    | 0.003    | ND       |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | 0.009    | 0.013    | ND       | ND       | ND       | ND       | ND       | 0.040    | 0.054    | ND       |
| Benzaldehyde             | 0.008    | ND       | 0.037    | ND       | 0.032    | ND       | 0.004    | 0.024    | 0.020    | ND       |
| Isovaleraldehyde         | ND       | ND       | 0.016    | ND       | ND       | ND       | ND       | 0.010    | 0.013    | ND       |
| Valeraldehyde            | 0.001    | 0.002    | 0.001    | ND       | ND       | ND       | ND       | 0.009    | 0.009    | ND       |
| Tolualdehydes            | ND       | ND       | ND       | ND       | ND       | 0.011    | ND       | 0.125    | 0.112    | ND       |
| Hexaldehyde              | 0.023    | 0.069    | 0.107    | 0.035    | 0.082    | 0.028    | 0.057    | 0.079    | 0.010    | 0.025    |
| 2,5-Dimethylbenzaldehyde | ND       |

# Camden, New Jersey, (CANJ) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

|                          | F1I~040  | Q1IZ030  | Q1JX026  | F1KE015  | F1KH054  | F1KZ026  | Q2AJ013  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| Data File ID             | 22535 FB | 22654 FB | 22961 FB | 23336 FB | 23582 FB | 23911 FB | 24639 FB |
| FB ID                    |          |          |          |          |          |          |          |
| Sample Date              | 8/29/01  | 9/4/01   | 9/22/01  | 10/4/01  | 10/22/01 | 11/9/01  | 12/15/01 |
| Date Analyzed            | 9/28/01  | 9/27/01  | 10/25/01 | 11/5/01  | 11/9/01  | 11/27/01 | 1/10/02  |
| Formaldehyde             | 0.031    | 0.017    | 0.044    | 0.039    | 0.048    | 0.043    | 0.007    |
| Acetaldehyde             | 0.066    | 0.325    | 0.016    | 0.045    | 0.124    | 0.067    | -0.006   |
| Acetone                  | 0.264    | 0.197    | 0.226    | 0.235    | 0.226    | 0.176    | 0.267    |
| Propionaldehyde          | 0.002    | ND       | ND       | 0.006    | 0.009    | ND       | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND       | 0.007    | ND       |
| Butyraldehyde            | 0.074    | ND       | ND       | 0.158    | 0.174    | 0.085    | ND       |
| Benzaldehyde             | 0.012    | ND       | ND       | ND       | 0.014    | 0.015    | ND       |
| Isovaleraldehyde         | 0.009    | ND       | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.008    | ND       | ND       | ND       | 0.004    | ND       | ND       |
| Tolualdehydes            | 0.049    | ND       | 0.350    | 0.052    | 0.060    | 0.087    | ND       |
| Hexaldehyde              | 0.022    | 0.039    | 0.056    | 0.017    | 0.017    | 0.017    | 0.035    |
| 2,5-Dimethylbenzaldehyde | ND       |

# Chester, New Jersey (CHNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20366   | 20453   | 20553   | 20660   | 20903   | 21065   | 21226   | 21348   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/25/01 | 5/31/01 | 6/6/01  | 6/12/01 | 6/18/01 | 6/24/01 | 6/30/01 | 7/6/01  |
| ANALYSIS DATE            | 6/7/01  | VOID    | 6/21/01 | 6/22/01 | 6/28/01 | 7/12/01 | 7/18/01 | 7/27/01 |
| FILE NAME                | Q1FG012 | VOID    | Q1FU010 | Q1FU030 | Q1FI015 | Q1GK016 | Q1GR017 | Q1G~008 |
| UNITS                    | ppbv    |
| Formaldehyde             | 2.46    |         | 2.99    | 5.43    | 4.19    | 3.47    | 0.87    | 1.53    |
| Acetaldehyde             | 0.93    |         | 0.77    | 1.09    | 0.71    | 0.68    | ND      | 0.34    |
| Acetone                  | 1.62    |         | 1.78    | 1.76    | 1.39    | 1.20    | ND      | 1.09    |
| Propionaldehyde          | 0.04    |         | 0.01    | 0.16    | 0.06    | 0.11    | ND      | 0.02    |
| Crotonaldehyde           | ND      |         | ND      | 0.25    | ND      | 0.50    | ND      | ND      |
| Butyr/Isobutyraldehyde   | 0.03    |         | 0.03    | 0.05    | 0.05    | 0.06    | 0.03    | 0.01    |
| Benzaldehyde             | 0.07    |         | 0.05    | 0.05    | 0.04    | 0.04    | 0.02    | 0.01    |
| Isovaleraldehyde         | ND      |         | ND      | ND      | ND      | ND      | ND      | ND      |
| Valeraldehyde            | ND      |         | ND      | 0.02    | ND      | ND      | ND      | ND      |
| Tolualdehydes            | 0.04    |         | 0.06    | 0.06    | 0.05    | 0.04    | 0.04    | ND      |
| Hexaldehyde              | 0.22    |         | 0.35    | 0.60    | 0.69    | 0.44    | 0.22    | 0.18    |
| 2,5-Dimethylbenzaldehyde | ND      |         | ND      | 0.04    | ND      | ND      | ND      | ND      |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Chester, New Jersey (CHNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21471   | 21626   | 21689   | 21840   | 22296 D1 | 22296 R1 | 22298 D2 | 22298 R2 |
|--------------------------|---------|---------|---------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 7/12/01 | 7/18/01 | 7/24/01 | 7/30/01 | 8/17/01  | 8/17/01  | 8/17/01  | 8/17/01  |
| ANALYSIS DATE            | 7/26/01 | VOID    | VOID    | VOID    | 9/21/01  | 9/21/01  | 9/21/01  | 9/21/01  |
| FILE NAME                | Q1GZ024 | VOID    | VOID    | VOID    | F1IT019  | F1IT020  | F1IT021  | F1IT022  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.85    |         |         |         | 5.99     | 5.88     | 6.55     | 6.73     |
| Acetaldehyde             | 0.35    |         |         |         | 1.60     | 1.58     | 1.57     | 1.61     |
| Acetone                  | 1.11    |         |         |         | 1.05     | 1.02     | 1.28     | 1.30     |
| Propionaldehyde          | 0.03    |         |         |         | 0.08     | 0.07     | 0.08     | 0.08     |
| Crotonaldehyde           | ND      |         |         |         | ND       | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | ND      |         |         |         | 0.19     | 0.14     | 0.20     | 0.19     |
| Benzaldehyde             | 0.01    |         |         |         | 0.04     | 0.05     | 0.04     | 0.04     |
| Isovaleraldehyde         | ND      |         |         |         | 0.003    | ND       | ND       | ND       |
| Valeraldehyde            | ND      |         |         |         | 0.07     | 0.07     | 0.06     | 0.07     |
| Tolualdehydes            | ND      |         |         |         | 0.03     | 0.03     | 0.03     | 0.02     |
| Hexaldehyde              | 0.24    |         |         |         | 0.10     | 0.09     | 0.13     | 0.13     |
| 2,5-Dimethylbenzaldehyde | ND      |         |         |         | ND       | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Chester, New Jersey (CHNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22514   | 22533   | 22661   | 22745    | 22889 D1 | 22889 R1 | 22891 D2 | 22891 R2 |
|--------------------------|---------|---------|---------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 8/23/01 | 8/29/01 | 9/4/01  | 9/10/01  | 9/16/01  | 9/16/01  | 9/16/01  | 9/16/01  |
| ANALYSIS DATE            | 9/28/01 | 9/28/01 | 9/27/01 | 9/28/01  | 10/20/01 | 10/20/01 | 10/20/01 | 10/20/01 |
| FILE NAME                | F1I~033 | F1I~039 | Q1IZ036 | *Q1IZ058 | Q1JS026  | Q1JS027  | Q1JS028  | Q1JS029  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 6.64    | 5.04    | 4.76    | 5.83     | 4.26     | 4.35     | 4.77     | 4.66     |
| Acetaldehyde             | 1.94    | 0.96    | 1.24    | 0.70     | 0.92     | 0.94     | 0.97     | 0.98     |
| Acetone                  | 1.13    | 1.11    | 1.03    | 0.40     | 1.12     | 1.11     | 1.45     | 1.46     |
| Propionaldehyde          | 0.07    | 0.03    | 0.08    | 0.002u   | 0.05     | 0.05     | 0.06     | 0.06     |
| Crotonaldehyde           | ND      | ND      | 0.13    | ND       | 0.05     | 0.05     | 0.07     | 0.07     |
| Butyr/Isobutyraldehyde   | 0.16    | 0.15    | 0.04    | ND       | 0.03     | 0.03     | 0.05     | 0.05     |
| Benzaldehyde             | 0.06    | 0.04    | 0.04    | ND       | 0.02     | 0.02     | 0.01     | 0.01     |
| Isovaleraldehyde         | ND      | ND      | ND      | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.02    | 0.02    | ND      | ND       | ND       | ND       | 0.01     | 0.003    |
| Tolualdehydes            | 0.04    | 0.03    | 0.04    | ND       | 0.01     | 0.01     | 0.015    | 0.02     |
| Hexaldehyde              | 0.02    | 0.02    | 0.21    | 0.09     | 0.12     | 0.11     | 0.13     | 0.13     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | 0.01    | ND       | 0.003u   | 0.003u   | ND       | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Chester, New Jersey (CHNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22965    | 23139    | 23289   | 23360    | 23403    | 23525    | 23869 D1 | 23869 R1 |
|--------------------------|----------|----------|---------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/22/01  | 9/28/01  | 10/4/01 | 10/10/01 | 10/16/01 | 10/22/01 | 11/3/01  | 11/3/01  |
| ANALYSIS DATE            | 10/25/01 | 10/27/01 | 11/8/01 | 11/2/01  | 11/2/01  | VOID     | 11/21/01 | 11/21/01 |
| FILE NAME                | Q1JX029  | F1JZ042  | F1KH019 | F1KB008  | F1KB011  | VOID     | F1KT026  | F1KT027  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 5.38     | 2.05     | 8.23    | 3.48     | 3.52     |          | 3.33     | 3.65     |
| Acetaldehyde             | 1.71     | 0.78     | 2.34    | 1.89     | 1.87     |          | 1.84     | 2.01     |
| Acetone                  | 1.19     | 1.02     | 1.58    | 1.76     | 1.25     |          | 1.19     | 1.31     |
| Propionaldehyde          | 0.11     | 0.05     | 0.07    | 0.11     | 0.12     |          | 0.06     | 0.07     |
| Crotonaldehyde           | 0.06     | ND       | 0.003   | 0.01     | 0.01     |          | 0.003    | 0.004    |
| Butyr/Isobutyraldehyde   | 0.07     | 0.14     | 0.14    | 0.11     | 0.14     |          | 0.11     | 0.12     |
| Benzaldehyde             | 0.04     | 0.02     | 0.03    | 0.02     | 0.03     |          | 0.03     | 0.03     |
| Isovaleraldehyde         | ND       | ND       | ND      | ND       | ND       |          | ND       | ND       |
| Valeraldehyde            | 0.02     | 0.01     | 0.01    | 0.01     | 0.01     |          | 0.01     | 0.02     |
| Tolualdehydes            | 0.02     | 0.02     | 0.02    | 0.03     | 0.03     |          | 0.02     | 0.02     |
| Hexaldehyde              | 0.18     | 0.01     | 0.01    | 0.01     | 0.01     |          | 0.01     | 0.01     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND      | ND       | ND       |          | ND       | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Chester, New Jersey (CHNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23871 D2 | 23871 R2 | 23918    | 24051    | 24053    | 24135    | 24305    | 24358    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 11/3/01  | 11/3/01  | 11/9/01  | 11/15/01 | 11/18/01 | 11/21/01 | 11/27/01 | 12/3/01  |
| ANALYSIS DATE            | 11/21/01 | 11/21/01 | 11/26/01 | 11/29/01 | 11/29/01 | 12/7/01  | 12/12/01 | 12/12/01 |
| FILE NAME                | F1KT028  | F1KT029  | Q1KZ006  | F1K!026  | F1K!027  | F1LG016  | Q1LL006  | Q1LL016  |
| UNITS                    | ppbv     |
| Formaldehyde             | 3.36     | 3.36     | 2.68     | 3.51     | 2.25     | 1.53     | 1.77     | 2.03     |
| Acetaldehyde             | 1.74     | 1.73     | 1.06     | 2.54     | 1.60     | 0.93     | 1.11     | 1.26     |
| Acetone                  | 1.38     | 1.37     | 1.22     | 2.58     | 1.51     | 1.19     | 1.64     | 1.53     |
| Propionaldehyde          | 0.10     | 0.08     | 0.07     | 0.17     | 0.14     | 0.05     | 0.10     | 0.13     |
| Crotonaldehyde           | ND       | ND       | 0.02     | 0.004    | 0.01     | 0.004    | 0.02     | 0.08     |
| Butyr/Isobutyraldehyde   | 0.14     | 0.13     | 0.03     | 0.18     | 0.14     | 0.08     | 0.05     | 0.06     |
| Benzaldehyde             | 0.02     | 0.02     | 0.01     | 0.05     | 0.03     | 0.02     | 0.04     | 0.02     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.02     | 0.02     | ND       | 0.03     | 0.03     | 0.01     | 0.01     | 0.17     |
| Tolualdehydes            | 0.02     | 0.02     | 0.01     | 0.05     | 0.03     | 0.02     | ND       | ND       |
| Hexaldehyde              | 0.02     | 0.02     | 0.06     | 0.01     | 0.01     | 0.01     | 0.11     | 0.10     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | 0.03     | 0.01     | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Chester, New Jersey (CHNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24465   | 24471   | 24608    | 24814    | 24904    |
|--------------------------|---------|---------|----------|----------|----------|
| SAMPLE DATE              | 12/6/01 | 12/9/01 | 12/15/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/8/02  | 1/9/02  | 1/15/02  | 1/18/02  | 1/22/02  |
| FILE NAME                | F2AG051 | F2AG056 | F2AN031  | F2AR013  | F2AU021  |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 3.10    | 1.88    | 1.95     | 1.97     | 5.21     |
| Acetaldehyde             | 1.78    | 0.75    | 0.46     | 0.39     | 1.03     |
| Acetone                  | 2.33    | 0.86    | 0.70     | 0.77     | 1.37     |
| Propionaldehyde          | 0.16    | 0.04    | 0.03     | ND       | 0.10     |
| Crotonaldehyde           | 0.004   | ND      | 0.003    | ND       | 0.013    |
| Butyr/Isobutyraldehyde   | 0.15    | 0.03    | 0.06     | 0.03     | 0.12     |
| Benzaldehyde             | 0.04    | 0.01    | 0.01     | 0.01     | 0.04     |
| Isovaleraldehyde         | ND      | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.02    | 0.01    | 0.004    | 0.01     | 0.06     |
| Tolualdehydes            | 0.03    | 0.005   | 0.005    | 0.07     | 0.04     |
| Hexaldehyde              | 0.01    | 0.01    | 0.01     | 0.01     | 0.12     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Chester, New Jersey (CHNJ) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1FG013  | Q1FU029  | Q1GR016  | VOID     | F1HK022  | F1I~038  | Q1IZ035  | Q1JX028  | F1KH018  | VOID     |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 20365 FB | 20659 FB | 21225 FB | 21625 FB | 21688 FB | 22532 FB | 22660 FB | 22964 FB | 23288 FB | 23524 FB |
| Sample Date              | 5/25/01  | 6/12/01  | 6/30/01  | 7/18/01  | 7/24/01  | 8/29/01  | 9/4/01   | 9/22/01  | 10/4/01  | 10/22/01 |
| Date Analyzed            | 6/7/01   | 6/22/01  | 7/18/01  | VOID     | 8/12/01  | 9/28/01  | 9/27/01  | 10/25/01 | 11/8/01  | VOID     |
| Formaldehyde             | 0.05     | 0.08     | 0.02     |          | 0.03     | 0.02     | 0.02     | 0.04     | 0.10     |          |
| Acetaldehyde             | 0.07     | 0.12     | 0.06     |          | 0.08     | 0.05     | 0.05     | 0.004    | 0.08     |          |
| Acetone                  | 0.23     | 0.18     | 0.15     |          | 0.13     | 0.32     | 0.27     | 0.23     | 0.24     |          |
| Propionaldehyde          | ND       | ND       | ND       |          | ND       | ND       | ND       | ND       | 0.010    |          |
| Crotonaldehyde           | ND       | ND       | ND       |          | ND       | ND       | ND       | ND       | ND       |          |
| Butyraldehyde            | ND       | ND       | ND       |          | 0.04     | 0.11     | ND       | ND       | 0.30     |          |
| Benzaldehyde             | ND       | ND       | ND       |          | 0.02     | 0.01     | ND       | ND       | 0.02     |          |
| Isovaleraldehyde         | ND       | ND       | ND       |          | 0.007    | ND       | ND       | ND       | ND       |          |
| Valeraldehyde            | ND       | ND       | ND       |          | 0.009    | 0.008    | ND       | ND       | 0.02     |          |
| Tolualdehydes            | 0.02     | 0.10     | 0.14     |          | 0.07     | 0.04     | ND       | ND       | 0.25     |          |
| Hexaldehyde              | ND       | 0.36     | 0.10     |          | 0.02     | ND       | 0.01     | ND       | 0.02     |          |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       |          | ND       | ND       | ND       | ND       | ND       |          |

# **Chester, New Jersey (CHNJ) 2001 UATMP Carbonyl Final Field Blank Data Report**

( $\mu\text{g}/\text{cartridge}$ )

|                          | Q1KZ005  | Q1LL005  | F2AG055  | F2AN030  |
|--------------------------|----------|----------|----------|----------|
| Data File ID             | 23917 FB | 24304 FB | 24470 FB | 24607 FB |
| FB ID                    |          |          |          |          |
| Sample Date              | 11/9/01  | 11/27/01 | 12/9/01  | 12/15/01 |
| Date Analyzed            | 11/26/01 | 12/12/01 | 1/8/02   | 1/15/02  |
|                          |          |          |          |          |
| Formaldehyde             | 0.005    | 0.01     | 0.12     | 0.06     |
| Acetaldehyde             | 0.12     | 0.02     | 0.03     | 0.05     |
| Acetone                  | 0.18     | 0.21     | 0.28     | 0.29     |
| Propionaldehyde          | ND       | ND       | ND       | 0.008    |
| Crotonaldehyde           | ND       | ND       | ND       | 0.006    |
| Butyraldehyde            | ND       | ND       | 0.02     | 0.06     |
| Benzaldehyde             | ND       | ND       | 0.01     | 0.01     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       |
| Valeraldehyde            | ND       | ND       | ND       | 0.01     |
| Tolualdehydes            | ND       | ND       | 0.02     | 0.01     |
| Hexaldehyde              | 0.02     | 0.02     | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       |

# Clinton, Iowa (CLIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 18994   | 19077   | 19185   | 19248   | 19372 D1 | 19374 D2 | 19469   | 19580   |
|--------------------------|---------|---------|---------|---------|----------|----------|---------|---------|
| SAMPLE DATE              | 1/1/01  | 1/13/01 | 1/25/01 | 2/6/01  | 2/18/01  | 2/18/01  | 3/2/01  | 3/14/01 |
| ANALYSIS DATE            | 1/29/01 | 2/6/01  | 2/9/01  | 2/14/01 | VOID     | VOID     | 4/16/01 | 4/19/01 |
| FILE NAME                | Q1A#010 | Q1BF012 | Q1BH040 | Q1BM040 | VOID     | VOID     | F1DP006 | F1DS009 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 1.62    | 0.76    | 1.47    | 0.81    |          |          | 0.86    | 0.73    |
| Acetaldehyde             | 0.97    | 0.77    | 0.88    | 0.65    |          |          | 1.02    | 0.81    |
| Acetone                  | 1.15    | 1.32    | 0.92    | 1.05    |          |          | 1.58    | 1.45    |
| Propionaldehyde          | 0.12    | 0.10    | 0.09    | 0.07    |          |          | 0.05    | 0.03    |
| Crotonaldehyde           | 0.06    | ND      | 0.04    | 0.02    |          |          | 0.002u  | ND      |
| Butyr/Isobutyraldehyde   | 0.09    | 0.06    | 0.06    | 0.04    |          |          | 0.08    | 0.06    |
| Benzaldehyde             | 0.03    | 0.03    | 0.03    | 0.02    |          |          | 0.03    | 0.03    |
| Isovaleraldehyde         | ND      | 0.01    | ND      | 0.01    |          |          | ND      | ND      |
| Valeraldehyde            | 0.03    | 0.04    | 0.04    | 0.03    |          |          | 0.04    | 0.03    |
| Tolualdehydes            | 0.03    | 0.02    | 0.0002u | 0.03    |          |          | 0.03    | 0.02    |
| Hexaldehyde              | 0.10    | 0.14    | 0.15    | 0.13    |          |          | 0.08    | 0.07    |
| 2,5-Dimethylbenzaldehyde | 0.003   | ND      | 0.02    | ND      |          |          | 0.002u  | 0.003u  |

u - Concentration is below the detection limit.

1 of 5

# Clinton, Iowa (CLIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19607 D1 | 19609 D2 | 19695   | 19788   | 19871   | 19986   | 20153 D1 | 20153 R1 |
|--------------------------|----------|----------|---------|---------|---------|---------|----------|----------|
| SAMPLE DATE              | 3/20/01  | 3/20/01  | 3/26/01 | 4/7/01  | 4/19/01 | 5/1/01  | 5/13/01  | 5/13/01  |
| ANALYSIS DATE            | VOID     | VOID     | 4/20/01 | 5/8/01  | 5/16/01 | 5/18/01 | 5/30/01  | 5/30/01  |
| FILE NAME                | VOID     | VOID     | F1DS029 | F1EG023 | Q1EO024 | Q1EQ137 | Q1E#037  | Q1E#038  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     |
| Formaldehyde             |          |          | 2.15    | 1.17    | 1.58    | 4.19    | 1.98     | 2.02     |
| Acetaldehyde             |          |          | 0.66    | 0.55    | 0.60    | 2.16    | 0.81     | 0.84     |
| Acetone                  |          |          | 1.90    | 0.85    | 1.69    | 1.40    | 1.15     | 1.17     |
| Propionaldehyde          |          |          | 0.05    | 0.02    | 0.07    | 0.05    | 0.03     | 0.03     |
| Crotonaldehyde           |          |          | ND      | ND      | ND      | ND      | ND       | ND       |
| Butyr/Isobutyraldehyde   |          |          | 0.06    | 0.05    | 0.02    | 0.06    | 0.07     | 0.09     |
| Benzaldehyde             |          |          | 0.02    | 0.02    | 0.04    | 0.14    | 0.06     | 0.08     |
| Isovaleraldehyde         |          |          | ND      | ND      | ND      | 0.16    | ND       | ND       |
| Valeraldehyde            |          |          | 0.01    | 0.03    | ND      | ND      | ND       | ND       |
| Tolualdehydes            |          |          | 0.01    | 0.02    | 0.03    | 0.05    | 0.07     | 0.14     |
| Hexaldehyde              |          |          | 0.05    | 0.03    | 0.22    | 0.76    | 0.33     | 0.36     |
| 2,5-Dimethylbenzaldehyde |          |          | ND      | 0.01    | ND      | ND      | 0.09     | 0.03     |

u - Concentration is below the detection limit.

2 of 5

# Clinton, Iowa (CLIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20155 D2 | 20155 R2 | 20408   | 20421 D1 | 20421 R1 | 20423 D2 | 20423 R2 | 20601   |
|--------------------------|----------|----------|---------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 5/13/01  | 5/13/01  | 5/25/01 | 5/31/01  | 5/31/01  | 5/31/01  | 5/31/01  | 6/6/01  |
| ANALYSIS DATE            | 5/30/01  | 5/30/01  | 6/12/01 | 6/19/01  | 6/19/01  | 6/19/01  | 6/19/01  | 6/22/01 |
| FILE NAME                | Q1E#039  | Q1E#040  | Q1FK017 | Q1FR024  | Q1FR025  | Q1FR026  | Q1FR027  | Q1FU018 |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    |
| Formaldehyde             | 2.05     | 1.91     | 1.44    | 1.52     | 1.70     | 1.68     | 1.73     | 2.17    |
| Acetaldehyde             | 0.82     | 0.77     | 0.78    | 0.58     | 0.67     | 0.72     | 0.64     | 0.82    |
| Acetone                  | 1.06     | 1.00     | 1.27    | 1.08     | 1.19     | 0.99     | 1.01     | 1.08    |
| Propionaldehyde          | 0.02     | 0.02     | 0.02    | 0.01     | 0.02     | ND       | ND       | 0.02    |
| Crotonaldehyde           | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND      |
| Butyr/Isobutyraldehyde   | 0.05     | 0.04     | 0.04    | ND       | ND       | ND       | ND       | ND      |
| Benzaldehyde             | 0.08     | 0.04     | 0.05    | 0.03     | 0.04     | 0.05     | 0.04     | 0.06    |
| Isovaleraldehyde         | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND      |
| Valeraldehyde            | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND      |
| Tolualdehydes            | 0.15     | 0.08     | 0.03    | 0.03     | 0.04     | 0.05     | 0.05     | 0.08    |
| Hexaldehyde              | 0.42     | 0.33     | 0.19    | 0.30     | 0.31     | 0.26     | 0.27     | 0.32    |
| 2,5-Dimethylbenzaldehyde | 0.03     | 0.02     | ND      | ND       | ND       | ND       | ND       | ND      |

u - Concentration is below the detection limit.

3 of 5

# Clinton, Iowa (CLIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20943   | 21256   | 21531   | 21795   | 21990   | 22253 D1 | 22253 R1 | 22255 D2 |
|--------------------------|---------|---------|---------|---------|---------|----------|----------|----------|
| SAMPLE DATE              | 6/18/01 | 6/30/01 | 7/12/01 | 7/24/01 | 8/5/01  | 8/17/01  | 8/17/01  | 8/17/01  |
| ANALYSIS DATE            | 6/28/01 | 7/26/01 | 7/31/01 | 8/21/01 | 8/22/01 | 9/1/01   | 9/1/01   | 9/1/01   |
| FILE NAME                | Q1F1016 | Q1GZ007 | Q1G%008 | F1HU005 | Q1HV005 | Q1H%029  | Q1H%030  | Q1H%031  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 7.45    | 4.26    | 2.55    | 4.22    | 4.20    | 1.43     | 1.60     | 1.49     |
| Acetaldehyde             | 2.79    | ND      | 1.14    | 0.70    | 0.87    | 0.54     | 0.54     | 0.55     |
| Acetone                  | 1.37    | 0.69    | 0.72    | 0.62    | 0.34    | 1.63     | 1.66     | 1.71     |
| Propionaldehyde          | 0.06    | 0.02    | 0.01    | ND      | 0.05    | 0.03     | 0.03     | 0.02     |
| Crotonaldehyde           | ND      | ND      | ND      | ND      | ND      | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.12    | 0.45    | 0.04    | 0.11    | 0.12    | 0.03     | 0.02     | 0.02     |
| Benzaldehyde             | 0.08    | 0.05    | 0.04    | 0.04    | 0.02    | 0.02     | 0.02     | 0.02     |
| Isovaleraldehyde         | 0.05    | 0.01    | 0.07    | 0.06    | 0.02    | 0.01     | 0.01     | 0.01     |
| Valeraldehyde            | 0.01    | ND      | ND      | 0.02    | ND      | ND       | ND       | ND       |
| Tolualdehydes            | 0.10    | 0.08    | 0.04    | 0.10    | 0.03    | 0.02     | 0.02     | 0.02     |
| Hexaldehyde              | 1.64    | 0.77    | 0.43    | 0.02    | 0.39    | 0.20     | 0.21     | 0.19     |
| 2,5-Dimethylbenzaldehyde | ND      | 0.04    | 0.07    | 0.002u  | ND      | ND       | ND       | ND       |

u - Concentration is below the detection limit.

# Clinton, Iowa (CLIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22255 R2 | 22479   | 22800    | 22994    | 23246    | 23417    |
|--------------------------|----------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 8/17/01  | 8/29/01 | 9/10/01  | 9/22/01  | 10/4/01  | 10/16/01 |
| ANALYSIS DATE            | 9/1/01   | 9/27/01 | 10/19/01 | 10/27/01 | 10/25/01 | 11/3/01  |
| FILE NAME                | Q1H%032  | Q1IZ020 | F1JS017  | F1JZ027  | Q1JX053  | F1KB018  |
| UNITS                    | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.57     | 1.98    | 1.26     | 2.97     | 0.91     | 0.60     |
| Acetaldehyde             | 0.56     | 0.65    | 0.64     | 1.92     | 0.64     | 0.54     |
| Acetone                  | 1.78     | 0.68    | 0.81     | 1.25     | 1.03     | 0.92     |
| Propionaldehyde          | 0.03     | 0.05    | 0.05     | 0.10     | 0.03     | 0.04     |
| Crotonaldehyde           | ND       | ND      | ND       | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.02     | 0.03    | 0.11     | 0.21     | 0.02     | 0.08     |
| Benzaldehyde             | 0.02     | 0.03    | 0.03     | 0.04     | 0.02     | 0.02     |
| Isovaleraldehyde         | 0.003    | ND      | ND       | 0.01     | ND       | 0.003    |
| Valeraldehyde            | ND       | 0.003   | 0.02     | 0.04     | ND       | 0.01     |
| Tolualdehydes            | 0.01     | 0.05    | 0.03     | 0.04     | 0.003    | 0.02     |
| Hexaldehyde              | 0.19     | 0.33    | 0.03     | 0.04     | 0.13     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND      | 0.01     | 0.0035   | ND       | ND       |

u - Concentration is below the detection limit.

5 of 5

# Clinton, Iowa (CLIA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | Q1BH041  | Q1BM041  | F1DS028  | Q1EO025  | Q1FK018  | Q1GZ006  | F1HN033  | Q1IZ019 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|---------|
| ERG Sample ID            | 19186 FB | 19249 FB | 19696 FB | 19872 FB | 20407 FB | 21255 FB | 21794 FB | 22478   |
| Date Sampled             | 1/25/01  | 2/6/01   | 3/27/01  | 4/19/01  | 5/25/01  | 6/30/01  | 7/24/01  | 8/29/01 |
| Date Analyzed            | 2/9/01   | 2/14/01  | 4/20/01  | 5/16/01  | 6/12/01  | 7/26/01  | 8/15/01  | 9/27/01 |
| Formaldehyde             | 0.02     | 0.02     | 0.002    | 0.03     | 0.076    | 0.00     | 0.03     | 0.02    |
| Acetaldehyde             | 0.04     | 0.04     | 0.09     | 0.01     | 0.08     | 0.02     | 0.08     | 0.10    |
| Acetone                  | 0.26     | 0.21     | 0.08     | 0.10     | 0.19     | 0.16     | 0.13     | 0.25    |
| Propionaldehyde          | ND       | ND      |
| Crotonaldehyde           | ND       | ND      |
| Butyraldehyde            | ND       | ND       | 0.01     | ND       | ND       | ND       | 0.02     | ND      |
| Benzaldehyde             | ND       | 0.01     | 0.001    | ND       | 0.003    | ND       | 0.017    | ND      |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | ND       | 0.02     | ND      |
| Valeraldehyde            | ND       | ND       | 0.002    | ND       | ND       | ND       | 0.008    | ND      |
| Tolualdehydes            | 0.05     | 0.07     | ND       | ND       | ND       | ND       | 0.09     | 0.00    |
| Hexaldehyde              | 0.03     | 0.02     | 0.03     | 0.07     | 0.01     | 0.03     | 0.02     | 0.03    |
| 2,5-Dimethylbenzaldehyde | ND       | ND      |

# Clinton, Iowa (CLIA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | F1JZ026  | Q1JX052  |
|--------------------------|----------|----------|
| ERG Sample ID            | 22993    | 23245    |
| Date Sampled             | 9/22/01  | 10/4/01  |
| Date Analyzed            | 10/27/01 | 10/25/01 |
|                          |          |          |
| Formaldehyde             | 0.08     | 0.03     |
| Acetaldehyde             | 0.07     | 0.11     |
| Acetone                  | 0.23     | 0.20     |
| Propionaldehyde          | 0.01     | ND       |
| Crotonaldehyde           | ND       | ND       |
| Butyraldehyde            | 0.13     | ND       |
| Benzaldehyde             | 0.01     | ND       |
| Isovaleraldehyde         | ND       | ND       |
| Valeraldehyde            | 0.01     | ND       |
| Tolualdehydes            | 0.06     | ND       |
| Hexaldehyde              | 0.02     | 0.01     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       |

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 18990   | 19021    | 19061    | 19122   | 19165   | 19218   | 19251   |
|--------------------------|---------|----------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 1/1/01  | 1/7/01   | 1/13/01  | 1/19/01 | 1/25/01 | 1/31/01 | 2/6/01  |
| ANALYSIS DATE            | 1/29/01 | 1/30/01  | 1/30/01  | 2/7/01  | 2/9/01  | 2/14/01 | 2/14/01 |
| FILE NAME                | Q1A#011 | Q1A\$010 | Q1A\$011 | Q1BF033 | Q1BH017 | Q1BM017 | Q1BM038 |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.82    | 1.22     | 0.83     | 1.08    | 1.32    | 1.12    | 1.29    |
| Acetaldehyde             | 1.24    | 0.70     | 0.72     | 0.69    | 1.27    | 0.66    | 1.05    |
| Acetone                  | 1.07    | 0.67     | 1.35     | 0.73    | 0.75    | 1.05    | 1.24    |
| Propionaldehyde          | 0.16    | 0.09     | 0.12     | 0.10    | 0.10    | 0.11    | 0.14    |
| Crotonaldehyde           | 0.04    | 0.02     | 0.02     | 0.03    | 0.04    | 0.02    | 0.03    |
| Butyr/Isobutyraldehyde   | 0.11    | 0.06     | 0.07     | 0.06    | 0.07    | 0.07    | 0.08    |
| Benzaldehyde             | 0.02    | 0.01     | 0.02     | 0.02    | 0.03    | 0.01    | 0.02    |
| Isovaleraldehyde         | 0.04    | 0.01     | 0.01     | 0.01    | 0.03    | 0.01    | 0.01    |
| Valeraldehyde            | 0.03    | 0.02     | 0.03     | 0.02    | 0.02    | 0.02    | 0.03    |
| Tolualdehydes            | 0.05    | ND       | 0.004    | 0.03    | 0.04    | 0.02    | 0.01    |
| Hexaldehyde              | 0.04    | 0.06     | 0.07     | 0.04    | 0.03    | 0.05    | 0.03    |
| 2,5-Dimethylbenzaldehyde | ND      | ND       | ND       | 0.003   | u       | ND      | ND      |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19297 D1 | 19297 R1 | 19299 D2 | 19299 R2 | 19352 D1 | 19352 R1 | 19354 D2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 2/12/01  | 2/12/01  | 2/12/01  | 2/12/01  | 2/18/01  | 2/18/01  | 2/18/01  |
| ANALYSIS DATE            | 3/1/01   | 3/1/01   | 3/1/01   | 3/1/01   | 3/6/01   | 3/6/01   | 3/6/01   |
| FILE NAME                | Q1B!022  | Q1B!023  | Q1B!024  | Q1B!025  | Q1CE032  | Q1CE033  | Q1CE034  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.37     | 1.34     | 1.35     | 1.34     | 1.23     | 1.63     | 1.32     |
| Acetaldehyde             | 1.94     | 1.92     | 1.87     | 1.87     | 4.70     | 4.76     | 4.82     |
| Acetone                  | 1.14     | 1.12     | 1.09     | 1.09     | 0.87     | 0.87     | 0.87     |
| Propionaldehyde          | 0.12     | 0.12     | 0.12     | 0.11     | 0.11     | 0.10     | 0.11     |
| Crotonaldehyde           | 0.05     | 0.04     | 0.03     | 0.03     | 0.03     | 0.04     | 0.03     |
| Butyr/Isobutyraldehyde   | 0.10     | 0.09     | 0.08     | 0.09     | 0.11     | 0.11     | 0.11     |
| Benzaldehyde             | 0.02     | 0.03     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     |
| Isovaleraldehyde         | 0.06     | 0.07     | 0.06     | 0.06     | 0.15     | 0.15     | 0.15     |
| Valeraldehyde            | 0.04     | 0.04     | 0.04     | 0.04     | 0.05     | 0.06     | 0.05     |
| Tolualdehydes            | 0.02     | 0.02     | 0.03     | 0.01     | 0.01     | ND       | 0.01     |
| Hexaldehyde              | 0.05     | 0.04     | 0.07     | 0.05     | 0.06     | 0.06     | 0.06     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19354 R2 | 19412   | 19455   | 19508   | 19557   | 19595   | 19666    |
|--------------------------|----------|---------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 2/18/01  | 2/24/01 | 3/2/01  | 3/8/01  | 3/14/01 | 3/20/01 | 3/26/01  |
| ANALYSIS DATE            | 3/6/01   | 4/9/01  | 4/11/01 | 4/17/01 | 4/17/01 | 4/19/01 | 5/1/01   |
| FILE NAME                | Q1CE035  | F1DI006 | F1DI037 | F1DP018 | F1DP046 | F1DS015 | F1D\$025 |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     |
| Formaldehyde             | 1.33     | 0.70    | 1.39    | 1.41    | 1.04    | 1.76    | 1.53     |
| Acetaldehyde             | 4.87     | 0.64    | 1.02    | 0.81    | 2.25    | 1.31    | 0.73     |
| Acetone                  | 0.87     | 1.30    | 1.82    | 1.31    | 1.03    | 1.58    | 1.13     |
| Propionaldehyde          | 0.10     | 0.07    | 0.11    | 0.09    | 0.07    | 0.12    | 0.07     |
| Crotonaldehyde           | 0.03     | ND      | 0.004   | ND      | ND      | 0.001   | u ND     |
| Butyr/Isobutyraldehyde   | 0.12     | 0.10    | 0.14    | 0.10    | 0.11    | 0.14    | 0.08     |
| Benzaldehyde             | 0.02     | 0.02    | 0.02    | 0.02    | 0.02    | 0.04    | 0.01     |
| Isovaleraldehyde         | 0.15     | 0.02    | 0.04    | ND      | ND      | 0.04    | ND       |
| Valeraldehyde            | 0.05     | 0.04    | 0.04    | 0.03    | 0.04    | 0.04    | 0.02     |
| Tolualdehydes            | 0.01     | 0.02    | 0.02    | 0.01    | 0.02    | 0.02    | 0.003    |
| Hexaldehyde              | 0.07     | 0.10    | 0.08    | 0.04    | 0.10    | 0.08    | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND       | ND      | ND      | ND      | ND      | ND      | ND       |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19748    | 19783   | 19805   | 19855   | 19934   | 19977   | 20075   |
|--------------------------|----------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 4/1/01   | 4/7/01  | 4/13/01 | 4/19/01 | 4/25/01 | 5/1/01  | 5/7/01  |
| ANALYSIS DATE            | 5/1/01   | 5/8/01  | 5/8/01  | 5/16/01 | 5/18/01 | 5/18/01 | 5/29/01 |
| FILE NAME                | F1D\$043 | F1EG015 | F1EG036 | Q1EO038 | Q1EQ018 | Q1EQ033 | Q1E#011 |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.69     | 1.64    | 1.46    | 2.86    | 1.68    | 3.91    | 1.17    |
| Acetaldehyde             | 1.26     | 3.90    | 1.52    | 1.08    | 1.49    | 3.84    | 1.12    |
| Acetone                  | 1.24     | 0.84    | 1.25    | 1.40    | 1.28    | 1.49    | 0.91    |
| Propionaldehyde          | 0.08     | 0.13    | 0.09    | 0.19    | 0.14    | 0.24    | 0.09    |
| Crotonaldehyde           | ND       | 0.003   | 0.001   | u       | 0.06    | 0.03    | 0.10    |
| Butyr/Isobutyraldehyde   | 0.11     | 0.36    | 0.16    | 0.13    | 0.10    | 1.60    | 0.06    |
| Benzaldehyde             | 0.02     | 0.06    | 0.05    | 0.02    | 0.04    | 0.04    | 0.02    |
| Isovaleraldehyde         | ND       | 0.46    | 0.09    | 0.005   | 0.07    | 0.09    | 0.01    |
| Valeraldehyde            | 0.04     | 0.05    | 0.06    | 0.05    | 0.07    | 0.12    | 0.04    |
| Tolualdehydes            | 0.01     | 0.004   | 0.05    | 0.03    | 0.07    | 0.04    | 0.003   |
| Hexaldehyde              | 0.07     | 0.17    | 0.09    | 0.11    | 0.11    | 0.28    | 0.09    |
| 2,5-Dimethylbenzaldehyde | ND       | ND      | ND      | ND      | 0.001   | u       | ND      |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20115 D1 | 20115 R1 | 20117 D2 | 20117 R2 | 20231 D1 | 20231 R1 | 20233 D2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 5/13/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/19/01  | 5/19/01  | 5/19/01  |
| ANALYSIS DATE            | 5/30/01  | 5/30/01  | 5/30/01  | 5/30/01  | 6/4/01   | 6/4/01   | 6/4/01   |
| FILE NAME                | Q1E#041  | Q1E#042  | Q1E#043  | Q1E#044  | Q1FD016  | Q1FD017  | Q1FD019  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.11     | 2.07     | 2.19     | 2.10     | 6.64     | 6.80     | 6.19     |
| Acetaldehyde             | 0.88     | 0.86     | 0.88     | 0.88     | 2.84     | 2.86     | 2.64     |
| Acetone                  | 1.25     | 1.23     | 1.25     | 1.25     | 2.67     | 2.68     | 2.68     |
| Propionaldehyde          | 0.16     | 0.18     | 0.17     | 0.16     | 0.62     | 0.59     | 0.51     |
| Crotonaldehyde           | 0.04     | 0.05     | 0.04     | 0.04     | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.07     | 0.08     | 0.06     | 0.08     | 0.32     | 0.32     | 0.30     |
| Benzaldehyde             | 0.04     | 0.04     | 0.11     | 0.04     | 0.18     | 0.20     | 0.16     |
| Isovaleraldehyde         | 0.01     | 0.002    | u        | 0.02     | 0.001    | u        | 0.03     |
| Valeraldehyde            | 0.08     | 0.03     | 0.07     | 0.04     | 0.10     | 0.11     | 0.11     |
| Tolualdehydes            | 0.11     | 0.06     | 0.02     | 0.03     | 0.13     | 0.13     | 0.13     |
| Hexaldehyde              | 0.16     | 0.15     | 0.13     | 0.14     | 0.24     | 0.25     | 0.27     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20233 R2 | 20305   | 20427   | 20522   | 20620   | 20799   | 21036   |
|--------------------------|----------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/19/01  | 5/25/01 | 5/31/01 | 6/6/01  | 6/12/01 | 6/18/01 | 6/24/01 |
| ANALYSIS DATE            | 6/4/01   | 6/7/01  | VOID    | 6/21/01 | VOID    | 6/28/01 | 7/11/01 |
| FILE NAME                | Q1FD020  | Q1FG010 | VOID    | Q1FU008 | VOID    | Q1F!009 | Q1GK010 |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 5.99     | 1.89    |         | 3.04    |         | 4.68    | 2.32    |
| Acetaldehyde             | 2.66     | 1.19    |         | 1.57    |         | 3.81    | 0.07    |
| Acetone                  | 2.56     | 1.67    |         | 1.36    |         | 1.30    | 0.64    |
| Propionaldehyde          | 0.51     | 0.17    |         | 0.17    |         | 0.20    | 0.09    |
| Crotonaldehyde           | ND       | ND      |         | ND      |         | 0.34    | ND      |
| Butyr/Isobutyraldehyde   | 0.28     | 0.11    |         | 0.17    |         | 0.18    | 0.06    |
| Benzaldehyde             | 0.19     | 0.03    |         | 0.10    |         | 0.05    | 0.02    |
| Isovaleraldehyde         | 0.05     | 0.06    |         | 0.01    |         | 0.21    | 0.01    |
| Valeraldehyde            | 0.12     | 0.08    |         | 0.04    |         | 0.08    | 0.07    |
| Tolualdehydes            | 0.17     | 0.02    |         | 0.04    |         | 0.03    | 0.11    |
| Hexaldehyde              | 0.26     | 0.12    |         | 0.12    |         | 0.31    | 0.10    |
| 2,5-Dimethylbenzaldehyde | 0.02     | ND      |         | ND      |         | ND      | ND      |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21223   | 21344   | 21477   | 21593     | 21701   | 21820   | 21956   |
|--------------------------|---------|---------|---------|-----------|---------|---------|---------|
| SAMPLE DATE              | 6/30/01 | 7/6/01  | 7/12/01 | 7/18/01   | 7/24/01 | 7/30/01 | 8/5/01  |
| ANALYSIS DATE            | VOID    | 7/27/01 | 7/27/01 | 7/31/01   | 8/12/01 | 8/12/01 | 8/21/01 |
| FILE NAME                | VOID    | Q1G~007 | Q1GZ027 | **Q1G%020 | F1HK028 | F1HK033 | F1HU016 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv      | ppbv    | ppbv    | ppbv    |
| Formaldehyde             |         | 3.44    | 2.80    | 2.47      | 1.95    | 3.36    | 2.82    |
| Acetaldehyde             |         | 1.06    | 1.13    | ND        | 0.87    | 1.36    | 1.61    |
| Acetone                  |         | 1.07    | 1.05    | ND        | 0.58    | 0.27    | 0.76    |
| Propionaldehyde          |         | 0.20    | 0.18    | ND        | 0.08    | 0.11    | 0.14    |
| Crotonaldehyde           |         | 0.22    | 0.15    | 0.01      | ND      | 0.28    | ND      |
| Butyr/Isobutyraldehyde   |         | 0.07    | 0.10    | ND        | 0.08    | 0.14    | 0.07    |
| Benzaldehyde             |         | 0.03    | 0.03    | ND        | 0.06    | 0.05    | 0.06    |
| Isovaleraldehyde         |         | 0.01    | 0.02    | ND        | 0.02    | 0.04    | 0.05    |
| Valeraldehyde            |         | 0.03    | 0.03    | ND        | 0.03    | 0.05    | 0.04    |
| Tolualdehydes            |         | 0.05    | 0.04    | ND        | 0.06    | 0.05    | 0.06    |
| Hexaldehyde              |         | 0.14    | 0.11    | ND        | 0.08    | 0.09    | 0.10    |
| 2,5-Dimethylbenzaldehyde |         | ND      | ND      | ND        | ND      | ND      | ND      |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22070   | 22232 D1 | 22233 D2 | 22381   | 22466   | 22580   | 22728   |
|--------------------------|---------|----------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 8/11/01 | 8/17/01  | 8/17/01  | 8/23/01 | 8/29/01 | 9/4/01  | 9/10/01 |
| ANALYSIS DATE            | 8/27/01 | VOID     | VOID     | 8/31/01 | 9/26/01 | 9/29/01 | 9/28/01 |
| FILE NAME                | Q1H~009 | VOID     | VOID     | Q1H%010 | Q1IZ011 | F1I#012 | Q1IZ055 |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 2.54    |          |          | 2.38    | 2.87    | 1.88    | 1.45    |
| Acetaldehyde             | 2.32    |          |          | 1.21    | 1.39    | 0.90    | 5.94    |
| Acetone                  | 1.24    |          |          | 0.96    | 1.54    | 1.63    | 1.98    |
| Propionaldehyde          | 0.18    |          |          | 0.15    | 0.22    | 0.09    | 0.11    |
| Crotonaldehyde           | 0.11    |          |          | 0.17    | 0.17    | ND      | 0.09    |
| Butyr/Isobutyraldehyde   | 0.15    |          |          | 0.07    | 0.03    | 0.14    | 0.22    |
| Benzaldehyde             | 0.03    |          |          | 0.03    | 0.03    | 0.04    | 0.02    |
| Isovaleraldehyde         | 0.08    |          |          | 0.01    | ND      | 0.02    | 0.23    |
| Valeraldehyde            | 0.03    |          |          | 0.02    | 0.01    | 0.03    | 0.05    |
| Tolualdehydes            | 0.03    |          |          | 0.07    | 0.04    | 0.03    | 0.02    |
| Hexaldehyde              | 0.10    |          |          | 0.14    | 0.11    | 0.05    | 0.12    |
| 2,5-Dimethylbenzaldehyde | ND      |          |          | ND      | 0.00    | ND      | ND      |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22790 D1 | 22790 R1 | 22792 D2 | 22792 R2 | 22954    | 23147    | 23203    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/16/01  | 9/16/01  | 9/16/01  | 9/16/01  | 9/22/01  | 9/28/01  | 10/4/01  |
| ANALYSIS DATE            | 10/20/01 | 10/20/01 | 10/20/01 | 10/20/01 | 10/25/01 | 10/27/01 | 10/25/01 |
| FILE NAME                | F1JS027  | F1JS028  | F1JS029  | F1JS030  | Q1JX022  | F1JZ047  | Q1JX044  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.74     | 1.77     | 1.81     | 1.79     | 1.86     | 1.29     | 0.82     |
| Acetaldehyde             | 1.23     | 1.23     | 1.22     | 1.21     | 2.89     | 0.81     | 0.98     |
| Acetone                  | 1.68     | 1.68     | 1.88     | 1.86     | 1.89     | 2.27     | 1.71     |
| Propionaldehyde          | 0.15     | 0.14     | 0.14     | 0.14     | 0.15     | 0.09     | 0.11     |
| Crotonaldehyde           | 0.003    | 0.003    | 0.003    | 0.003    | 0.07     | ND       | 0.01     |
| Butyr/Isobutyraldehyde   | 0.18     | 0.18     | 0.19     | 0.18     | 0.19     | 0.18     | 0.11     |
| Benzaldehyde             | 0.04     | 0.04     | 0.03     | 0.04     | 0.02     | 0.02     | 0.01     |
| Isovaleraldehyde         | 0.03     | 0.03     | 0.03     | 0.03     | 0.19     | 0.005    | 0.04     |
| Valeraldehyde            | 0.03     | 0.03     | 0.03     | 0.03     | 0.04     | 0.03     | 0.02     |
| Tolualdehydes            | 0.03     | 0.03     | 0.03     | 0.03     | 0.04     | 0.01     | 0.03     |
| Hexaldehyde              | 0.05     | 0.04     | 0.04     | 0.04     | 0.07     | 0.04     | 0.05     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23326    | 23409    | 23531    | 23682    | 23776    | 23883    | 24004    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/10/01 | 10/16/01 | 10/22/01 | 10/28/01 | 11/3/01  | 11/9/01  | 11/15/01 |
| ANALYSIS DATE            | 11/5/01  | 11/3/01  | 11/10/01 | 11/13/01 | 11/14/01 | 11/20/01 | 11/28/01 |
| FILE NAME                | F1KE011  | F1KB014  | F1KH068  | F1KL012  | F1KL052  | F1KT019  | F1K!016  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.24     | 0.94     | 1.08     | 2.19     | 1.78     | 1.45     | 1.61     |
| Acetaldehyde             | 1.50     | 0.61     | 1.44     | 1.29     | 3.63     | 10.80*   | 4.88     |
| Acetone                  | 1.54     | 1.27     | 1.75     | 2.29     | 2.38     | 1.35     | 1.63     |
| Propionaldehyde          | 0.10     | 0.06     | 0.10     | 0.09     | 0.10     | 0.12     | 0.12     |
| Crotonaldehyde           | 0.003    | ND       | 0.003    | 0.003    | 0.01     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.18     | 0.10     | 0.19     | 0.12     | 0.25     | 0.58     | 0.30     |
| Benzaldehyde             | 0.02     | 0.01     | 0.02     | 0.02     | 0.03     | 0.05     | 0.04     |
| Isovaleraldehyde         | 0.02     | 0.002    | u        | 0.02     | 0.21     | 0.84     | 0.26     |
| Valeraldehyde            | 0.03     | 0.016    | 0.04     | 0.031    | 0.07     | 0.216    | 0.08     |
| Tolualdehydes            | 0.03     | 0.02     | 0.02     | 0.03     | 0.05     | 0.02     | 0.02     |
| Hexaldehyde              | 0.04     | 0.02     | 0.05     | 0.03     | 0.07     | 0.08     | 0.07     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | 0.003    | u        |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24107    | 24208    | 24364    | 24456   | 24611    | 24720    | 24779    |
|--------------------------|----------|----------|----------|---------|----------|----------|----------|
| SAMPLE DATE              | 11/21/01 | 11/27/01 | 12/3/01  | 12/9/01 | 12/15/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 12/3/01  | 12/12/01 | 12/12/01 | 1/8/02  | 1/15/02  | 1/17/02  | 1/18/02  |
| FILE NAME                | F1LC019  | F1LK026  | Q1LL017  | F2AG048 | F2AN033  | F2AQ008  | F2AQ023  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.52     | 0.80     | 1.27     | 1.10    | 0.75     | 1.14     | 0.95     |
| Acetaldehyde             | 5.98     | 3.51     | 1.73     | 0.76    | 0.55     | 0.76     | 0.59     |
| Acetone                  | 1.74     | 0.83     | 2.10     | 1.06    | 1.48     | 1.09     | 0.96     |
| Propionaldehyde          | 0.11     | 0.06     | 0.09     | 0.05    | 0.05     | 0.06     | 0.06     |
| Crotonaldehyde           | 0.01     | 0.005    | 0.02     | ND      | ND       | 0.003    | ND       |
| Butyr/Isobutyraldehyde   | 0.29     | 0.24     | 0.06     | 0.09    | 0.11     | 0.09     | 0.09     |
| Benzaldehyde             | 0.05     | 0.03     | 0.02     | 0.02    | 0.01     | 0.02     | 0.01     |
| Isovaleraldehyde         | 0.25     | 0.27     | 0.03     | 0.01    | 0.003    | 0.01     | 0.01     |
| Valeraldehyde            | 0.08     | 0.07     | 0.02     | 0.02    | 0.02     | 0.02     | 0.02     |
| Tolualdehydes            | 0.03     | 0.02     | 0.01     | 0.02    | 0.01     | 0.02     | 0.01     |
| Hexaldehyde              | 0.06     | 0.06     | 0.04     | 0.02    | 0.02     | 0.02     | 0.01     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND      | ND       | ND       | ND       |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 18990   | 19021    | 19061    | 19122   | 19165   | 19218   | 19251   |
|--------------------------|---------|----------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 1/1/01  | 1/7/01   | 1/13/01  | 1/19/01 | 1/25/01 | 1/31/01 | 2/6/01  |
| ANALYSIS DATE            | 1/29/01 | 1/30/01  | 1/30/01  | 2/7/01  | 2/9/01  | 2/14/01 | 2/14/01 |
| FILE NAME                | Q1A#011 | Q1A\$010 | Q1A\$011 | Q1BF033 | Q1BH017 | Q1BM017 | Q1BM038 |
| UNITS                    | ug/m3   | ug/m3    | ug/m3    | ug/m3   | ug/m3   | ug/m3   | ug/m3   |
| Formaldehyde             | 2.24    | 1.51     | 1.02     | 1.33    | 1.63    | 1.38    | 1.59    |
| Acetaldehyde             | 2.24    | 1.26     | 1.29     | 1.25    | 2.29    | 1.18    | 1.89    |
| Acetone                  | 2.55    | 1.60     | 3.21     | 1.74    | 1.79    | 2.51    | 2.96    |
| Propionaldehyde          | 0.38    | 0.22     | 0.28     | 0.23    | 0.24    | 0.26    | 0.33    |
| Crotonaldehyde           | 0.13    | 0.07     | 0.05     | 0.07    | 0.12    | 0.04    | 0.08    |
| Butyr/Isobutyraldehyde   | 0.32    | 0.17     | 0.21     | 0.16    | 0.21    | 0.19    | 0.23    |
| Benzaldehyde             | 0.11    | 0.06     | 0.07     | 0.07    | 0.11    | 0.06    | 0.10    |
| Isovaleraldehyde         | 0.15    | 0.03     | 0.03     | 0.02    | 0.11    | 0.02    | 0.04    |
| Valeraldehyde            | 0.12    | 0.07     | 0.12     | 0.06    | 0.07    | 0.09    | 0.10    |
| Tolualdehydes            | 0.24    | ND       | 0.02     | 0.12    | 0.18    | 0.08    | 0.06    |
| Hexaldehyde              | 0.15    | 0.27     | 0.29     | 0.17    | 0.14    | 0.21    | 0.13    |
| 2,5-Dimethylbenzaldehyde | ND      | ND       | ND       | 0.01    | u       | ND      | ND      |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19297 D1 | 19297 R1 | 19299 D2 | 19299 R2 | 19352 D1 | 19352 R1 | 19354 D2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 2/12/01  | 2/12/01  | 2/12/01  | 2/12/01  | 2/18/01  | 2/18/01  | 2/18/01  |
| ANALYSIS DATE            | 3/1/01   | 3/1/01   | 3/1/01   | 3/1/01   | 3/6/01   | 3/6/01   | 3/6/01   |
| FILE NAME                | Q1B!022  | Q1B!023  | Q1B!024  | Q1B!025  | Q1CE032  | Q1CE033  | Q1CE034  |
| UNITS                    | ug/m3    |
| Formaldehyde             | 1.69     | 1.65     | 1.66     | 1.65     | 1.52     | 2.02     | 1.63     |
| Acetaldehyde             | 3.51     | 3.47     | 3.38     | 3.38     | 8.48     | 8.59     | 8.70     |
| Acetone                  | 2.71     | 2.66     | 2.60     | 2.59     | 2.07     | 2.08     | 2.07     |
| Propionaldehyde          | 0.29     | 0.28     | 0.28     | 0.27     | 0.25     | 0.24     | 0.25     |
| Crotonaldehyde           | 0.14     | 0.12     | 0.07     | 0.09     | 0.09     | 0.10     | 0.08     |
| Butyr/Isobutyraldehyde   | 0.31     | 0.28     | 0.24     | 0.26     | 0.32     | 0.34     | 0.32     |
| Benzaldehyde             | 0.10     | 0.12     | 0.11     | 0.10     | 0.09     | 0.10     | 0.11     |
| Isovaleraldehyde         | 0.23     | 0.23     | 0.22     | 0.22     | 0.52     | 0.52     | 0.54     |
| Valeraldehyde            | 0.15     | 0.14     | 0.13     | 0.13     | 0.17     | 0.21     | 0.19     |
| Tolualdehydes            | 0.12     | 0.09     | 0.14     | 0.07     | 0.05     | ND       | 0.05     |
| Hexaldehyde              | 0.19     | 0.17     | 0.27     | 0.22     | 0.27     | 0.26     | 0.24     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19354 R2 | 19412   | 19455   | 19508   | 19557   | 19595   | 19666    |
|--------------------------|----------|---------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 2/18/01  | 2/24/01 | 3/2/01  | 3/8/01  | 3/14/01 | 3/20/01 | 3/26/01  |
| ANALYSIS DATE            | 3/6/01   | 4/9/01  | 4/11/01 | 4/17/01 | 4/17/01 | 4/19/01 | 5/1/01   |
| FILE NAME                | Q1CE035  | F1DI006 | F1DI037 | F1DP018 | F1DP046 | F1DS015 | F1D\$025 |
| UNITS                    | ug/m3    | ug/m3   | ug/m3   | ug/m3   | ug/m3   | ug/m3   | ug/m3    |
| Formaldehyde             | 1.64     | 0.87    | 1.71    | 1.74    | 1.28    | 2.17    | 1.89     |
| Acetaldehyde             | 8.79     | 1.15    | 1.85    | 1.46    | 4.05    | 2.37    | 1.32     |
| Acetone                  | 2.07     | 3.09    | 4.32    | 3.11    | 2.45    | 3.75    | 2.68     |
| Propionaldehyde          | 0.24     | 0.18    | 0.26    | 0.21    | 0.17    | 0.28    | 0.16     |
| Crotonaldehyde           | 0.09     | ND      | 0.01    | ND      | ND      | 0.004   | u ND     |
| Butyr/Isobutyraldehyde   | 0.34     | 0.28    | 0.42    | 0.30    | 0.33    | 0.40    | 0.24     |
| Benzaldehyde             | 0.11     | 0.07    | 0.11    | 0.07    | 0.09    | 0.19    | 0.06     |
| Isovaleraldehyde         | 0.54     | 0.05    | 0.13    | ND      | ND      | 0.13    | ND       |
| Valeraldehyde            | 0.17     | 0.14    | 0.15    | 0.10    | 0.13    | 0.16    | 0.08     |
| Tolualdehydes            | 0.05     | 0.09    | 0.12    | 0.05    | 0.09    | 0.11    | 0.01     |
| Hexaldehyde              | 0.27     | 0.40    | 0.34    | 0.18    | 0.42    | 0.32    | 0.15     |
| 2,5-Dimethylbenzaldehyde | ND       | ND      | ND      | ND      | ND      | ND      | ND       |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19748    | 19783   | 19805   | 19855   | 19934   | 19977   | 20075   |
|--------------------------|----------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 4/1/01   | 4/7/01  | 4/13/01 | 4/19/01 | 4/25/01 | 5/1/01  | 5/7/01  |
| ANALYSIS DATE            | 5/1/01   | 5/8/01  | 5/8/01  | 5/16/01 | 5/18/01 | 5/18/01 | 5/29/01 |
| FILE NAME                | F1D\$043 | F1EG015 | F1EG036 | Q1EO038 | Q1EQ018 | Q1EQ033 | Q1E#011 |
| UNITS                    | ug/m3    | ug/m3   | ug/m3   | ug/m3   | ug/m3   | ug/m3   | ug/m3   |
| Formaldehyde             | 2.08     | 2.02    | 1.80    | 3.53    | 2.07    | 4.82    | 1.45    |
| Acetaldehyde             | 2.28     | 7.04    | 2.74    | 1.95    | 2.69    | 6.93    | 2.03    |
| Acetone                  | 2.95     | 1.99    | 2.97    | 3.33    | 3.05    | 3.56    | 2.17    |
| Propionaldehyde          | 0.19     | 0.30    | 0.21    | 0.45    | 0.34    | 0.57    | 0.21    |
| Crotonaldehyde           | ND       | 0.01    | 0.002   | u       | 0.19    | 0.10    | 0.28    |
| Butyr/Isobutyraldehyde   | 0.33     | 1.06    | 0.46    | 0.40    | 0.30    | 4.72    | 0.19    |
| Benzaldehyde             | 0.09     | 0.25    | 0.23    | 0.09    | 0.16    | 0.19    | 0.08    |
| Isovaleraldehyde         | ND       | 1.62    | 0.31    | 0.02    | 0.23    | 0.31    | 0.04    |
| Valeraldehyde            | 0.15     | 0.16    | 0.22    | 0.18    | 0.26    | 0.42    | 0.13    |
| Tolualdehydes            | 0.06     | 0.02    | 0.26    | 0.13    | 0.32    | 0.18    | 0.01    |
| Hexaldehyde              | 0.30     | 0.68    | 0.38    | 0.43    | 0.44    | 1.16    | 0.39    |
| 2,5-Dimethylbenzaldehyde | ND       | ND      | ND      | ND      | 0.004   | u       | ND      |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20115 D1 | 20115 R1 | 20117 D2 | 20117 R2 | 20231 D1 | 20231 R1 | 20233 D2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 5/13/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/19/01  | 5/19/01  | 5/19/01  |
| ANALYSIS DATE            | 5/30/01  | 5/30/01  | 5/30/01  | 5/30/01  | 6/4/01   | 6/4/01   | 6/4/01   |
| FILE NAME                | Q1E#041  | Q1E#042  | Q1E#043  | Q1E#044  | Q1FD016  | Q1FD017  | Q1FD019  |
| UNITS                    | ug/m3    |
| Formaldehyde             | 2.60     | 2.55     | 2.70     | 2.58     | 8.19     | 8.38     | 7.63     |
| Acetaldehyde             | 1.59     | 1.56     | 1.58     | 1.59     | 5.13     | 5.17     | 4.76     |
| Acetone                  | 2.97     | 2.94     | 2.98     | 2.99     | 6.35     | 6.37     | 6.37     |
| Propionaldehyde          | 0.39     | 0.44     | 0.40     | 0.38     | 1.47     | 1.40     | 1.22     |
| Crotonaldehyde           | 0.12     | 0.147    | 0.11     | 0.13     | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.21     | 0.24     | 0.19     | 0.23     | 0.94     | 0.94     | 0.88     |
| Benzaldehyde             | 0.20     | 0.17     | 0.49     | 0.17     | 0.80     | 0.88     | 0.72     |
| Isovaleraldehyde         | 0.03     | 0.01     | u        | 0.07     | 0.005    | u        | 0.13     |
| Valeraldehyde            | 0.28     | 0.11     | 0.26     | 0.15     | 0.37     | 0.39     | 0.39     |
| Tolualdehydes            | 0.54     | 0.32     | 0.12     | 0.14     | 0.65     | 0.66     | 0.63     |
| Hexaldehyde              | 0.65     | 0.60     | 0.54     | 0.58     | 1.01     | 1.01     | 1.11     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20233 R2 | 20305   | 20427   | 20522   | 20620   | 20799   | 21036   |
|--------------------------|----------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/19/01  | 5/25/01 | 5/31/01 | 6/6/01  | 6/12/01 | 6/18/01 | 6/24/01 |
| ANALYSIS DATE            | 6/4/01   | 6/7/01  | VOID    | 6/21/01 | VOID    | 6/28/01 | 7/11/01 |
| FILE NAME                | Q1FD020  | Q1FG010 | VOID    | Q1FU008 | VOID    | Q1F!009 | Q1GK010 |
| UNITS                    | ug/m3    | ug/m3   | ug/m3   | ug/m3   | ug/m3   | ug/m3   | ug/m3   |
| Formaldehyde             | 7.38     | 2.33    |         | 3.74    |         | 5.77    | 2.86    |
| Acetaldehyde             | 4.80     | 2.15    |         | 2.84    |         | 6.87    | 0.12    |
| Acetone                  | 6.09     | 3.97    |         | 3.24    |         | 3.08    | 1.52    |
| Propionaldehyde          | 1.21     | 0.40    |         | 0.41    |         | 0.49    | 0.21    |
| Crotonaldehyde           | ND       | ND      |         | ND      |         | 0.98    | ND      |
| Butyr/Isobutyraldehyde   | 0.83     | 0.32    |         | 0.50    |         | 0.54    | 0.18    |
| Benzaldehyde             | 0.81     | 0.15    |         | 0.45    |         | 0.23    | 0.09    |
| Isovaleraldehyde         | 0.18     | 0.20    |         | 0.04    |         | 0.73    | 0.04    |
| Valeraldehyde            | 0.42     | 0.29    |         | 0.13    |         | 0.30    | 0.24    |
| Tolualdehydes            | 0.86     | 0.08    |         | 0.20    |         | 0.13    | 0.52    |
| Hexaldehyde              | 1.08     | 0.50    |         | 0.50    |         | 1.29    | 0.40    |
| 2,5-Dimethylbenzaldehyde | 0.10     | ND      |         | ND      |         | ND      | ND      |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21223   | 21344   | 21477   | 21593     | 21701   | 21820   | 21956   |
|--------------------------|---------|---------|---------|-----------|---------|---------|---------|
| SAMPLE DATE              | 6/30/01 | 7/6/01  | 7/12/01 | 7/18/01   | 7/24/01 | 7/30/01 | 8/5/01  |
| ANALYSIS DATE            | VOID    | 7/27/01 | 7/27/01 | 7/31/01   | 8/12/01 | 8/12/01 | 8/21/01 |
| FILE NAME                | VOID    | Q1G~007 | Q1GZ027 | **Q1G%020 | F1HK028 | F1HK033 | F1HU016 |
| UNITS                    | ug/m3   | ug/m3   | ug/m3   | ug/m3     | ug/m3   | ug/m3   | ug/m3   |
| Formaldehyde             |         | 4.24    | 3.45    | 3.04      | 2.41    | 4.14    | 3.48    |
| Acetaldehyde             |         | 1.91    | 2.04    | ND        | 1.57    | 2.45    | 2.90    |
| Acetone                  |         | 2.54    | 2.51    | ND        | 1.39    | 0.65    | 1.80    |
| Propionaldehyde          |         | 0.48    | 0.42    | ND        | 0.19    | 0.27    | 0.33    |
| Crotonaldehyde           |         | 0.64    | 0.44    | 0.02      | ND      | 0.80    | ND      |
| Butyr/Isobutyraldehyde   |         | 0.22    | 0.30    | ND        | 0.24    | 0.41    | 0.22    |
| Benzaldehyde             |         | 0.15    | 0.14    | ND        | 0.26    | 0.21    | 0.26    |
| Isovaleraldehyde         |         | 0.03    | 0.07    | ND        | 0.07    | 0.13    | 0.17    |
| Valeraldehyde            |         | 0.09    | 0.10    | ND        | 0.11    | 0.17    | 0.14    |
| Tolualdehydes            |         | 0.22    | 0.22    | ND        | 0.28    | 0.27    | 0.29    |
| Hexaldehyde              |         | 0.58    | 0.46    | ND        | 0.33    | 0.38    | 0.42    |
| 2,5-Dimethylbenzaldehyde |         | ND      | ND      | ND        | ND      | ND      | ND      |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22070   | 22232 D1 | 22233 D2 | 22381   | 22466   | 22580   | 22728   |
|--------------------------|---------|----------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 8/11/01 | 8/17/01  | 8/17/01  | 8/23/01 | 8/29/01 | 9/4/01  | 9/10/01 |
| ANALYSIS DATE            | 8/27/01 | VOID     | VOID     | 8/31/01 | 9/26/01 | 9/29/01 | 9/28/01 |
| FILE NAME                | Q1H~009 | VOID     | VOID     | Q1H%010 | Q1I#011 | F1I#012 | Q1I#055 |
| UNITS                    | ug/m3   | ug/m3    | ug/m3    | ug/m3   | ug/m3   | ug/m3   | ug/m3   |
| Formaldehyde             | 3.13    |          |          | 2.93    | 3.53    | 2.32    | 1.79    |
| Acetaldehyde             | 4.19    |          |          | 2.19    | 2.51    | 1.63    | 10.72   |
| Acetone                  | 2.96    |          |          | 2.28    | 3.66    | 3.87    | 4.72    |
| Propionaldehyde          | 0.44    |          |          | 0.35    | 0.52    | 0.21    | 0.25    |
| Crotonaldehyde           | 0.32    |          |          | 0.48    | 0.48    | ND      | 0.25    |
| Butyr/Isobutyraldehyde   | 0.43    |          |          | 0.22    | 0.09    | 0.42    | 0.66    |
| Benzaldehyde             | 0.14    |          |          | 0.12    | 0.11    | 0.16    | 0.09    |
| Isovaleraldehyde         | 0.29    |          |          | 0.03    | ND      | 0.07    | 0.83    |
| Valeraldehyde            | 0.12    |          |          | 0.06    | 0.04    | 0.10    | 0.17    |
| Tolualdehydes            | 0.16    |          |          | 0.34    | 0.20    | 0.16    | 0.08    |
| Hexaldehyde              | 0.42    |          |          | 0.59    | 0.43    | 0.19    | 0.48    |
| 2,5-Dimethylbenzaldehyde | ND      |          |          | ND      | 0.03    | ND      | ND      |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22790 D1 | 22790 R1 | 22792 D2 | 22792 R2 | 22954    | 23147    | 23203    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/16/01  | 9/16/01  | 9/16/01  | 9/16/01  | 9/22/01  | 9/28/01  | 10/4/01  |
| ANALYSIS DATE            | 10/20/01 | 10/20/01 | 10/20/01 | 10/20/01 | 10/25/01 | 10/27/01 | 10/25/01 |
| FILE NAME                | F1JS027  | F1JS028  | F1JS029  | F1JS030  | Q1JX022  | F1JZ047  | Q1JX044  |
| UNITS                    | ug/m3    |
| Formaldehyde             | 2.15     | 2.18     | 2.24     | 2.21     | 2.29     | 1.59     | 1.01     |
| Acetaldehyde             | 2.21     | 2.23     | 2.20     | 2.18     | 5.21     | 1.46     | 1.76     |
| Acetone                  | 4.01     | 4.00     | 4.47     | 4.43     | 4.50     | 5.40     | 4.07     |
| Propionaldehyde          | 0.35     | 0.33     | 0.32     | 0.32     | 0.36     | 0.22     | 0.26     |
| Crotonaldehyde           | 0.008    | 0.008    | 0.009    | 0.009    | 0.20     | ND       | 0.04     |
| Butyr/Isobutyraldehyde   | 0.55     | 0.54     | 0.56     | 0.53     | 0.57     | 0.54     | 0.32     |
| Benzaldehyde             | 0.17     | 0.17     | 0.15     | 0.17     | 0.10     | 0.08     | 0.03     |
| Isovaleraldehyde         | 0.10     | 0.09     | 0.09     | 0.09     | 0.67     | 0.02     | 0.13     |
| Valeraldehyde            | 0.12     | 0.12     | 0.11     | 0.12     | 0.15     | 0.09     | 0.08     |
| Tolualdehydes            | 0.13     | 0.13     | 0.14     | 0.14     | 0.18     | 0.07     | 0.14     |
| Hexaldehyde              | 0.19     | 0.18     | 0.16     | 0.16     | 0.28     | 0.14     | 0.20     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23326    | 23409    | 23531    | 23682    | 23776    | 23883    | 24004    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/10/01 | 10/16/01 | 10/22/01 | 10/28/01 | 11/3/01  | 11/9/01  | 11/15/01 |
| ANALYSIS DATE            | 11/5/01  | 11/3/01  | 11/10/01 | 11/13/01 | 11/14/01 | 11/20/01 | 11/28/01 |
| FILE NAME                | F1KE011  | F1KB014  | F1KH068  | F1KL012  | F1KL052  | F1KT019  | F1KI016  |
| UNITS                    | ug/m3    |
| Formaldehyde             | 1.53     | 1.15     | 1.33     | 2.70     | 2.20     | 1.79     | 1.98     |
| Acetaldehyde             | 2.70     | 1.11     | 2.60     | 2.34     | 6.55     | 19.50*   | 8.82     |
| Acetone                  | 3.67     | 3.03     | 4.16     | 5.45     | 5.66     | 3.21     | 3.87     |
| Propionaldehyde          | 0.25     | 0.14     | 0.24     | 0.20     | 0.25     | 0.27     | 0.30     |
| Crotonaldehyde           | 0.01     | ND       | 0.01     | 0.01     | 0.02     | 0.03     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.54     | 0.29     | 0.57     | 0.36     | 0.75     | 1.70     | 0.88     |
| Benzaldehyde             | 0.10     | 0.06     | 0.08     | 0.08     | 0.11     | 0.21     | 0.19     |
| Isovaleraldehyde         | 0.08     | 0.01     | u        | 0.07     | 0.06     | 0.73     | 2.98     |
| Valeraldehyde            | 0.10     | 0.05     | 0.14     | 0.11     | 0.23     | 0.76     | 0.28     |
| Tolualdehydes            | 0.12     | 0.12     | 0.11     | 0.15     | 0.23     | 0.11     | 0.11     |
| Hexaldehyde              | 0.17     | 0.07     | 0.21     | 0.13     | 0.27     | 0.34     | 0.31     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | 0.02     | u        |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24107    | 24208    | 24364    | 24456   | 24611    | 24720    | 24779   |
|--------------------------|----------|----------|----------|---------|----------|----------|---------|
| SAMPLE DATE              | 11/21/01 | 11/27/01 | 12/3/01  | 12/9/01 | 12/15/01 | 12/21/01 | 1/27/01 |
| ANALYSIS DATE            | 12/3/01  | 12/12/01 | 12/12/01 | 1/8/02  | 1/15/02  | 1/17/02  | 1/18/02 |
| FILE NAME                | F1LC019  | F1LK026  | Q1LL017  | F2AG048 | F2AN033  | F2AQ008  | F2AQ023 |
| UNITS                    | ug/m3    | ug/m3    | ug/m3    | ug/m3   | ug/m3    | ug/m3    | ug/m3   |
| Formaldehyde             | 1.88     | 0.99     | 1.57     | 1.36    | 0.93     | 1.41     | 1.17    |
| Acetaldehyde             | 10.79    | 6.34     | 3.12     | 1.38    | 0.99     | 1.37     | 1.07    |
| Acetone                  | 4.15     | 1.98     | 4.99     | 2.53    | 3.53     | 2.61     | 2.29    |
| Propionaldehyde          | 0.27     | 0.15     | 0.22     | 0.13    | 0.12     | 0.15     | 0.13    |
| Crotonaldehyde           | 0.03     | 0.01     | 0.07     | ND      | ND       | 0.01     | ND      |
| Butyr/Isobutyraldehyde   | 0.87     | 0.72     | 0.17     | 0.25    | 0.32     | 0.27     | 0.25    |
| Benzaldehyde             | 0.21     | 0.13     | 0.07     | 0.07    | 0.05     | 0.09     | 0.06    |
| Isovaleraldehyde         | 0.89     | 0.96     | 0.11     | 0.02    | 0.01     | 0.04     | 0.04    |
| Valeraldehyde            | 0.27     | 0.25     | 0.07     | 0.05    | 0.06     | 0.07     | 0.06    |
| Tolualdehydes            | 0.13     | 0.07     | 0.06     | 0.10    | 0.07     | 0.09     | 0.07    |
| Hexaldehyde              | 0.23     | 0.24     | 0.15     | 0.08    | 0.09     | 0.07     | 0.06    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND      | ND       | ND       | ND      |

u - Concentration is below detection limit

\*\* - Sample diluted 10X due to high moisture content in the cartridge.

\* - Compound diluted 2X.

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID                    | Q1BF032  | Q1BM018  | Q1BM039  | F1DI007  | F1DP018  | F1D\$025 | F1EG037  | Q1EQ039  | Q1E#012  |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ERG Sample ID                   | 19123 FB | 19219 FB | 19252 FB | 19413 FB | 19509 FB | 19667 FB | 19806 FB | 19856 FB | 20074 FB |
| Date Sampled                    | 1/19/01  | 1/31/01  | 2/6/01   | 2/24/01  | 3/8/01   | 3/26/01  | 4/13/01  | 4/19/01  | 5/7/01   |
| Date Analyzed                   | 2/7/01   | 2/14/01  | 2/14/01  | 4/9/01   | 4/17/01  | 5/1/01   | 5/8/01   | 5/16/01  | 5/29/01  |
| <b>Formaldehyde</b>             | 0.04     | 0.09     | 0.03     | 0.01     | 0.01     | 0.03     | 0.01     | 0.03     | 0.03     |
| <b>Acetaldehyde</b>             | 0.03     | 0.11     | 0.09     | 0.11     | 0.09     | 0.07     | 0.10     | 0.02     | 0.03     |
| <b>Acetone</b>                  | 0.12     | 0.35     | 0.10     | 0.10     | 0.08     | 0.11     | 0.12     | 0.11     | 0.10     |
| <b>Propionaldehyde</b>          | ND       | 0.02     | 0.00     | ND       | ND       | 0.01     | 0.00     | ND       | ND       |
| <b>Crotonaldehyde</b>           | ND       | ND       | 0.00     | ND       | ND       | ND       | ND       | ND       | ND       |
| <b>Butyraldehyde</b>            | ND       | 0.00     | ND       | 0.01     | 0.02     | 0.01     | ND       | ND       | ND       |
| <b>Benzaldehyde</b>             | 0.02     | 0.01     | 0.01     | 0.03     | 0.00     | ND       | 0.04     | ND       | ND       |
| <b>Isovaleraldehyde</b>         | ND       | 0.01     | ND       | 0.01     | ND       | ND       | ND       | ND       | ND       |
| <b>Valeraldehyde</b>            | ND       | ND       | ND       | ND       | 0.001    | 0.006    | 0.004    | ND       | ND       |
| <b>Tolualdehydes</b>            | 0.04     | ND       |
| <b>Hexaldehyde</b>              | 0.04     | 0.06     | ND       | 0.02     | 0.03     | 0.05     | 0.05     | 0.00     | ND       |
| <b>2,5-Dimethylbenzaldehyde</b> | ND       |

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID                    | Q1FG011  | Q1FU024  | Q1GR015  | Q1G%019  | F1HK027  | Q1H-008  | Q1IZ010  | F1I#011 | Q1JX021  |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|---------|----------|
| ERG Sample ID                   | 20304 FB | 20619 FB | 21222 FB | 21592 FB | 21700 FB | 22069 FB | 22465 FB | 22579   | 22953    |
| Date Sampled                    | 5/25/01  | 6/12/01  | 6/30/01  | 7/18/01  | 7/24/01  | 8/11/01  | 8/29/01  | 9/4/01  | 9/22/01  |
| Date Analyzed                   | 6/7/01   | 6/22/01  | 7/18/01  | 7/31/01  | 8/12/01  | 8/27/01  | 9/26/01  | 9/29/01 | 10/25/01 |
| <b>Formaldehyde</b>             | 0.05     | 0.04     | 0.02     | 0.01     | 0.04     | 0.03     | 0.06     | 0.04    | 0.02     |
| <b>Acetaldehyde</b>             | 0.06     | 0.06     | 0.13     | 0.05     | 0.09     | 0.11     | 0.10     | 0.15    | 0.01     |
| <b>Acetone</b>                  | 0.24     | 0.20     | 0.18     | 0.11     | 0.14     | 0.13     | 0.30     | 0.28    | 0.23     |
| <b>Propionaldehyde</b>          | ND       | ND       | ND       | ND       | 0.15     | ND       | ND       | 0.01    | ND       |
| <b>Crotonaldehyde</b>           | ND       | ND       | ND       | ND       | 0.01     | ND       | ND       | ND      | ND       |
| <b>Butyraldehyde</b>            | ND       | ND       | 0.00     | ND       | 0.03     | ND       | ND       | 0.09    | ND       |
| <b>Benzaldehyde</b>             | ND       | ND       | ND       | ND       | 0.02     | ND       | ND       | 0.02    | ND       |
| <b>Isovaleraldehyde</b>         | ND       | ND       | ND       | ND       | 0.01     | ND       | ND       | ND      | ND       |
| <b>Valeraldehyde</b>            | ND       | ND       | ND       | ND       | 0.014    | ND       | ND       | ND      | ND       |
| <b>Tolualdehydes</b>            | 0.06     | ND       | ND       | 0.01     | 0.06     | 0.02     | 0.06     | 0.02    | 0.01     |
| <b>Hexaldehyde</b>              | ND       | ND       | 0.04     | 0.01     | 0.03     | 0.01     | 0.03     | 0.01    | 0.02     |
| <b>2,5-Dimethylbenzaldehyde</b> | ND       | ND      | ND       |

# Cedar Rapids, Iowa (CRIA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | Q1JX043  | F1KH067  | F1KT018  | F1LK025  | F2AG047 | F2AN032  |
|--------------------------|----------|----------|----------|----------|---------|----------|
| ERG Sample ID            | 23202    | 23530    | 23882    | 24207    | 24455   | 24610    |
| Date Sampled             | 10/4/01  | 10/22/01 | 11/9/01  | 11/27/01 | 12/9/01 | 12/15/01 |
| Date Analyzed            | 10/25/01 | 1/10/01  | 11/20/01 | 12/11/01 | 1/8/02  | 1/15/02  |
| Formaldehyde             | 0.04     | 0.04     | 0.05     | 0.04     | 0.04    | 0.06     |
| Acetaldehyde             | 0.00     | 0.03     | 0.06     | 0.02     | 0.03    | 0.04     |
| Acetone                  | 0.19     | 0.20     | 0.20     | 0.21     | 0.29    | 0.29     |
| Propionaldehyde          | ND       | ND       | 0.01     | ND       | ND      | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND      | ND       |
| Butyraldehyde            | ND       | 0.22     | 0.16     | 0.08     | 0.14    | 0.08     |
| Benzaldehyde             | ND       | 0.01     | 0.02     | 0.01     | 0.01    | 0.01     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | ND       |
| Valeraldehyde            | ND       | 0.017    | ND       | ND       | ND      | ND       |
| Tolualdehydes            | 0.11     | 0.04     | 0.06     | 0.01     | 0.00    | 0.01     |
| Hexaldehyde              | 0.03     | 0.01     | 0.02     | 0.01     | 0.01    | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND      | ND       |

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19007    | 19025    | 19057    | 19063   | 19079    | 19119   | 19141   |
|--------------------------|----------|----------|----------|---------|----------|---------|---------|
| SAMPLE DATE              | 1/4/01   | 1/7/01   | 1/10/01  | 1/13/01 | 1/16/01  | 1/19/01 | 1/22/01 |
| ANALYSIS DATE            | 1/30/01  | 1/30/01  | 1/30/01  | VOID    | 1/30/01  | 2/7/01  | 2/9/01  |
| FILE NAME                | Q1A\$005 | Q1A\$006 | Q1A\$007 | VOID    | Q1A\$009 | Q1BF026 | Q1BH016 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 0.66     | 0.40     | 3.21     |         | 0.26     | 0.48    | 1.41    |
| Acetaldehyde             | 0.72     | 0.23     | 2.54     |         | 0.16     | 0.32    | 1.91    |
| Acetone                  | 0.68     | 0.33     | 2.83     |         | 0.35     | 0.52    | 1.17    |
| Propionaldehyde          | 0.08     | 0.02     | 0.35     |         | 0.02     | 0.04    | 0.14    |
| Crotonaldehyde           | 0.02     | 0.05     | 0.06     |         | ND       | ND      | ND      |
| Butyr/Isobutyraldehyde   | 0.06     | 0.03     | 0.17     |         | ND       | 0.06    | 0.18    |
| Benzaldehyde             | 0.03     | 0.01     | 0.09     |         | 0.004    | 0.02    | 0.05    |
| Isovaleraldehyde         | ND       | ND       | ND       |         | ND       | ND      | 0.12    |
| Valeraldehyde            | 0.06     | 0.02     | 0.04     |         | 0.01     | 0.01    | 0.05    |
| Tolualdehydes            | 0.04     | 0.02     | 0.09     |         | 0.01     | 0.02    | 0.05    |
| Hexaldehyde              | 0.13     | 0.05     | 0.11     |         | 0.04     | 0.06    | 0.14    |
| 2,5-Dimethylbenzaldehyde | ND       | 0.01     | 0.0034   |         | ND       | ND      | ND      |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19167   | 19177   | 19216   | 19234   | 19245   | 19294   | 19301 D1 |
|--------------------------|---------|---------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 1/25/01 | 1/28/01 | 1/31/01 | 2/3/01  | 2/6/01  | 2/10/01 | 2/12/01  |
| ANALYSIS DATE            | 2/9/01  | 2/9/01  | 2/14/01 | 2/14/01 | 2/14/01 | 2/28/01 | 3/1/01   |
| FILE NAME                | Q1BH022 | Q1BH024 | Q1BM019 | Q1BM032 | Q1BM036 | Q1B!005 | Q1B!018  |
| UNITS                    | ppbv     |
| Formaldehyde             | 0.90    | 1.25    | 0.73    | 1.12    | 0.90    | 0.93    | 1.12     |
| Acetaldehyde             | 0.94    | 1.26    | 0.47    | 2.27    | 0.74    | 0.56    | 1.49     |
| Acetone                  | 0.74    | 0.83    | 1.03    | 1.01    | 1.06    | 0.72    | 1.09     |
| Propionaldehyde          | 0.09    | 0.09    | 0.04    | 0.15    | 0.76    | 0.06    | 0.05     |
| Crotonaldehyde           | 0.02    | 0.03    | 0.01    | 0.04    | ND      | 0.03    | 0.02     |
| Butyr/Isobutyraldehyde   | 0.11    | 0.09    | 0.02    | 0.32    | 0.05    | 0.05    | 0.15     |
| Benzaldehyde             | 0.03    | 0.03    | 0.02    | 0.04    | 0.02    | 0.02    | 0.03     |
| Isovaleraldehyde         | 0.09    | 0.05    | ND      | 0.38    | 0.01    | 0.01    | 0.11     |
| Valeraldehyde            | 0.03    | 0.04    | 0.01    | 0.05    | 0.02    | 0.004   | 0.01     |
| Tolualdehydes            | 0.04    | 0.02    | 0.01    | 0.05    | 0.02    | 0.02    | 0.02     |
| Hexaldehyde              | 0.09    | 0.14    | 0.12    | 0.13    | 0.05    | 0.09    | 0.15     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | ND      | 0.01    | 0.02    | 0.02     |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19301 R1 | 19303 D2 | 19303 R2 | 19346   | 19348 D1 | 19348 R1 | 19350 D2 |
|--------------------------|----------|----------|----------|---------|----------|----------|----------|
| SAMPLE DATE              | 2/12/01  | 2/12/01  | 2/12/01  | 2/15/01 | 2/18/01  | 2/18/01  | 2/18/01  |
| ANALYSIS DATE            | 3/1/01   | 3/1/01   | 3/1/01   | 2/28/01 | 3/6/01   | 3/6/01   | 3/6/01   |
| FILE NAME                | Q1B!019  | Q1B!020  | Q1B!021  | Q1B!008 | Q1CE028  | Q1CE029  | Q1CE030  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.10     | 1.06     | 1.07     | 0.50    | 0.56     | 0.54     | 0.57     |
| Acetaldehyde             | 1.46     | 1.41     | 1.44     | 0.40    | 0.47     | 0.44     | 0.45     |
| Acetone                  | 1.07     | 1.06     | 1.06     | 0.93    | 0.51     | 0.50     | 0.48     |
| Propionaldehyde          | 0.05     | 0.05     | 0.05     | 0.04    | 0.02     | 0.03     | 0.02     |
| Crotonaldehyde           | 0.02     | 0.02     | 0.02     | 0.01    | 0.01     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.15     | 0.15     | 0.15     | 0.02    | 0.07     | 0.07     | 0.07     |
| Benzaldehyde             | 0.03     | 0.03     | 0.03     | 0.01    | 0.02     | 0.01     | 0.01     |
| Isovaleraldehyde         | 0.11     | 0.11     | 0.11     | ND      | 0.01     | 0.02     | 0.01     |
| Valeraldehyde            | 0.02     | 0.03     | 0.03     | 0.01    | ND       | ND       | ND       |
| Tolualdehydes            | 0.01     | 0.01     | 0.01     | 0.01    | 0.01     | 0.01     | 0.02     |
| Hexaldehyde              | 0.15     | 0.14     | 0.14     | 0.07    | 0.07     | 0.07     | 0.06     |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.02     | 0.02     | ND      | 0.01     | 0.01     | 0.01     |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19350 R2 | 19397   | 19409   | 19444   | 19457   | 19475   | 19511   |
|--------------------------|----------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 2/18/01  | 2/21/01 | 2/24/01 | 2/27/01 | 3/2/01  | 3/5/01  | 3/8/01  |
| ANALYSIS DATE            | 3/6/01   | 3/13/01 | 3/13/01 | 4/11/01 | 4/12/01 | 4/17/01 | 4/17/01 |
| FILE NAME                | Q1CE031  | Q1CL015 | Q1CL020 | F1DI028 | F1DI038 | F1DP014 | F1CP020 |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 0.58     | 0.76    | 0.78    | 0.56    | 1.48    | 0.63    | 0.53    |
| Acetaldehyde             | 0.46     | 0.54    | 0.71    | 0.43    | 0.74    | 0.50    | 0.42    |
| Acetone                  | 0.51     | 0.77    | 1.34    | 0.73    | 1.59    | 0.93    | 1.01    |
| Propionaldehyde          | 0.02     | 0.05    | 0.09    | 0.02    | ND      | 0.02    | 0.02    |
| Crotonaldehyde           | 0.02     | 0.02    | 0.01    | 0.001u  | 0.003   | 0.004   | ND      |
| Butyr/Isobutyraldehyde   | 0.08     | 0.03    | 0.08    | 0.08    | 0.13    | 0.07    | 0.05    |
| Benzaldehyde             | 0.01     | 0.02    | 0.02    | 0.01    | 0.03    | 0.01    | 0.01    |
| Isovaleraldehyde         | 0.01     | ND      | 0.05    | 0.02    | ND      | ND      | ND      |
| Valeraldehyde            | ND       | 0.00    | 0.02    | 0.01    | 0.004   | 0.01    | 0.01    |
| Tolualdehydes            | 0.01     | 0.03    | 0.03    | 0.02    | 0.01    | 0.01    | 0.004   |
| Hexaldehyde              | 0.07     | 0.10    | 0.09    | 0.02    | 0.02    | 0.02    | 0.02    |
| 2,5-Dimethylbenzaldehyde | 0.01     | ND      | ND      | ND      | ND      | 0.0034  | ND      |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19514   | 19559   | 19574   | 19593   | 19624   | 19669    | 19742    |
|--------------------------|---------|---------|---------|---------|---------|----------|----------|
| SAMPLE DATE              | 3/11/01 | 3/14/01 | 3/17/01 | 3/20/01 | 3/23/01 | 3/26/01  | 3/29/01  |
| ANALYSIS DATE            | 4/17/01 | 4/17/01 | 4/17/01 | 4/19/01 | 4/20/01 | 5/1/01   | 5/1/01   |
| FILE NAME                | F1DP024 | F1DP047 | F1DP043 | F1DS016 | F1DS025 | F1D\$027 | F1D\$036 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 0.91    | 1.00    | 1.00    | 1.36    | 0.59    | 0.59     | 1.23     |
| Acetaldehyde             | 0.66    | 1.66    | 0.69    | 1.09    | 0.54    | 0.45     | 1.21     |
| Acetone                  | 1.33    | 0.68    | 1.28    | 1.22    | 1.14    | 0.98     | 4.03     |
| Propionaldehyde          | 0.02    | 0.04    | 0.03    | 0.05    | 0.01    | ND       | ND       |
| Crotonaldehyde           | ND      | 0.001u  | ND      | 0.0023  | ND      | ND       | 0.003    |
| Butyr/Isobutyraldehyde   | 0.06    | 0.08    | 0.05    | 0.07    | 0.04    | 0.05     | 0.07     |
| Benzaldehyde             | 0.01    | 0.02    | 0.01    | 0.03    | 0.01    | 0.01     | 0.02     |
| Isovaleraldehyde         | ND      | ND      | ND      | ND      | ND      | ND       | ND       |
| Valeraldehyde            | 0.01    | 0.02    | 0.01    | 0.04    | 0.02    | 0.01     | 0.04     |
| Tolualdehydes            | 0.01    | 0.02    | 0.003   | 0.02    | 0.01    | 0.01     | 0.02     |
| Hexaldehyde              | 0.02    | 0.03    | 0.02    | 0.03    | 0.01    | 0.02     | 0.06     |
| 2,5-Dimethylbenzaldehyde | ND      | 0.001u  | 0.001u  | ND      | ND      | ND       | 0.0032   |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19767 D1 | 19767 R1 | 19769 D2 | 19769 R2 | 19785   | 19794   | 19802   |
|--------------------------|----------|----------|----------|----------|---------|---------|---------|
| SAMPLE DATE              | 4/4/01   | 4/4/01   | 4/4/01   | 4/4/01   | 4/7/01  | 4/10/01 | 4/13/01 |
| ANALYSIS DATE            | 5/8/01   | 5/8/01   | 5/8/01   | 5/9/01   | 5/8/01  | 5/8/01  | 5/8/01  |
| FILE NAME                | F1EG044  | F1EG045  | F1EG046  | F1EG047  | F1EG016 | F1EG022 | F1EG38  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.38     | 1.40     | 1.33     | 1.32     | 0.89    | 1.13    | 0.84    |
| Acetaldehyde             | 0.71     | 0.71     | 0.64     | 0.63     | 0.52    | 0.74    | 0.64    |
| Acetone                  | 1.89     | 1.89     | 1.70     | 1.69     | 0.90    | 0.65    | 1.09    |
| Propionaldehyde          | 0.04     | 0.03     | 0.03     | 0.03     | ND      | 0.05    | 0.02    |
| Crotonaldehyde           | 0.002u   | 0.001u   | ND       | ND       | ND      | 0.004   | ND      |
| Butyr/Isobutyraldehyde   | 0.09     | 0.09     | 0.07     | 0.07     | 0.05    | 0.08    | 0.06    |
| Benzaldehyde             | 0.03     | 0.03     | 0.02     | 0.02     | 0.03    | 0.03    | 0.02    |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | ND      | ND      |
| Valeraldehyde            | 0.03     | 0.02     | 0.02     | 0.01     | 0.01    | 0.04    | 0.02    |
| Tolualdehydes            | 0.01     | 0.01     | 0.01     | 0.01     | 0.01    | 0.01    | 0.02    |
| Hexaldehyde              | 0.03     | 0.04     | 0.02     | 0.02     | 0.03    | 0.04    | 0.02    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND      | 0.01    | ND      |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19836   | 19858   | 19880   | 19936   | 19953   | 19979   | 20049   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 4/16/01 | 4/19/01 | 4/22/01 | 4/25/01 | 4/28/01 | 5/1/01  | 5/4/01  |
| ANALYSIS DATE            | 5/8/01  | 5/16/01 | 5/16/01 | 5/18/01 | 5/18/01 | 5/18/01 | 5/29/01 |
| FILE NAME                | F1EG030 | Q1EO040 | Q1EO023 | Q1EQ019 | Q1EQ024 | Q1EQ034 | Q1E#006 |
| UNITS                    | ppbv    |
| Formaldehyde             | 0.35    | 1.80    | 1.28    | 1.45    | 1.94    | 2.88    | 0.93    |
| Acetaldehyde             | 0.26    | 1.73    | 0.64    | 1.15    | 1.37    | 1.60    | 0.48    |
| Acetone                  | 1.03    | 1.38    | 0.59    | 1.19    | 1.62    | 1.02    | 0.55    |
| Propionaldehyde          | 0.01    | 0.08    | 0.05    | 0.03    | 0.09    | 0.07    | 0.003   |
| Crotonaldehyde           | ND      | 0.01    | 0.02    | 0.03    | 0.03    | ND      | ND      |
| Butyr/Isobutyraldehyde   | 0.05    | 0.18    | 0.09    | 0.14    | 0.18    | 0.14    | 0.00    |
| Benzaldehyde             | 0.01    | 0.04    | 0.02    | 0.07    | 0.05    | 0.08    | 0.04    |
| Isovaleraldehyde         | ND      | 0.16    | 0.01    | 0.03    | 0.12    | ND      | ND      |
| Valeraldehyde            | 0.01    | 0.04    | 0.01    | 0.03    | 0.04    | 0.02    | ND      |
| Tolualdehydes            | 0.01    | 0.02    | 0.03    | 0.08    | 0.11    | 0.05    | 0.06    |
| Hexaldehyde              | 0.02    | 0.26    | 0.15    | 0.33    | 0.30    | 0.53    | 0.17    |
| 2,5-Dimethylbenzaldehyde | ND      |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20072   | 20105   | 20111 D1 | 20111 R1 | 20113 D2 | 20113 R2 | 20212   |
|--------------------------|---------|---------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 5/7/01  | 5/10/01 | 5/13/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/16/01 |
| ANALYSIS DATE            | 5/29/01 | 5/30/01 | 5/30/01  | 5/30/01  | 5/30/01  | 5/30/01  | 6/22/01 |
| FILE NAME                | Q1E#013 | Q1E#024 | Q1E#045  | Q1E#046  | Q1E#047  | Q1E#048  | Q1FU028 |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    |
| Formaldehyde             | 0.85    | 1.46    | 1.98     | 2.18     | 2.27     | 2.32     | 4.68    |
| Acetaldehyde             | 0.73    | 0.76    | 1.94     | 2.17     | 2.20     | 2.24     | 1.31    |
| Acetone                  | 0.99    | 0.58    | 0.93     | 1.02     | 1.01     | 1.07     | 2.15    |
| Propionaldehyde          | 0.01    | 0.01    | 0.04     | 0.04     | 0.03     | 0.05     | 0.12    |
| Crotonaldehyde           | 0.001u  | ND      | ND       | ND       | ND       | ND       | ND      |
| Butyr/Isobutyraldehyde   | 0.01    | 0.05    | 0.39     | 0.48     | 0.49     | 0.46     | 0.29    |
| Benzaldehyde             | 0.02    | 0.05    | 0.04     | 0.04     | 0.09     | 0.05     | 0.09    |
| Isovaleraldehyde         | 0.02    | 0.02    | 0.11     | 0.11     | 0.12     | 0.13     | ND      |
| Valeraldehyde            | 0.01    | 0.005   | 0.02     | 0.01     | 0.04     | 0.05     | 0.08    |
| Tolualdehydes            | 0.01    | 0.02    | 0.03     | 0.05     | 0.05     | 0.03     | 0.08    |
| Hexaldehyde              | 0.14    | 0.22    | 0.30     | 0.31     | 0.36     | 0.34     | 0.69    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND       | ND       | ND       | ND       | 0.04    |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20235 D1 | 20237 D2 | 20265   | 20308   | 20346   | 20425   | 20457     |
|--------------------------|----------|----------|---------|---------|---------|---------|-----------|
| SAMPLE DATE              | 5/19/01  | 5/19/01  | 5/22/01 | 5/25/01 | 5/28/01 | 5/31/01 | 6/3/01    |
| ANALYSIS DATE            | VOID     | VOID     | 6/7/01  | 6/7/01  | 6/11/01 | 6/18/01 | 6/19/01   |
| FILE NAME                | VOID     | VOID     | Q1FG005 | Q1FG008 | Q1FK007 | Q1FR005 | **Q1FR022 |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv      |
| Formaldehyde             |          |          | 1.27    | 1.67    | 2.51    | 1.27    | 1.40      |
| Acetaldehyde             |          |          | 0.46    | 1.27    | 1.21    | 0.61    | 0.51      |
| Acetone                  |          |          | 1.79    | 1.83    | 5.40    | 1.34    | 1.99      |
| Propionaldehyde          |          |          | 0.02    | 0.02    | 0.05    | ND      | 0.05      |
| Crotonaldehyde           |          |          | ND      | ND      | 0.03    | ND      | ND        |
| Butyr/Isobutyraldehyde   |          |          | 0.03    | 0.13    | 0.02    | ND      | ND        |
| Benzaldehyde             |          |          | 0.02    | 0.05    | 0.04    | 0.03    | 0.08      |
| Isovaleraldehyde         |          |          | ND      | ND      | ND      | ND      | ND        |
| Valeraldehyde            |          |          | ND      | 0.04    | ND      | ND      | ND        |
| Tolualdehydes            |          |          | 0.02    | 0.06    | 0.09    | 0.03    | 0.10      |
| Hexaldehyde              |          |          | 0.21    | 0.26    | 0.41    | 0.21    | 0.19      |
| 2,5-Dimethylbenzaldehyde |          |          | ND      | ND      | 0.04    | ND      | ND        |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20524   | 20580   | 20623   | 20801   | 20970   | 21038   | 21132   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 6/6/01  | 6/9/01  | 6/12/01 | 6/18/01 | 6/21/01 | 6/24/01 | 6/27/01 |
| ANALYSIS DATE            | 6/21/01 | 6/22/01 | VOID    | 6/28/01 | 6/29/01 | 7/11/01 | 7/18/01 |
| FILE NAME                | Q1FU007 | Q1FU016 | VOID    | Q1FI010 | Q1F!022 | Q1GK011 | Q1GR005 |
| UNITS                    | ppbv    |
| Formaldehyde             | 2.25    | 4.31    |         | 2.97    | 2.21    | 3.81    | 5.89    |
| Acetaldehyde             | 1.07    | *12.1   |         | 1.23    | 1.02    | 2.55    | 3.37    |
| Acetone                  | 1.06    | 1.25    |         | 1.36    | 2.03    | 1.26    | 2.61    |
| Propionaldehyde          | 0.05    | 0.09    |         | 0.10    | 0.09    | 0.11    | 0.15    |
| Crotonaldehyde           | ND      | ND      |         | ND      | ND      | ND      | ND      |
| Butyr/Isobutyraldehyde   | ND      | 0.13    |         | 0.09    | ND      | 0.54    | 0.20    |
| Benzaldehyde             | 0.07    | 0.07    |         | 0.03    | 0.04    | 0.05    | 0.09    |
| Isovaleraldehyde         | ND      | 0.03    |         | 0.05    | 0.01    | 0.11    | ND      |
| Valeraldehyde            | ND      | 0.001u  |         | 0.005   | 0.05    | 0.001u  | ND      |
| Tolualdehydes            | 0.10    | 0.13    |         | 0.03    | 0.04    | 0.09    | 0.10    |
| Hexaldehyde              | 0.28    | 0.84    |         | 0.74    | 0.51    | 0.87    | 1.27    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.08    |         | ND      | ND      | ND      | ND      |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21220   | 21823   | 21340 D1 | 21340 R1 | 21342 D2 | 21342 R2 | 21448  |
|--------------------------|---------|---------|----------|----------|----------|----------|--------|
| SAMPLE DATE              | 6/30/01 | 7/3/01  | 7/6/01   | 7/6/01   | 7/6/01   | 7/6/01   | 7/9/01 |
| ANALYSIS DATE            | VOID    | 7/26/01 | 7/27/01  | 7/27/01  | 7/27/01  | 7/27/01  | VOID   |
| FILE NAME                | VOID    | Q1GZ018 | Q1G~018  | Q1G~019  | Q1G~020  | Q1G~021  | VOID   |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv   |
| Formaldehyde             |         | 1.63    | 4.11     | 4.06     | 3.21     | 3.20     |        |
| Acetaldehyde             |         | 0.68    | 0.64     | 0.67     | 0.16     | 0.20     |        |
| Acetone                  |         | 2.10    | 1.25     | 1.23     | ND       | ND       |        |
| Propionaldehyde          |         | 0.02    | 0.01     | 0.01     | ND       | ND       |        |
| Crotonaldehyde           |         | ND      | 0.053    | 0.05     | ND       | ND       |        |
| Butyr/Isobutyraldehyde   |         | 0.12    | 0.00     | 0.01     | 0.02     | 0.01     |        |
| Benzaldehyde             |         | 0.03    | 0.03     | 0.03     | 0.06     | 0.03     |        |
| Isovaleraldehyde         |         | ND      | 0.003    | 0.004    | ND       | ND       |        |
| Valeraldehyde            |         | ND      | ND       | ND       | 0.14     | 0.13     |        |
| Tolualdehydes            |         | 0.06    | 0.09     | 0.10     | 0.09     | 0.12     |        |
| Hexaldehyde              |         | 0.44    | 0.67     | 0.67     | 0.62     | 0.62     |        |
| 2,5-Dimethylbenzaldehyde |         | ND      | 0.03     | 0.03     | 0.04     | 0.04     |        |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21475   | 21551   | 21596   | 21637   | 21704   | 21809   | 21818     |
|--------------------------|---------|---------|---------|---------|---------|---------|-----------|
| SAMPLE DATE              | 7/12/01 | 7/15/01 | 7/18/01 | 7/21/01 | 7/24/01 | 7/27/01 | 7/30/01   |
| ANALYSIS DATE            | 7/26/01 | 7/31/01 | VOID    | 8/11/01 | 8/12/01 | 8/12/01 | 8/12/01   |
| FILE NAME                | Q1GZ026 | Q1G%017 | VOID    | F1HK012 | F1HK030 | F1HK049 | **F1HK032 |
| UNITS                    | ppbv      |
| Formaldehyde             | 4.44    | 4.53    |         | 3.69    | 3.17    | 2.70    | 8.49      |
| Acetaldehyde             | 1.98    | 3.43    |         | 2.61    | 1.67    | 1.09    | 3.49      |
| Acetone                  | 1.96    | 1.81    |         | 0.65    | 0.55    | 0.93    | 0.49      |
| Propionaldehyde          | 0.06    | 0.08    |         | 0.07    | 0.04    | 0.06    | 0.09      |
| Crotonaldehyde           | 0.07    | 0.09    |         | 0.01    | 0.01    | ND      | ND        |
| Butyr/Isobutyraldehyde   | 0.04    | 0.22    |         | 0.08    | 0.06    | 0.05    | 1.00      |
| Benzaldehyde             | 0.06    | 0.07    |         | 0.04    | 0.07    | 0.04    | ND        |
| Isovaleraldehyde         | 0.002u  | 0.07    |         | ND      | 0.11    | ND      | 0.47      |
| Valeraldehyde            | ND      | 0.02    |         | 0.12    | 0.02    | 0.01    | ND        |
| Tolualdehydes            | 0.06    | 0.11    |         | 0.06    | 0.04    | 0.06    | 0.19      |
| Hexaldehyde              | 1.02    | 1.21    |         | 0.06    | 0.04    | 0.02    | 0.06      |
| 2,5-Dimethylbenzaldehyde | ND      | ND      |         | ND      | ND      | ND      | ND        |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21932   | 21958  | 22059   | 22073   | 22110   | 22257 D1 | 22257 R1 |
|--------------------------|---------|--------|---------|---------|---------|----------|----------|
| SAMPLE DATE              | 8/2/01  | 8/5/01 | 8/8/01  | 8/11/01 | 8/14/01 | 8/17/01  | 8/17/01  |
| ANALYSIS DATE            | 9/10/01 | VOID   | 8/22/01 | 8/27/01 | 8/28/01 | 9/1/01   | 9/1/01   |
| FILE NAME                | Q1J008  | VOID   | Q1HV015 | Q1H~011 | Q1H~020 | Q1H%034  | Q1H%035  |
| UNITS                    | ppbv    | ppbv   | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 2.36    |        | 5.32    | 4.49    | 3.62    | 2.62     | 2.76     |
| Acetaldehyde             | 0.001   |        | 0.05    | 2.73    | 2.33    | 1.21     | 1.27     |
| Acetone                  | 0.10    |        | 0.02    | 2.66    | 2.05    | 1.85     | 1.96     |
| Propionaldehyde          | ND      |        | ND      | 0.14    | 0.10    | 0.05     | 0.06     |
| Crotonaldehyde           | ND      |        | 0.03    | ND      | ND      | 0.10     | 0.09     |
| Butyr/Isobutyraldehyde   | 0.01    |        | 0.01    | 0.13    | 0.20    | 0.03     | 0.04     |
| Benzaldehyde             | ND      |        | 0.16    | 0.03    | 0.03    | 0.01     | 0.01     |
| Isovaleraldehyde         | ND      |        | ND      | 0.01    | 0.04    | ND       | ND       |
| Valeraldehyde            | 0.05    |        | ND      | 0.01    | 0.06    | ND       | ND       |
| Tolualdehydes            | ND      |        | 0.09    | 0.07    | 0.03    | 0.02     | 0.01     |
| Hexaldehyde              | 0.45    |        | 0.73    | 0.82    | 0.57    | 0.48     | 0.47     |
| 2,5-Dimethylbenzaldehyde | ND      |        | ND      | ND      | 0.008   | 0.009    | 0.01     |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22259 D2 | 22259 R2 | 22357   | 22426 D1 | 22428 D2 | 22407     | 22463   |
|--------------------------|----------|----------|---------|----------|----------|-----------|---------|
| SAMPLE DATE              | 8/17/01  | 8/17/01  | 8/20/01 | 8/23/01  | 8/23/01  | 8/26/01   | 8/29/01 |
| ANALYSIS DATE            | 9/1/01   | 9/1/01   | 9/20/01 | VOID     | VOID     | 9/29/01   | 9/26/01 |
| FILE NAME                | Q1H%036  | Q1H%037  | F1IT013 | VOID     | VOID     | **F1I~055 | Q1IZ009 |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv      | ppbv    |
| Formaldehyde             | 2.70     | 2.80     | 2.62    |          |          | 2.84      | 3.00    |
| Acetaldehyde             | 1.24     | 1.27     | 1.63    |          |          | 0.31      | 2.50    |
| Acetone                  | 1.74     | 1.77     | 1.57    |          |          | 0.16      | 2.33    |
| Propionaldehyde          | 0.05     | 0.06     | 0.06    |          |          | 0.01      | 0.12    |
| Crotonaldehyde           | 0.10     | 0.09     | ND      |          |          | ND        | 0.16    |
| Butyr/Isobutyraldehyde   | 0.04     | 0.05     | 0.38    |          |          | 0.06      | 0.25    |
| Benzaldehyde             | 0.01     | 0.01     | 0.02    |          |          | 0.06      | 0.17    |
| Isovaleraldehyde         | ND       | ND       | ND      |          |          | 0.13      | 1.04    |
| Valeraldehyde            | ND       | ND       | 0.01    |          |          | 0.02      | 0.03    |
| Tolualdehydes            | 0.01     | 0.01     | 0.08    |          |          | 0.03      | 0.12    |
| Hexaldehyde              | 0.48     | 0.49     | 0.02    |          |          | ND        | 0.88    |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.01     | ND      |          |          | ND        | ND      |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22572   | 22670   | 22683     | 22730   | 22743   | 22794 D1 | 22764 R1 |
|--------------------------|---------|---------|-----------|---------|---------|----------|----------|
| SAMPLE DATE              | 9/1/01  | 9/4/01  | 9/7/01    | 9/10/01 | 9/13/01 | 9/16/01  | 9/16/01  |
| ANALYSIS DATE            | 9/27/01 | 9/27/01 | 9/27/01   | 9/28/01 | 9/28/01 | 10/20/01 | 10/20/01 |
| FILE NAME                | Q1IZ023 | Q1IZ042 | **Q1IZ045 | Q1IZ056 | Q1IZ057 | F1JS031  | F1JS032  |
| UNITS                    | ppbv    | ppbv    | ppbv      | ppbv    | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 2.78    | 4.52    | 2.88      | 2.69    | 2.29    | 1.87     | 1.86     |
| Acetaldehyde             | 1.66    | 2.35    | 0.10      | 1.41    | 1.06    | 1.28     | 1.30     |
| Acetone                  | 2.81    | 3.55    | 0.18      | 3.77    | 1.61    | 2.50     | 2.51     |
| Propionaldehyde          | 0.14    | 0.29    | 0.01      | 0.06    | 0.05    | 0.06     | 0.06     |
| Crotonaldehyde           | 0.06    | 0.01    | 0.07      | ND      | 0.06    | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.07    | 0.26    | 0.08      | 0.05    | 0.03    | 0.14     | 0.15     |
| Benzaldehyde             | 0.01    | 0.07    | 0.03      | 0.01    | 0.02    | 0.03     | 0.03     |
| Isovaleraldehyde         | 0.03    | ND      | ND        | 0.0004u | ND      | ND       | ND       |
| Valeraldehyde            | 0.003   | 0.29    | 0.01      | 0.0001u | ND      | 0.04     | 0.04     |
| Tolualdehydes            | 0.03    | 0.07    | 0.06      | 0.02    | 0.05    | 0.02     | 0.03     |
| Hexaldehyde              | 0.51    | 0.92    | 0.40      | 0.33    | 0.39    | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND      | 0.03    | ND        | 0.004   | 0.01    | ND       | ND       |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22796 D2 | 22796 R2 | 22937    | 22956    | 23079    | 23149    | 23169    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/16/01  | 9/16/01  | 9/19/01  | 9/22/01  | 9/25/01  | 9/28/01  | 10/1/01  |
| ANALYSIS DATE            | 10/20/01 | 10/20/01 | 10/19/01 | 10/25/01 | 10/19/01 | 10/27/01 | 10/27/01 |
| FILE NAME                | F1JS033  | F1JS034  | Q1JS015  | Q1JX023  | Q1JS021  | F1JZ048  | F1JZ056  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.93     | 1.92     | 1.30     | 1.90     | 0.96     | 2.09     | 3.26     |
| Acetaldehyde             | 1.39     | 1.41     | 1.60     | 2.61     | 0.77     | 1.37     | 4.43     |
| Acetone                  | 2.76     | 2.82     | 3.80     | 3.12     | 2.51     | 3.52     | 4.07     |
| Propionaldehyde          | 0.06     | 0.06     | 0.09     | 0.09     | 0.08     | 0.04     | 0.08     |
| Crotonaldehyde           | 0.004    | 0.004    | 0.11     | 0.09     | 0.04     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.15     | 0.15     | 0.10     | 0.16     | 0.07     | 0.11     | 0.21     |
| Benzaldehyde             | 0.03     | 0.03     | 0.11     | 0.03     | 0.04     | 0.03     | 0.03     |
| Isovaleraldehyde         | ND       | ND       | 0.11     | 0.12     | ND       | ND       | 0.08     |
| Valeraldehyde            | 0.04     | 0.04     | 0.02     | 0.005    | 0.05     | 0.03     | 0.07     |
| Tolualdehydes            | 0.03     | 0.03     | 0.05     | 0.06     | 0.04     | 0.04     | 0.01     |
| Hexaldehyde              | 0.02     | 0.02     | 0.38     | 0.45     | 0.42     | 0.01     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.02     | ND       | 0.01     | ND       | ND       |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23622   | 23238    | 23328    | 23380    | 23411    | 23490    | 23534    |
|--------------------------|---------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/4/01 | 10/7/01  | 10/10/01 | 10/13/01 | 10/16/01 | 10/19/01 | 10/22/01 |
| ANALYSIS DATE            | VOID    | 10/25/01 | VOID     | 11/6/01  | 11/3/01  | 11/7/01  | 11/10/01 |
| FILE NAME                | VOID    | Q1JX047  | VOID     | F1KE040  | F1KB015  | F1KE075  | F1KH071  |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             |         | 1.74     |          | 0.86     | 0.57     | 1.16     | 1.65     |
| Acetaldehyde             |         | 1.56     |          | 1.36     | 0.48     | 1.55     | 1.69     |
| Acetone                  |         | 3.34     |          | 1.84     | 1.28     | 2.47     | 2.01     |
| Propionaldehyde          |         | 0.10     |          | 0.09     | 0.03     | 0.03     | 0.03     |
| Crotonaldehyde           |         | 0.001u   |          | 0.004    | ND       | 0.005    | 0.01     |
| Butyr/Isobutyraldehyde   |         | 0.10     |          | 0.38     | 0.08     | 0.12     | 0.09     |
| Benzaldehyde             |         | 0.01     |          | 0.01     | 0.01     | 0.01     | 0.03     |
| Isovaleraldehyde         |         | 0.07     |          | 0.07     | 0.001u   | 0.04     | 0.01     |
| Valeraldehyde            |         | 0.001u   |          | 0.04     | 0.01     | 0.02     | 0.03     |
| Tolualdehydes            |         | 0.06     |          | 0.02     | 0.02     | 0.02     | 0.02     |
| Hexaldehyde              |         | 0.28     |          | 0.02     | 0.02     | 0.01     | 0.01     |
| 2,5-Dimethylbenzaldehyde |         | 0.02     |          | ND       | ND       | ND       | ND       |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23624    | 23684    | 23715    | 23778 D1 | 23778 R1 | 23780 D2 | 23780 R2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/25/01 | 10/28/01 | 10/31/01 | 11/3/01  | 11/3/01  | 11/3/01  | 11/3/01  |
| ANALYSIS DATE            | 11/9/01  | 11/13/01 | 11/13/01 | 11/14/01 | 11/14/01 | 11/14/01 | 11/14/01 |
| FILE NAME                | F1KH034  | F1KL013  | F1KL022  | F1KL075  | F1KL076  | F1KL077  | F1KL078  |
| UNITS                    | ppbv     |
| Formaldehyde             | 0.98     | 1.94     | 2.70     | 1.67     | 1.67     | 1.59     | 1.61     |
| Acetaldehyde             | 1.98     | 2.02     | 2.27     | 3.83     | 3.80     | 3.64     | 3.66     |
| Acetone                  | 0.83     | 1.86     | 2.41     | 2.12     | 2.11     | 1.93     | 1.93     |
| Propionaldehyde          | 0.01     | 0.04     | 0.09     | 0.05     | 0.05     | 0.04     | 0.04     |
| Crotonaldehyde           | ND       | 0.002u   | 0.01     | 0.01     | 0.01     | 0.0003u  | 0.0003u  |
| Butyr/Isobutyraldehyde   | 0.09     | 0.12     | 0.29     | 0.08     | 0.08     | 0.07     | 0.07     |
| Benzaldehyde             | 0.01     | 0.01     | 0.24     | 0.02     | 0.02     | 0.02     | 0.02     |
| Isovaleraldehyde         | ND       | 0.03     | 0.10     | 0.07     | 0.07     | 0.07     | 0.07     |
| Valeraldehyde            | 0.01     | 0.02     | 0.14     | 0.04     | 0.04     | 0.03     | 0.03     |
| Tolualdehydes            | 0.02     | 0.02     | 0.03     | 0.02     | 0.02     | 0.02     | 0.02     |
| Hexaldehyde              | 0.003    | 0.01     | 0.11     | 0.003    | 0.004    | 0.01     | 0.01     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23873    | 23886    | 23906    | 24006    | 24048    | 24109    | 24139    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 11/6/01  | 11/9/01  | 11/12/01 | 11/15/01 | 11/18/01 | 11/21/01 | 11/24/01 |
| ANALYSIS DATE            | 11/20/01 | 11/20/01 | 11/27/01 | 11/28/01 | 11/29/01 | 12/3/01  | 12/8/01  |
| FILE NAME                | F1KT017  | F1KT021  | F1KZ023  | F1KI017  | F1KI025  | F1LC020  | F1LG018  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.69     | 0.93     | 1.33     | 1.85     | 2.02     | 1.75     | 0.73     |
| Acetaldehyde             | 1.96     | 0.89     | 2.39     | 2.15     | 2.36     | 2.13     | 0.87     |
| Acetone                  | 2.28     | 1.17     | 1.86     | 1.60     | 1.54     | 1.78     | 1.35     |
| Propionaldehyde          | 0.03     | 0.03     | 0.11     | 0.04     | 0.03     | 0.08     | 0.02     |
| Crotonaldehyde           | 0.007    | 0.004    | 0.01     | 0.004    | 0.003    | 0.005    | 0.003    |
| Butyr/Isobutyraldehyde   | 0.08     | 0.07     | 0.31     | 0.09     | 0.07     | 0.11     | 0.07     |
| Benzaldehyde             | 0.02     | 0.01     | 0.01     | 0.02     | 0.01     | 0.01     | 0.01     |
| Isovaleraldehyde         | 0.02     | 0.02     | 0.22     | ND       | 0.02     | ND       | 0.02     |
| Valeraldehyde            | 0.03     | 0.02     | 0.21     | 0.03     | 0.02     | 0.02     | 0.02     |
| Tolualdehydes            | 0.02     | 0.02     | 0.03     | 0.01     | 0.02     | 0.02     | 0.01     |
| Hexaldehyde              | 0.01     | 0.01     | 0.02     | 0.004    | 0.003    | 0.01     | 0.01     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24205    | 24293    | 24366    | 24441   | 24459   | 24545    | 24614    |
|--------------------------|----------|----------|----------|---------|---------|----------|----------|
| SAMPLE DATE              | 11/27/01 | 11/30/01 | 12/3/01  | 12/6/01 | 12/9/01 | 12/12/01 | 12/15/01 |
| ANALYSIS DATE            | 12/11/01 | 12/12/01 | 12/12/01 | 1/7/02  | 1/8/02  | 1/9/02   | 1/15/02  |
| FILE NAME                | F1LK024  | F1LK040  | Q1LL018  | F2AG017 | F2AG050 | F2AG057  | F2AN035  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 0.34     | 0.39     | 1.54     | 1.27    | 1.43    | 1.14     | 0.83     |
| Acetaldehyde             | 0.27     | 0.30     | 2.29     | 1.14    | 1.50    | 1.23     | 0.62     |
| Acetone                  | 0.59     | 0.94     | 2.56     | 1.06    | 1.04    | 2.29     | 1.56     |
| Propionaldehyde          | 0.01     | 0.03     | 0.06     | 0.04    | 0.12    | 0.06     | 0.03     |
| Crotonaldehyde           | ND       | 0.003    | 0.03     | 0.003   | 0.0002u | 0.0002u  | 0.004    |
| Butyr/Isobutyraldehyde   | 0.04     | 0.05     | 0.07     | 0.06    | 0.14    | 0.16     | 0.10     |
| Benzaldehyde             | 0.01     | 0.01     | 0.03     | 0.01    | 0.02    | 0.03     | 0.01     |
| Isovaleraldehyde         | ND       | ND       | 0.02     | ND      | ND      | 0.02     | 0.02     |
| Valeraldehyde            | 0.01     | 0.01     | ND       | 0.01    | 0.04    | 0.08     | 0.02     |
| Tolualdehydes            | ND       | 0.01     | 0.02     | 0.02    | 0.02    | 0.02     | 0.01     |
| Hexaldehyde              | 0.004    | 0.01     | 0.15     | 0.004   | 0.02    | 0.02     | 0.01     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.01     | ND      | ND      | ND       | 0.005    |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24673    | 24718    | 24797    | 24781    | 24864    |
|--------------------------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 12/18/01 | 12/21/01 | 12/24/01 | 12/27/01 | 12/30/01 |
| ANALYSIS DATE            | 1/17/02  | 1/17/02  | 1/18/02  | 1/18/02  | 1/21/02  |
| FILE NAME                | Q2AQ010  | F2AQ007  | F2AR009  | F2AQ024  | F2AU018  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.19     | 1.20     | 0.50     | 0.46     | 0.63     |
| Acetaldehyde             | 2.09     | 0.81     | 0.37     | 0.42     | 0.44     |
| Acetone                  | 1.55     | 1.13     | 0.71     | 0.87     | 0.67     |
| Propionaldehyde          | 0.05     | 0.05     | 0.03     | 0.03     | 0.02     |
| Crotonaldehyde           | 0.02     | 0.004    | 0.005    | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.01     | 0.08     | 0.06     | 0.06     | 0.04     |
| Benzaldehyde             | 0.01     | 0.02     | 0.01     | 0.01     | 0.01     |
| Isovaleraldehyde         | 0.01     | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.002u   | 0.01     | 0.01     | 0.01     | 0.01     |
| Tolualdehydes            | ND       | 0.02     | 0.01     | 0.01     | 0.01     |
| Hexaldehyde              | 0.14     | 0.02     | 0.008    | 0.01     | 0.008    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       |

u - Concentration below detection limit

\* - Compound diluted 5X

\*\* - Sample diluted 10X due to high moisture content in cartridge.

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | Q1BF027  | Q1BH023  | Q1BM037  | Q1CL021  | F1DP021  | F1D\$028 | F1EG039  | Q1EO041  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| ERG Sample ID            | 19120 FB | 19168 FB | 19246 FB | 19410 FB | 19512 FB | 19670 FB | 19803 FB | 19859 FB |
| Date Sampled             | 1/19/01  | 1/25/01  | 2/6/01   | 2/24/01  | 3/8/01   | 3/26/01  | 4/13/01  | 4/19/01  |
| Date Analyzed            | 2/7/01   | 2/9/01   | 2/14/01  | 3/13/01  | 4/17/01  | 5/1/01   | 5/8/01   | 5/16/01  |
| Formaldehyde             | 0.11     | 0.06     | 0.02     | 0.07     | 0.02     | 0.25     | 0.02     | 0.01     |
| Acetaldehyde             | 0.03     | 0.03     | 0.06     | 0.08     | 0.10     | 0.10     | 0.08     | 0.09     |
| Acetone                  | 0.13     | 0.11     | 0.09     | 0.09     | 0.10     | 0.13     | 0.09     | 0.14     |
| Propionaldehyde          | ND       | ND       | 0.004    | 0.01     | ND       | ND       | ND       | ND       |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | ND       | ND       | ND       | ND       | 0.02     | 0.01     | ND       | ND       |
| Benzaldehyde             | 0.01     | 0.01     | 0.02     | 0.04     | ND       | 0.00     | 0.002    | ND       |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | ND       | ND       | ND       | ND       | ND       | 0.003    | 0.003    | ND       |
| Tolualdehydes            | ND       | 0.07     | ND       | ND       | ND       | ND       | ND       | ND       |
| Hexaldehyde              | 0.04     | 0.04     | 0.03     | ND       | 0.02     | 0.03     | 0.04     | ND       |
| 2,5-Dimethylbenzaldehyde | 0.03     | ND       |

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID<br>ERG Sample ID<br>Date Sampled<br>Date Analyzed | Q1E#014<br>20071 FB<br>5/7/01<br>5/30/01 | Q1FG009<br>20307 FB<br>5/25/01<br>6/7/01 | Q1FU025<br>20622 FB<br>6/12/01<br>6/22/01 | Q1GR014<br>21219 FB<br>6/30/01<br>7/18/01 | VOID<br>21595<br>7/18/01<br>VOID | F1HK029<br>21703 FB<br>7/24/01<br>8/12/01 | Q1H-010<br>22072 FB<br>8/11/01<br>8/27/01 | Q1IZ008<br>22462 FB<br>8/29/01<br>9/26/01 |
|--|--|--|---|---|----------------------------------|---|---|---|
| Formaldehyde   | 0.03                                     | 0.06                                     | 0.04                                      | 0.02                                      |                                  | 0.03                                      | 0.01                                      | 0.01                                      |
| Acetaldehyde   | 0.03                                     | 0.06                                     | 0.06                                      | 0.06                                      |                                  | 0.06                                      | 0.08                                      | 0.09                                      |
| Acetone  | 0.11                                     | 0.27                                     | 0.18                                      | 0.16                                      |                                  | 0.23                                      | 0.19                                      | 0.17                                      |
| Propionaldehyde  | ND                                       | ND                                       | ND  | ND  |                                  | 0.00                                      | ND  | ND  |
| Crotonaldehyde   | ND                                       | ND                                       | ND  | ND  |                                  | ND  | ND  | ND  |
| Butyraldehyde  | ND                                       | 0.007                                    | ND  | ND  |                                  | 0.04                                      | ND  | ND  |
| Benzaldehyde   | ND                                       | ND                                       | 0.002                                     | ND  |                                  | 0.02                                      | ND  | ND  |
| Isovaleraldehyde   | ND                                       | ND                                       | ND  | ND  |                                  | 0.02                                      | ND  | ND  |
| Valeraldehyde  | ND                                       | ND                                       | 0.003                                     | ND  |                                  | 0.008                                     | ND  | ND  |
| Tolualdehydes  | ND                                       | 0.07                                     | ND  | ND  |                                  | 0.08                                      | ND  | ND  |
| Hexaldehyde  | 0.02                                     | ND                                       | 0.12                                      | 0.04                                      |                                  | 0.03                                      | 0.04                                      | ND  |
| 2,5-Dimethylbenzaldehyde                                       | ND                                       | ND                                       | ND  | ND  |                                  | ND  | ND  | ND  |

# Cedar Rapids, Iowa (C2IA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | Q1IZ041 | Q1JS020  | Q1JX051  | F1KH070  | F1KT020  | VOID     | F2AG049 | F2AN034  |
|--------------------------|---------|----------|----------|----------|----------|----------|---------|----------|
| ERG Sample ID            | 22669   | 23078    | 23243    | 23533    | 23885    | 24204    | 24458   | 24613    |
| Date Sampled             | 9/4/01  | 9/25/01  | 10/4/01  | 10/22/01 | 11/9/01  | 11/27/01 | 12/9/01 | 12/15/01 |
| Date Analyzed            | 9/27/01 | 10/19/01 | 10/25/01 | 11/10/01 | 11/20/01 | VOID     | 1/8/02  | 1/15/02  |
| Formaldehyde             | 0.03    | 0.02     | 0.02     | 0.04     | 0.03     |          | 0.04    | 0.09     |
| Acetaldehyde             | 0.08    | 0.05     | 0.05     | 0.03     | 0.06     |          | 0.04    | 0.06     |
| Acetone                  | 0.27    | 0.33     | 0.17     | 0.21     | 0.21     |          | 0.28    | 0.28     |
| Propionaldehyde          | ND      | ND       | ND       | ND       | 0.01     |          | ND      | ND       |
| Crotonaldehyde           | ND      | ND       | ND       | ND       | ND       |          | ND      | ND       |
| Butyraldehyde            | ND      | ND       | ND       | 0.20     | 0.15     |          | 0.07    | 0.10     |
| Benzaldehyde             | ND      | 0.01     | ND       | 0.01     | 0.01     |          | 0.02    | 0.01     |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       | ND       |          | ND      | ND       |
| Valeraldehyde            | ND      | ND       | ND       | 0.01     | 0.01     |          | ND      | ND       |
| Tolualdehydes            | ND      | ND       | 0.02     | 0.05     | 0.04     |          | 0.01    | 0.02     |
| Hexaldehyde              | 0.03    | 0.03     | 0.05     | 0.02     | 0.02     |          | 0.02    | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND      | ND       | ND       | ND       | ND       |          | ND      | ND       |

# Davenport, Iowa (DAIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19032    | 19073   | 19188   | 19254   | 19356 D1 | 19358 D2 | 19473   | 19582   |
|--------------------------|----------|---------|---------|---------|----------|----------|---------|---------|
| SAMPLE DATE              | 1/1/01   | 1/13/01 | 1/25/01 | 2/6/01  | 2/18/01  | 2/18/01  | 3/2/01  | 3/14/01 |
| ANALYSIS DATE            | 1/31/01  | 2/7/01  | 2/9/01  | 2/14/01 | VOID     | VOID     | 4/16/01 | 4/19/01 |
| FILE NAME                | Q1A\$012 | Q1BF013 | Q1BH036 | Q1BM042 | VOID     | VOID     | F1DP008 | F1DS010 |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 1.44     | 0.72    | 1.08    | 0.85    |          |          | 0.64    | 0.97    |
| Acetaldehyde             | 1.05     | 0.62    | 0.78    | 0.69    |          |          | 0.73    | 0.68    |
| Acetone                  | 1.15     | 1.14    | 0.82    | *0.73   |          |          | 1.69    | 1.11    |
| Propionaldehyde          | 0.11     | 0.08    | 0.10    | 0.08    |          |          | 0.04    | 0.04    |
| Crotonaldehyde           | 0.05     | ND      | 0.03    | 0.02    |          |          | 0.02    | 0.003   |
| Butyr/Isobutyraldehyde   | 0.07     | 0.06    | 0.05    | 0.05    |          |          | 0.10    | 0.07    |
| Benzaldehyde             | 0.03     | 0.03    | 0.04    | 0.03    |          |          | 0.03    | 0.02    |
| Isovaleraldehyde         | ND       | ND      | 0.01    | 0.01    |          |          | ND      | ND      |
| Valeraldehyde            | 0.02     | 0.05    | 0.02    | 0.01    |          |          | 0.01    | 0.01    |
| Tolualdehydes            | 0.02     | 0.04    | 0.04    | 0.03    |          |          | 0.01    | 0.03    |
| Hexaldehyde              | 0.04     | 0.10    | 0.11    | 0.09    |          |          | 0.03    | 0.04    |
| 2,5-Dimethylbenzaldehyde | ND       | ND      | 0.01    | ND      |          |          | ND      | ND      |

u - Concentration is below detection limit.

\* - Indicates a compound which was field blank subtracted.

\*\* - Indicates sample 3/20/01 Duplicate 2 appears to have a sampling error.

# Davenport, Iowa (DAIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19611 D1 | 19611 R1 | **19613 D2 | **19613 R2 | 19701    | 19790   | 19874   | 19988   |
|--------------------------|----------|----------|------------|------------|----------|---------|---------|---------|
| SAMPLE DATE              | 3/20/01  | 3/20/01  | 3/20/01    | 3/20/01    | 3/26/01  | 4/7/01  | 4/19/01 | 5/1/01  |
| ANALYSIS DATE            | 4/21/01  | 4/21/01  | 4/21/01    | 4/21/01    | 5/1/01   | 5/8/01  | 5/16/01 | 5/18/01 |
| FILE NAME                | F1DS039  | F1DS040  | F1DS041    | F1DS042    | F1D\$031 | F1EG024 | Q1EO028 | Q1EQ038 |
| UNITS                    | ppbv     | ppbv     | ppbv       | ppbv       | ppbv     | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.34     | 1.35     | 0.02       | 0.02       | 2.66     | 1.07    | 1.89    | 3.34    |
| Acetaldehyde             | 0.96     | 0.99     | 0.04       | 0.03       | 0.59     | 0.53    | 0.75    | 1.34    |
| Acetone                  | 1.64     | 1.66     | 0.05       | 0.05       | 1.62     | 0.87    | 1.79    | 1.52    |
| Propionaldehyde          | 0.07     | 0.07     | ND         | ND         | 0.04     | 0.01    | 0.01    | ND      |
| Crotonaldehyde           | 0.01     | 0.01     | ND         | ND         | 0.001    | ND      | 0.02    | 0.06    |
| Butyr/Isobutyraldehyde   | 0.09     | 0.09     | 0.005      | 0.004      | 0.09     | 0.05    | 0.02    | 0.03    |
| Benzaldehyde             | 0.05     | 0.05     | ND         | ND         | 0.02     | 0.03    | 0.03    | 0.08    |
| Isovaleraldehyde         | ND       | ND       | ND         | ND         | ND       | 0.07    | ND      | ND      |
| Valeraldehyde            | 0.03     | 0.03     | ND         | ND         | 0.03     | 0.02    | ND      | ND      |
| Tolualdehydes            | 0.04     | 0.04     | ND         | ND         | 0.03     | 0.05    | 0.08    | 0.23    |
| Hexaldehyde              | 0.05     | 0.05     | 0.01       | 0.005      | 0.04     | 0.03    | 0.25    | 0.81    |
| 2,5-Dimethylbenzaldehyde | 0.002u   | 0.003u   | ND         | ND         | ND       | ND      | ND      | 0.06    |

u - Concentration is below detection limit.

\* - Indicates a compound which was field blank subtracted.

\*\* - Indicates sample 3/20/01 Duplicate 2 appears to have a sampling error.

# Davenport, Iowa (DAIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20214 D1 | 20214 R1 | 20216 D2 | 20216 R2 | 20405   | 20603   | 20945   | 21259   |
|--------------------------|----------|----------|----------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/13/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/25/01 | 6/6/01  | 6/18/01 | 6/30/01 |
| ANALYSIS DATE            | 5/31/01  | 5/31/01  | 5/31/01  | 5/31/01  | 6/12/01 | 6/22/01 | 6/28/01 | 7/26/01 |
| FILE NAME                | Q1E#054  | Q1E#055  | Q1E#056  | Q1E#057  | Q1FK020 | Q1FU017 | Q1F!017 | Q1GZ009 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.97     | 2.04     | 2.46     | 2.11     | 1.79    | 2.19    | 5.10    | 3.99    |
| Acetaldehyde             | 0.81     | 0.86     | 0.91     | 0.77     | 0.93    | 1.04    | 1.13    | 1.11    |
| Acetone                  | 1.32     | 1.34     | 1.02     | 0.86     | 1.91    | 1.11    | 1.04    | 0.77    |
| Propionaldehyde          | 0.02     | 0.01     | 0.01     | 0.01     | 0.03    | ND      | 0.12    | 0.01    |
| Crotonaldehyde           | 0.04     | 0.02     | 0.05     | 0.03     | ND      | ND      | ND      | 0.08    |
| Butyr/Isobutyraldehyde   | 0.07     | 0.04     | 0.06     | 0.03     | 0.05    | 0.02    | ND      | 0.10    |
| Benzaldehyde             | 0.05     | 0.06     | 0.14     | 0.12     | 0.05    | 0.08    | 0.06    | 0.09    |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | ND      | ND      | ND      |
| Valeraldehyde            | ND       | ND       | ND       | ND       | ND      | ND      | ND      | ND      |
| Tolualdehydes            | 0.09     | 0.08     | 0.16     | 0.11     | 0.03    | 0.03    | 0.25    | 0.08    |
| Hexaldehyde              | 0.34     | 0.36     | 0.53     | 0.45     | 0.24    | 0.30    | 1.60    | 0.94    |
| 2,5-Dimethylbenzaldehyde | 0.04     | 0.05     | 0.06     | 0.02     | 0.03    | ND      | ND      | ND      |

u - Concentration is below detection limit.

\* - Indicates a compound which was field blank subtracted.

\*\* - Indicates sample 3/20/01 Duplicate 2 appears to have a sampling error.

# Davenport, Iowa (DAIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21533   | 21798   | 21992   | 22315 D1 | 22315 R1 | 22317 D2 | 22317 R2 | 22482   |
|--------------------------|---------|---------|---------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 7/12/01 | 7/24/01 | 8/5/01  | 8/17/01  | 8/17/01  | 8/17/01  | 8/17/01  | 8/29/01 |
| ANALYSIS DATE            | 7/31/01 | VOID    | 9/10/01 | 9/21/01  | 9/21/01  | 9/21/01  | 9/21/01  | 9/27/01 |
| FILE NAME                | Q1G%009 | VOID    | Q1IJ005 | F1IT027  | F1IT028  | F1IT029  | F1IT030  | Q1IZ022 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    |
| Formaldehyde             | 3.23    |         | 2.32    | 1.46     | 1.45     | 1.51     | 1.51     | 2.54    |
| Acetaldehyde             | 1.06    |         | 0.73    | 0.46     | 0.49     | 0.49     | 0.49     | 0.44    |
| Acetone                  | 1.38    |         | 1.10    | 0.78     | 0.78     | 0.59     | 0.59     | 0.96    |
| Propionaldehyde          | ND      |         | 0.03    | 0.06     | 0.06     | 0.03     | 0.04     | 0.06    |
| Crotonaldehyde           | 0.03    |         | 0.13    | ND       | ND       | ND       | ND       | 0.05    |
| Butyr/Isobutyraldehyde   | 0.01    |         | 0.04    | 0.29     | 0.28     | 0.20     | 0.19     | 0.03    |
| Benzaldehyde             | 0.07    |         | 0.08    | 0.34     | 0.04     | 0.07     | 0.06     | 0.05    |
| Isovaleraldehyde         | ND      |         | ND      | ND       | ND       | ND       | ND       | ND      |
| Valeraldehyde            | 0.05    |         | ND      | ND       | ND       | ND       | ND       | 0.03    |
| Tolualdehydes            | 0.05    |         | 0.08    | 0.05     | 0.05     | 0.08     | 0.09     | 0.11    |
| Hexaldehyde              | 0.57    |         | 0.31    | 0.03     | 0.03     | 0.05     | 0.06     | 0.43    |
| 2,5-Dimethylbenzaldehyde | 0.05    |         | ND      | ND       | ND       | ND       | ND       | 0.05    |

u - Concentration is below detection limit.

\* - Indicates a compound which was field blank subtracted.

\*\* - Indicates sample 3/20/01 Duplicate 2 appears to have a sampling error.

# Davenport, Iowa (DAIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22798    | 22997    | 23249    | 23413    | 23576    | 23686    | 23891    | 24137    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/10/01  | 9/22/01  | 10/4/01  | 10/16/01 | 10/22/01 | 10/28/01 | 11/9/01  | 11/21/01 |
| ANALYSIS DATE            | 10/19/01 | 10/27/01 | 10/25/01 | 11/3/01  | 11/9/01  | 11/13/01 | 11/26/01 | 12/8/01  |
| FILE NAME                | F1JS016  | F1JZ029  | Q1JX055  | F1KB016  | F1KH052  | F1KL014  | F1KZ007  | F1LG017  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.80     | 2.29     | 0.93     | 0.54     | 2.30     | 1.22     | 1.68     | 1.69     |
| Acetaldehyde             | 0.80     | 1.05     | 0.61     | 0.33     | 1.01     | 0.84     | 1.20     | 0.90     |
| Acetone                  | 1.10     | 1.10     | 1.04     | 0.77     | 0.60     | 1.07     | 1.39     | 1.33     |
| Propionaldehyde          | 0.02     | 0.04     | 0.002u   | 0.03     | 0.29     | 0.04     | 0.05     | 0.08     |
| Crotonaldehyde           | 0.01     | 0.01     | 0.01     | 0.004    | 0.003    | 0.005    | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.11     | 0.09     | 0.003u   | 0.08     | 0.06     | 0.10     | 0.09     | 0.10     |
| Benzaldehyde             | 0.03     | 0.04     | 0.04     | 0.01     | 0.04     | 0.02     | 0.03     | 0.03     |
| Isovaleraldehyde         | ND       | ND       | ND       | 0.0003u  | 0.01     | ND       | 0.03     | ND       |
| Valeraldehyde            | 0.02     | 0.02     | ND       | 0.01     | 0.01     | 0.02     | 0.02     | 0.02     |
| Tolualdehydes            | 0.03     | 0.05     | 0.02     | 0.02     | 0.04     | 0.03     | 0.03     | 0.04     |
| Hexaldehyde              | 0.03     | 0.06     | 0.14     | 0.01     | 0.01     | 0.02     | 0.03     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | 0.01     | ND       | ND       | ND       | ND       | ND       | ND       |

u - Concentration is below detection limit.

\* - Indicates a compound which was field blank subtracted.

\*\* - Indicates sample 3/20/01 Duplicate 2 appears to have a sampling error.

# Davenport, Iowa (DAIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24352    | 24602    | 24844    |
|--------------------------|----------|----------|----------|
| SAMPLE DATE              | 12/3/01  | 12/15/01 | 12/27/01 |
| ANALYSIS DATE            | 12/12/01 | 1/15/02  | 1/22/02  |
| FILE NAME                | Q1LL013  | F2AN027  | F2AU037  |
| UNITS                    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.80     | 4.31     | 0.57     |
| Acetaldehyde             | 0.89     | 1.86     | 0.42     |
| Acetone                  | 1.66     | 1.73     | 0.78     |
| Propionaldehyde          | 0.05     | 0.13     | 0.04     |
| Crotonaldehyde           | 0.01     | 0.01     | ND       |
| Butyr/Isobutyraldehyde   | 0.02     | 0.24     | 0.08     |
| Benzaldehyde             | 0.03     | 0.06     | 0.01     |
| Isovaleraldehyde         | ND       | ND       | ND       |
| Valeraldehyde            | 0.01     | 0.08     | 0.01     |
| Tolualdehydes            | 0.04     | 0.06     | 0.01     |
| Hexaldehyde              | 0.18     | 0.26     | 0.02     |
| 2,5-Dimethylbenzaldehyde | 0.02     | ND       | ND       |

u - Concentration is below detection limit.

\* - Indicates a compound which was field blank subtracted.

\*\* - Indicates sample 3/20/01 Duplicate 2 appears to have a sampling error.

# Davenport, Iowa (DAIA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | Q1BH037  | Q1BM043  | F1D\$032 | Q1EO029  | Q1FK021  | Q1GZ008  | VOID     | Q1IZ021  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| ERG Sample ID            | 19189 FB | 19255 FB | 19702 FB | 19875 FB | 20404 FB | 21258 FB | 21797 FB | 22481 FB |
| Date Sampled             | 1/25/01  | 2/6/01   | 3/27/01  | 4/19/01  | 5/25/01  | 6/30/01  | 7/24/01  | 8/29/01  |
| Date Analyzed            | 2/9/01   | 2/14/01  | 5/1/01   | 5/16/01  | 6/12/01  | 7/26/01  | VOID     | 9/27/01  |
| Formaldehyde             | 0.02     | 0.06     | 0.16     | 0.03     | 0.05     | 0.03     |          | 0.01     |
| Acetaldehyde             | 0.06     | 0.18     | 0.11     | 0.03     | 0.07     | 0.04     |          | 0.07     |
| Acetone                  | 0.15     | 1.08     | 0.13     | 0.13     | 0.22     | 0.14     |          | 0.28     |
| Propionaldehyde          | ND       | 0.03     | 0.003    | ND       | ND       | ND       |          | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND       | ND       |          | ND       |
| Butyraldehyde            | 0.01     | 0.05     | 0.01     | ND       | ND       | ND       |          | ND       |
| Benzaldehyde             | 0.01     | 0.01     | 0.001    | ND       | ND       | ND       |          | ND       |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | ND       |          | ND       |
| Valeraldehyde            | ND       | ND       | 0.001    | ND       | ND       | ND       |          | ND       |
| Tolualdehydes            | 0.04     | 0.02     | ND       | ND       | 0.04     | ND       |          | ND       |
| Hexaldehyde              | ND       | 0.06     | 0.04     | 0.05     | ND       | 0.04     |          | 0.06     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | ND       |          | ND       |

# Davenport, Iowa (DAIA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | F1JZ028  | Q1JX054  | F1KZ006  | F2AN026  |
|--------------------------|----------|----------|----------|----------|
| ERG Sample ID            | 22996    | 23248    | 23890    | 24601    |
| Date Sampled             | 9/22/01  | 10/4/01  | 11/9/01  | 12/15/01 |
| Date Analyzed            | 10/27/01 | 10/25/01 | 11/26/01 | 1/15/02  |
|                          |          |          |          |          |
| Formaldehyde             | 0.09     | 0.06     | 0.04     | 0.05     |
| Acetaldehyde             | 0.07     | 0.18     | 0.08     | 0.05     |
| Acetone                  | 0.20     | 0.19     | 0.21     | 0.27     |
| Propionaldehyde          | ND       | ND       | 0.01     | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       |
| Butyraldehyde            | 0.18     | ND       | 0.05     | 0.05     |
| Benzaldehyde             | 0.01     | ND       | 0.02     | ND       |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.01     | ND       | 0.01     | ND       |
| Tolualdehydes            | 0.07     | 0.05     | 0.05     | 0.04     |
| Hexaldehyde              | 0.02     | 0.03     | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       |

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 18980   | 19023    | 19071    | 19125   | 19158   | 19230   | 19263   | 19317 D1 |
|--------------------------|---------|----------|----------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 1/1/01  | 1/7/01   | 1/13/01  | 1/19/01 | 1/25/01 | 1/31/01 | 2/6/01  | 2/12/01  |
| ANALYSIS DATE            | 1/30/01 | 1/31/01  | 1/31/01  | 2/7/01  | 2/9/01  | 2/14/01 | 2/27/01 | 3/1/01   |
| FILE NAME                | Q1A#017 | Q1A\$013 | Q1A\$014 | Q1BF025 | Q1BH021 | Q1BM021 | Q1B~009 | Q1B!035  |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     |
| Formaldehyde             | 7.17    | 3.81     | 4.10     | 15.45   | 4.77    | 3.63    | 5.31    | 5.99     |
| Acetaldehyde             | 3.20    | 1.38     | 1.56     | 4.75    | 2.14    | 1.69    | 2.09    | 3.13     |
| Acetone                  | 3.17    | 1.96     | 2.69     | 9.24    | 3.20    | 2.40    | 3.08    | 3.76     |
| Propionaldehyde          | 0.38    | 0.16     | 0.16     | 0.44    | 0.24    | 0.18    | 0.24    | 0.32     |
| Crotonaldehyde           | 0.14    | 0.04     | 0.09     | 0.14    | 0.13    | 0.10    | 0.09    | 0.13     |
| Butyr/Isobutyraldehyde   | 0.23    | 0.10     | 0.11     | 0.42    | 0.17    | 0.13    | 0.15    | 0.17     |
| Benzaldehyde             | 0.09    | 0.05     | 0.06     | 0.18    | 0.08    | 0.07    | 0.09    | 0.14     |
| Isovaleraldehyde         | 0.02    | ND       | ND       | 0.02    | ND      | 0.01    | ND      | ND       |
| Valeraldehyde            | 0.12    | 0.09     | 0.08     | 0.45    | 0.09    | 0.07    | 0.09    | 0.09     |
| Tolualdehydes            | 0.17    | 0.08     | 0.09     | 0.26    | 0.11    | 0.06    | 0.18    | 0.18     |
| Hexaldehyde              | 0.30    | 0.26     | 0.23     | 1.30    | 0.31    | 0.24    | 0.23    | 0.20     |
| 2,5-Dimethylbenzaldehyde | 0.03    | 0.01     | 0.00     | ND      | ND      | ND      | ND      | 0.04     |

u - Concentration is below the detection limit.

1 of 10

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19317 R1 | 19319 D2 | 19319 R2 | 19366 D1 | 19366 R1 | 19368 D2 | 19368 R2 | 19419   |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 2/12/01  | 2/12/01  | 2/12/01  | 2/18/01  | 2/18/01  | 2/18/01  | 2/18/01  | 2/24/01 |
| ANALYSIS DATE            | 3/1/01   | 3/1/01   | 3/1/01   | 3/7/01   | 3/7/01   | 3/7/01   | 3/7/01   | 3/13/01 |
| FILE NAME                | Q1B!036  | Q1B!037  | Q1B!038  | Q1CE045  | Q1CE046  | Q1CE047  | Q1CE048  | Q1CL018 |
| UNITS                    | ppbv     | ppbv    |
| Formaldehyde             | 5.99     | 6.24     | 6.35     | 6.64     | 6.89     | 6.34     | 5.95     | 3.44    |
| Acetaldehyde             | 3.17     | 3.31     | 3.34     | 3.44     | 3.55     | 3.24     | 3.12     | 1.25    |
| Acetone                  | 3.78     | 4.03     | 4.07     | 3.94     | 4.06     | 3.67     | 3.61     | 2.59    |
| Propionaldehyde          | 0.32     | 0.32     | 0.33     | 0.36     | 0.38     | 0.32     | 0.32     | 0.14    |
| Crotonaldehyde           | 0.14     | 0.16     | 0.14     | 0.17     | 0.13     | 0.11     | 0.11     | 0.05    |
| Butyr/Isobutyraldehyde   | 0.16     | 0.17     | 0.16     | 0.20     | 0.18     | 0.17     | 0.17     | 0.09    |
| Benzaldehyde             | 0.14     | 0.14     | 0.13     | 0.13     | 0.14     | 0.12     | 0.12     | 0.05    |
| Isovaleraldehyde         | ND       | ND      |
| Valeraldehyde            | 0.10     | 0.09     | 0.10     | 0.11     | 0.11     | 0.10     | 0.10     | 0.06    |
| Tolualdehydes            | 0.17     | 0.27     | 0.21     | 0.16     | 0.14     | 0.14     | 0.15     | 0.05    |
| Hexaldehyde              | 0.16     | 0.23     | 0.20     | 0.49     | 0.45     | 0.43     | 0.43     | 0.17    |
| 2,5-Dimethylbenzaldehyde | 0.05     | 0.03     | 0.03     | 0.01     | 0.02     | 0.02     | 0.02     | ND      |

u - Concentration is below the detection limit.

2 of 10

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19477   | 19505   | 19553   | 19622   | 19663    | 19747    | 19779   | 19824   |
|--------------------------|---------|---------|---------|---------|----------|----------|---------|---------|
| SAMPLE DATE              | 3/2/01  | 3/8/01  | 3/14/01 | 3/20/01 | 3/26/01  | 4/1/01   | 4/7/01  | 4/13/01 |
| ANALYSIS DATE            | 4/12/01 | 4/17/01 | 4/17/01 | 4/20/01 | 5/1/01   | 5/1/01   | 5/8/01  | 5/15/01 |
| FILE NAME                | F1DI039 | F1DP022 | F1DP044 | F1DS024 | F1D\$023 | F1D\$042 | F1EG014 | Q1EO012 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 3.58    | 4.80    | 3.35    | 4.69    | 4.33     | 3.28     | 4.04    | 4.19    |
| Acetaldehyde             | 1.43    | 1.95    | 1.30    | 1.94    | 2.09     | 1.07     | 1.47    | 1.45    |
| Acetone                  | 2.43    | 3.09    | 2.58    | 3.29    | 3.71     | 1.80     | 2.83    | 2.52    |
| Propionaldehyde          | 0.11    | 0.17    | 0.09    | 0.13    | 0.15     | 0.08     | 0.12    | 0.14    |
| Crotonaldehyde           | 0.01    | 0.02    | 0.01    | 0.02    | 0.03     | 0.01     | 0.01    | 0.05    |
| Butyr/Isobutyraldehyde   | 0.16    | 0.21    | 0.12    | 0.20    | 0.23     | 0.11     | 0.16    | 0.11    |
| Benzaldehyde             | 0.06    | 0.08    | 0.06    | 0.08    | 0.08     | 0.04     | 0.07    | 0.07    |
| Isovaleraldehyde         | ND      | ND      | ND      | ND      | ND       | 0.09     | ND      | ND      |
| Valeraldehyde            | 0.07    | 0.09    | 0.06    | 0.10    | 0.08     | 0.05     | 0.09    | 0.07    |
| Tolualdehydes            | 0.05    | 0.08    | 0.04    | 0.06    | 0.08     | 0.05     | 0.03    | 0.04    |
| Hexaldehyde              | 0.19    | 0.21    | 0.16    | 0.18    | 0.16     | 0.13     | 0.16    | 0.29    |
| 2,5-Dimethylbenzaldehyde | 0.01    | 0.003   | 0.004   | 0.01    | 0.01     | ND       | ND      | 0.02    |

u - Concentration is below the detection limit.

3 of 10

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19861   | 19944   | 19998   | 20059   | 20119 D1 | 20119 R1 | 20121 D2 | 20121 R2 |
|--------------------------|---------|---------|---------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 4/19/01 | 4/25/01 | 5/1/01  | 5/8/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/13/01  |
| ANALYSIS DATE            | 5/16/01 | 5/18/01 | 5/18/01 | 5/30/01 | 5/30/01  | 5/30/01  | 5/30/01  | 5/30/01  |
| FILE NAME                | Q1EO042 | Q1EQ026 | Q1EQ039 | Q1E#020 | Q1E#028  | Q1E#029  | Q1E#030  | Q1E#031  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 4.62    | 7.75    | 6.45    | 5.63    | 4.33     | 4.42     | 4.43     | 4.48     |
| Acetaldehyde             | 1.73    | 3.03    | 2.26    | 1.77    | 1.49     | 1.58     | 1.56     | 1.60     |
| Acetone                  | 2.76    | 5.24    | 4.67    | 2.57    | 2.93     | 2.99     | 2.97     | 3.09     |
| Propionaldehyde          | 0.20    | 0.37    | 0.27    | 0.15    | 0.17     | 0.14     | 0.16     | 0.16     |
| Crotonaldehyde           | 0.07    | 0.13    | ND      | 0.04    | 0.05     | ND       | 0.06     | 0.07     |
| Butyr/Isobutyraldehyde   | 0.09    | 0.22    | 0.11    | 0.10    | 0.09     | 0.11     | 0.11     | 0.14     |
| Benzaldehyde             | 0.08    | 0.21    | 0.13    | 0.10    | 0.07     | 0.07     | 0.07     | 0.11     |
| Isovaleraldehyde         | 0.02    | ND      | ND      | ND      | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.09    | 0.16    | 0.10    | 0.08    | 0.06     | 0.09     | 0.08     | 0.07     |
| Tolualdehydes            | 0.10    | 0.22    | 0.13    | 0.09    | 0.06     | 0.08     | 0.07     | 0.07     |
| Hexaldehyde              | 0.32    | 0.61    | 0.52    | 0.43    | 0.38     | 0.39     | 0.42     | 0.45     |
| 2,5-Dimethylbenzaldehyde | ND      | 0.03    | 0.003   | ND      | ND       | 0.01     | ND       | ND       |

u - Concentration is below the detection limit.

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20239 D1 | 20239 R1 | 20241 D2 | 20241 R2 | 20356   | 20429   | 20542   | 20615   |
|--------------------------|----------|----------|----------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/19/01  | 5/19/01  | 5/19/01  | 5/19/01  | 5/25/01 | 5/31/01 | 6/6/01  | 6/12/01 |
| ANALYSIS DATE            | 6/4/01   | 6/4/01   | 6/5/01   | 6/5/01   | VOID    | 6/18/01 | 6/22/01 | 6/22/01 |
| FILE NAME                | Q1FD021  | Q1FD022  | Q1FD023  | Q1FD024  | VOID    | Q1FR007 | Q1FU015 | Q1FU022 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 9.09     | 8.93     | 8.32     | 8.62     |         | 9.63    | 8.91    | 10.81   |
| Acetaldehyde             | 2.67     | 2.63     | 2.42     | 2.49     |         | 3.87    | 3.21    | 4.33    |
| Acetone                  | 2.65     | 2.58     | 2.83     | 2.87     |         | 3.80    | 2.18    | 4.12    |
| Propionaldehyde          | 0.26     | 0.21     | 0.25     | 0.21     |         | 0.36    | 0.14    | 0.44    |
| Crotonaldehyde           | 0.06     | ND       | 0.06     | 0.05     |         | 0.12    | 0.15    | 0.13    |
| Butyr/Isobutyraldehyde   | 0.17     | 0.18     | 0.17     | 0.18     |         | 0.18    | 0.10    | 0.24    |
| Benzaldehyde             | 0.13     | 0.17     | 0.14     | 0.14     |         | 0.23    | 0.17    | 0.21    |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       |         | ND      | ND      | ND      |
| Valeraldehyde            | 0.10     | 0.11     | 0.05     | 0.17     |         | 0.07    | 0.01    | 0.12    |
| Tolualdehydes            | 0.14     | 0.14     | 0.12     | 0.14     |         | 0.18    | 0.15    | 0.22    |
| Hexaldehyde              | 0.70     | 0.72     | 0.68     | 0.71     |         | 0.79    | 0.77    | 0.92    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       |         | ND      | ND      | 0.06    |

u - Concentration is below the detection limit.

5 of 10

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20803   | 21040   | 21209   | 21352   | 21549   | 21599   | 21823   | 21834   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 6/18/01 | 6/24/01 | 6/30/01 | 7/6/01  | 7/12/01 | 7/18/01 | 7/24/01 | 7/30/01 |
| ANALYSIS DATE            | 6/28/01 | 7/11/01 | 7/18/01 | 7/27/01 | 7/31/01 | 7/31/01 | VOID    | 8/12/01 |
| FILE NAME                | Q1F1011 | Q1GK012 | Q1GR010 | Q1G~010 | Q1G%016 | Q1G%022 | VOID    | F1HK041 |
| UNITS                    | ppbv    |
| Formaldehyde             | 7.69    | 8.21    | 8.22    | 7.36    | 5.81    | 6.33    |         | 5.91    |
| Acetaldehyde             | 2.69    | 2.48    | 2.89    | 2.68    | 1.71    | 1.99    |         | 2.06    |
| Acetone                  | 4.89    | 2.13    | 2.79    | 1.35    | 1.04    | 2.31    |         | 2.36    |
| Propionaldehyde          | 0.18    | 0.20    | 0.28    | 0.24    | 0.05    | 0.19    |         | 0.14    |
| Crotonaldehyde           | ND      | ND      | ND      | 0.05    | 0.07    | 0.07    |         | 0.01    |
| Butyr/Isobutyraldehyde   | 0.18    | 0.17    | 0.17    | 0.13    | 0.07    | 0.12    |         | 0.12    |
| Benzaldehyde             | 0.09    | 0.09    | 0.09    | 0.11    | 0.10    | 0.09    |         | 0.08    |
| Isovaleraldehyde         | ND      | ND      | ND      | 0.01    | ND      | ND      |         | 0.31    |
| Valeraldehyde            | 0.05    | 0.06    | 0.04    | 0.08    | 0.04    | 0.08    |         | 0.07    |
| Tolualdehydes            | 0.09    | 0.11    | 0.10    | 0.10    | 0.06    | 0.17    |         | 0.12    |
| Hexaldehyde              | 0.74    | 0.82    | 0.77    | 0.79    | 0.55    | 0.56    |         | 0.13    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | ND      | ND      | 0.03    |         | ND      |

u - Concentration is below the detection limit.

6 of 10

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22003   | 22096   | 22265 D1 | 22265 R1 | 22267 D2 | 22267 R2 | 22420   | 22472   |
|--------------------------|---------|---------|----------|----------|----------|----------|---------|---------|
| SAMPLE DATE              | 8/5/01  | 8/11/01 | 8/17/01  | 8/17/01  | 8/17/01  | 8/17/01  | 8/23/01 | 8/29/01 |
| ANALYSIS DATE            | 8/22/01 | 8/28/01 | 9/1/01   | 9/1/01   | 9/1/01   | 9/1/01   | 9/29/01 | 9/26/01 |
| FILE NAME                | Q1HV008 | Q1H-018 | Q1H%042  | Q1H%043  | Q1H%044  | Q1H%045  | F1I~059 | Q1IZ015 |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 5.66    | 5.33    | 5.55     | 6.01     | 5.71     | 5.70     | 5.53    | 5.64    |
| Acetaldehyde             | 1.64    | 1.85    | 2.11     | 2.27     | 2.21     | 2.17     | 1.77    | 1.63    |
| Acetone                  | 1.26    | 1.84    | 2.50     | 2.66     | 3.02     | 2.93     | 1.92    | 3.55    |
| Propionaldehyde          | 0.12    | 0.09    | 0.13     | 0.14     | 0.14     | 0.17     | 0.07    | 0.16    |
| Crotonaldehyde           | 0.03    | 0.05    | 0.06     | 0.06     | 0.07     | 0.06     | 0.02    | 0.07    |
| Butyr/Isobutyraldehyde   | 0.09    | 0.11    | 0.09     | 0.07     | 0.10     | 0.10     | 0.17    | 0.09    |
| Benzaldehyde             | 0.11    | 0.11    | 0.11     | 0.11     | 0.13     | 0.13     | 0.08    | 0.07    |
| Isovaleraldehyde         | ND      | ND      | ND       | ND       | ND       | ND       | ND      | ND      |
| Valeraldehyde            | 0.05    | 0.03    | 0.06     | 0.06     | 0.02     | 0.04     | 0.05    | 0.05    |
| Tolualdehydes            | 0.04    | 0.20    | 0.09     | 0.08     | 0.14     | 0.09     | 0.07    | 0.09    |
| Hexaldehyde              | 0.62    | 0.65    | 0.40     | 0.46     | 0.42     | 0.42     | 0.08    | 0.43    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.064   | ND       | ND       | ND       | ND       | ND      | ND      |

u - Concentration is below the detection limit.

7 of 10

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22604   | 22722   | 22838 D1 | 22838 R1 | 22840 D2 | 22840 R2 | 22951    | 23175    |
|--------------------------|---------|---------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/4/01  | 9/10/01 | 9/16/01  | 9/16/01  | 9/16/01  | 9/16/01  | 9/22/01  | 9/28/01  |
| ANALYSIS DATE            | 9/27/01 | 9/28/01 | 10/19/01 | 10/19/01 | 10/19/01 | 10/19/01 | 10/24/01 | 10/27/01 |
| FILE NAME                | Q1IZ027 | Q1IZ052 | Q1JS006  | Q1JS007  | Q1JS008  | Q1JS009  | Q1JX020  | F1JZ060  |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 6.28    | 6.34    | 5.87     | 5.77     | 6.18     | 6.00     | 5.78     | 6.32     |
| Acetaldehyde             | 1.99    | 2.14    | 1.94     | 1.96     | 2.05     | 1.99     | 1.75     | 2.81     |
| Acetone                  | 3.07    | 3.54    | 2.11     | 2.04     | 2.95     | 2.82     | 4.00     | 5.34     |
| Propionaldehyde          | 0.07    | 0.23    | 0.21     | 0.21     | 0.25     | 0.22     | 0.20     | 0.13     |
| Crotonaldehyde           | 0.05    | 0.10    | 0.06     | 0.06     | 0.05     | 0.07     | ND       | 0.03     |
| Butyr/Isobutyraldehyde   | 0.06    | 0.16    | 0.13     | 0.13     | 0.12     | 0.16     | 0.13     | 0.20     |
| Benzaldehyde             | 0.09    | 0.09    | 0.09     | 0.09     | 0.10     | 0.09     | ND       | 0.12     |
| Isovaleraldehyde         | ND      | 0.002   | ND       | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.03    | 0.09    | 0.07     | 0.06     | 0.07     | 0.06     | 0.08     | 0.06     |
| Tolualdehydes            | 0.08    | 0.11    | 0.07     | 0.07     | 0.11     | 0.14     | ND       | 0.09     |
| Hexaldehyde              | 0.46    | 0.41    | 0.41     | 0.41     | 0.48     | 0.46     | 0.39     | 0.07     |
| 2,5-Dimethylbenzaldehyde | 0.03    | ND      | 0.02     | 0.03     | 0.002    | 0.04     | ND       | ND       |

u - Concentration is below the detection limit.

8 of 10

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23301   | 23356    | 23463    | 23589    | 23674    | 23859    | 23901    | 23998    |
|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/4/01 | 10/10/01 | 10/16/01 | 10/22/01 | 10/28/01 | 11/3/01  | 11/9/01  | 11/15/01 |
| ANALYSIS DATE            | 11/9/01 | 11/2/01  | 11/6/01  | 11/10/01 | 11/12/01 | 11/20/01 | 11/26/01 | 11/28/01 |
| FILE NAME                | F1KH026 | F1KB006  | F1KE051  | F1KH059  | F1KL010  | F1KT011  | F1KZ019  | F1K!013  |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 5.18    | 4.63     | 7.64     | 6.28     | 5.76     | 4.94     | 4.78     | 4.98     |
| Acetaldehyde             | 1.57    | 1.38     | 3.72     | 1.99     | 2.42     | 2.02     | 2.41     | 2.01     |
| Acetone                  | 3.34    | 2.92     | 6.74     | 4.23     | 4.51     | 3.31     | 3.54     | 3.65     |
| Propionaldehyde          | 0.08    | 0.10     | 0.32     | 0.15     | 0.17     | 0.15     | 0.18     | 0.15     |
| Crotonaldehyde           | 0.01    | 0.01     | 0.04     | 0.03     | 0.03     | 0.02     | 0.03     | 0.03     |
| Butyr/Isobutyraldehyde   | 0.12    | 0.14     | 0.42     | 0.24     | 0.20     | 0.23     | 0.22     | 0.20     |
| Benzaldehyde             | 0.06    | 0.05     | 0.16     | 0.08     | 0.09     | 0.08     | 0.11     | 0.07     |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.06    | 0.08     | 0.16     | 0.12     | 0.13     | 0.10     | 0.11     | 0.10     |
| Tolualdehydes            | 0.07    | 0.07     | 0.15     | 0.10     | 0.13     | 0.07     | 0.09     | 0.08     |
| Hexaldehyde              | 0.09    | 0.12     | 0.20     | 0.18     | 0.15     | 0.12     | 0.13     | 0.12     |
| 2,5-Dimethylbenzaldehyde | ND      | ND       | ND       | ND       | 0.02     | ND       | ND       | 0.014    |

u - Concentration is below the detection limit.

9 of 10

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24046    | 24111    | 24248    | 24439   | 24521   | 24591    | 24801    | 24775    |
|--------------------------|----------|----------|----------|---------|---------|----------|----------|----------|
| SAMPLE DATE              | 11/18/01 | 11/21/01 | 11/27/01 | 12/3/01 | 12/9/01 | 12/15/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 11/29/01 | 12/7/01  | 12/12/01 | 1/7/02  | 1/14/02 | 1/15/02  | 1/18/02  | 1/17/02  |
| FILE NAME                | F1K!024  | F1LG005  | F1LK034  | F2AG016 | F2AN007 | F2AN025  | F2AR011  | F2AQ021  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 4.16     | 6.00     | 3.10     | 6.27    | 5.73    | 5.03     | 4.14     | 4.91     |
| Acetaldehyde             | 1.46     | 3.02     | 1.15     | 2.46    | 2.78    | 1.87     | 1.32     | 1.86     |
| Acetone                  | 2.46     | 4.39     | 1.76     | 3.38    | 3.44    | 2.92     | 2.28     | 2.79     |
| Propionaldehyde          | 0.11     | 0.21     | 0.09     | 0.16    | 0.22    | 0.14     | 0.10     | 0.20     |
| Crotonaldehyde           | 0.02     | 0.04     | 0.01     | 0.05    | 0.05    | 0.02     | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.15     | 0.26     | 0.12     | 0.18    | 0.25    | 0.17     | 0.16     | 0.19     |
| Benzaldehyde             | 0.05     | 0.12     | 0.05     | 0.11    | 0.10    | 0.06     | 0.05     | 0.07     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND      | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.08     | 0.13     | 0.05     | 0.12    | 0.12    | 0.08     | 0.08     | 0.10     |
| Tolualdehydes            | 0.06     | 0.11     | 0.04     | 0.06    | 0.06    | 0.05     | 0.06     | 0.05     |
| Hexaldehyde              | 0.11     | 0.14     | 0.08     | 0.14    | 0.17    | 0.14     | 0.14     | 0.15     |
| 2,5-Dimethylbenzaldehyde | 0.012    | ND       | 0.005    | ND      | ND      | ND       | ND       | ND       |

u - Concentration is below the detection limit.

10 of 10

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1BM022  | Q1B~010  | Q1CL019  | F1DP023  | F1D\$024 | Q1EO013  | Q1EO043  | Q1E#021  | VOID     | Q1FU023  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 19231 FB | 19264 FB | 19420 FB | 19506 FB | 19664 FB | 19825 FB | 19862 FB | 20058 FB | 20355 FB | 20614 FB |
| Sample Date              | 1/31/01  | 2/6/01   | 2/24/01  | 3/8/01   | 3/26/01  | 4/13/01  | 4/19/01  | 5/7/01   | 5/25/01  | 6/12/01  |
| Date Analyzed            | 2/14/01  | 2/27/01  | 3/13/01  | 4/17/01  | 5/1/01   | 5/15/01  | 5/16/01  | 5/30/01  | VOID     | 6/22/01  |
| Formaldehyde             | 0.063    | 0.134    | 0.060    | 0.046    | 0.223    | 0.015    | 0.021    | 0.027    |          | 0.056    |
| Acetaldehyde             | 0.077    | 0.052    | 0.090    | 0.096    | 0.095    | 0.097    | 0.039    | 0.044    |          | 0.094    |
| Acetone                  | 0.232    | 0.155    | 0.085    | 0.085    | 0.096    | 0.111    | 0.115    | 0.112    |          | 0.173    |
| Propionaldehyde          | ND       | ND       | 0.001    | ND       | 0.001    | ND       | ND       | ND       |          | ND       |
| Crotonaldehyde           | ND       | ND       | 0.001    | ND       | ND       | ND       | ND       | ND       |          | ND       |
| Butyraldehyde            | 0.001    | ND       | ND       | 0.017    | 0.008    | ND       | ND       | ND       |          | ND       |
| Benzaldehyde             | 0.020    | 0.019    | 0.012    | ND       | ND       | ND       | ND       | ND       |          | ND       |
| Isovaleraldehyde         | ND       |          | ND       |
| Valeraldehyde            | ND       | ND       | ND       | 0.002    | ND       | ND       | ND       | ND       |          | ND       |
| Tolualdehydes            | ND       | 0.038    | ND       | ND       | ND       | ND       | ND       | ND       |          | 0.252    |
| Hexaldehyde              | 0.034    | 0.039    | 0.050    | 0.050    | 0.057    | ND       | ND       | 0.013    |          | ND       |
| 2,5-Dimethylbenzaldehyde | ND       |          | ND       |

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1GR009  | Q1G%021  | VOID     | Q1H~017  | Q1IZ014  | Q1IZ026  | Q1JX019  | F1KH025  | F1KH058  | F1KZ018  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 21208 FB | 21598 FB | 21822 FB | 22095 FB | 22471 FB | 22603 FB | 22950 FB | 23300 FB | 23588 FB | 23900 FB |
| Sample Date              | 6/30/01  | 7/18/01  | 7/24/01  | 8/11/01  | 8/29/01  | 9/4/01   | 9/22/01  | 10/4/01  | 10/22/01 | 11/9/01  |
| Date Analyzed            | 7/18/01  | 7/31/01  | VOID     | 8/27/01  | 9/26/01  | 9/27/01  | 10/24/01 | 11/9/01  | 11/10/01 | 11/26/01 |
| Formaldehyde             | 0.032    | 0.008    |          | 0.069    | 0.025    | 0.022    | 0.029    | 0.056    | 0.065    | 0.047    |
| Acetaldehyde             | 0.083    | 0.046    |          | 0.087    | 0.098    | 0.144    | 0.061    | 0.078    | 0.047    | 0.122    |
| Acetone                  | 0.262    | 0.101    |          | 0.104    | 0.289    | 0.260    | 0.233    | 0.221    | 0.206    | 0.188    |
| Propionaldehyde          | ND       | ND       |          | ND       | ND       | ND       | ND       | ND       | ND       | 0.007    |
| Crotonaldehyde           | ND       | ND       |          | ND       |
| Butyraldehyde            | 0.001    | ND       |          | ND       | ND       | ND       | ND       | 0.196    | 0.211    | 0.081    |
| Benzaldehyde             | ND       | ND       |          | 0.009    | ND       | ND       | ND       | 0.019    | 0.015    | 0.016    |
| Isovaleraldehyde         | ND       | ND       |          | ND       |
| Valeraldehyde            | ND       | ND       |          | ND       | ND       | ND       | ND       | 0.007    | 0.014    | 0.012    |
| Tolualdehydes            | ND       | 0.356    |          | ND       | 0.070    | ND       | ND       | 0.112    | 0.079    | 0.045    |
| Hexaldehyde              | 0.082    | 0.029    |          | ND       | 0.034    | 0.047    | 0.050    | 0.024    | 0.019    | 0.018    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       |          | ND       | ND       | 0.035    | ND       | ND       | ND       | ND       |

# Denver, Colorado (DECO) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

|                          | F1LK033  | F2AN006  | F2AN024  |
|--------------------------|----------|----------|----------|
| Data File ID             |          |          |          |
| FB ID                    | 24247 FB | 24520 FB | 24590 FB |
| Sample Date              | 11/27/01 | 12/9/01  | 12/15/01 |
| Date Analyzed            | 12/12/01 | 1/14/02  | 1/15/02  |
| Formaldehyde             | 0.015    | 0.055    | 0.034    |
| Acetaldehyde             | 0.027    | 0.039    | 0.100    |
| Acetone                  | 0.229    | 0.275    | 0.290    |
| Propionaldehyde          | ND       | ND       | 0.008    |
| Crotonaldehyde           | ND       | ND       | 0.008    |
| Butyraldehyde            | 0.070    | 0.033    | 0.049    |
| Benzaldehyde             | 0.012    | 0.010    | 0.010    |
| Isovaleraldehyde         | ND       | ND       | ND       |
| Valeraldehyde            | ND       | ND       | ND       |
| Tolualdehydes            | 0.007    | 0.005    | ND       |
| Hexaldehyde              | 0.017    | 0.018    | 0.022    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       |

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19910 D1 | 19910 R1 | 19911 D2 | 19912 D2 | 19912 R2 | 20013   | 20014   | 20015 D1 |
|--------------------------|----------|----------|----------|----------|----------|---------|---------|----------|
| SAMPLE DATE              | 4/21/01  | 4/21/01  | 4/21/01  | 4/22/01  | 4/22/01  | 4/23/01 | 4/24/01 | 4/25/01  |
| ANALYSIS DATE            | 5/18/01  | 5/18/01  | VOID     | 5/18/01  | 5/18/01  | VOID    | 5/17/01 | 5/17/01  |
| FILE NAME                | #Q1EQ044 | #Q1EQ045 | VOID     | #Q1EQ046 | #Q1EQ047 | VOID    | F1EQ005 | F1EQ006  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv     |
| Formaldehyde             | 0.02     | 0.02     |          | 0.02     | 0.04     |         | 2.35    | 2.18     |
| Acetaldehyde             | 0.01     | 0.02     |          | 0.02     | 0.11     |         | 0.70    | 0.88     |
| Acetone                  | 0.03     | 0.04     |          | 0.07     | 0.07     |         | 2.24    | 3.21     |
| Propionaldehyde          | ND       | ND       |          | ND       | ND       |         | 0.08    | 0.09     |
| Crotonaldehyde           | ND       | ND       |          | ND       | ND       |         | 0.01    | 0.01     |
| Butyr/Isobutyraldehyde   | ND       | ND       |          | 0.002u   | ND       |         | 0.15    | 0.25     |
| Benzaldehyde             | ND       | 0.001u   |          | ND       | ND       |         | 0.04    | 0.05     |
| Isovaleraldehyde         | ND       | ND       |          | ND       | ND       |         | ND      | ND       |
| Valeraldehyde            | ND       | ND       |          | ND       | ND       |         | 0.03    | 0.05     |
| Tolualdehydes            | ND       | ND       |          | ND       | ND       |         | ND      | ND       |
| Hexaldehyde              | ND       | 0.01     |          | ND       | ND       |         | 0.05    | 0.09     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       |          | ND       | ND       |         | ND      | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20019 D2 | 20020   | 20021   | 20022   | 20023   | 20026  | 20167   | 20168   |
|--------------------------|----------|---------|---------|---------|---------|--------|---------|---------|
| SAMPLE DATE              | 4/25/01  | 4/26/01 | 4/27/01 | 4/29/01 | 4/30/01 | 5/1/01 | 5/2/01  | 5/3/01  |
| ANALYSIS DATE            | 5/17/01  | 5/17/01 | VOID    | 5/18/01 | VOID    | VOID   | 7/26/01 | 7/26/01 |
| FILE NAME                | F1EQ010  | F1EQ011 | VOID    | F1EQ012 | VOID    | VOID   | F1GZ005 | F1GZ006 |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv   | ppbv    | ppbv    |
| Formaldehyde             | 3.18     | 7.67    |         | 3.68    |         |        | 5.60    | 5.70    |
| Acetaldehyde             | 1.11     | 1.73    |         | 1.79    |         |        | 2.08    | 1.93    |
| Acetone                  | 4.15     | 3.36    |         | 3.20    |         |        | 2.00    | 2.27    |
| Propionaldehyde          | 0.12     | 0.20    |         | 0.19    |         |        | 0.27    | 0.26    |
| Crotonaldehyde           | 0.01     | 0.01    |         | 0.01    |         |        | 0.02    | 0.03    |
| Butyr/Isobutyraldehyde   | 0.32     | 0.26    |         | 0.24    |         |        | 0.32    | 0.29    |
| Benzaldehyde             | 0.05     | 0.08    |         | 0.08    |         |        | 0.08    | 0.08    |
| Isovaleraldehyde         | ND       | ND      |         | ND      |         |        | ND      | ND      |
| Valeraldehyde            | 0.05     | 0.05    |         | 0.06    |         |        | 0.08    | 0.08    |
| Tolualdehydes            | ND       | ND      |         | ND      |         |        | 0.08    | 0.10    |
| Hexaldehyde              | 0.08     | 0.08    |         | 0.10    |         |        | 0.14    | 0.11    |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.01    |         | 0.01    |         |        | 0.003   | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20169 D1 | 20169 R1 | 20170 D2 | 20170 R2 | 20171   | 20172   | 20173 D2 | 20164   |
|--------------------------|----------|----------|----------|----------|---------|---------|----------|---------|
| SAMPLE DATE              | 5/4/01   | 5/4/01   | 5/4/01   | 5/4/01   | 5/5/01  | 5/6/01  | 5/8/01   | 5/9/01  |
| ANALYSIS DATE            | 7/27/01  | 7/27/01  | 7/27/01  | 7/27/01  | 7/26/01 | 7/26/01 | VOID     | 7/26/01 |
| FILE NAME                | F1GZ028  | F1GZ029  | F1GZ030  | F1GZ031  | F1GZ007 | F1GZ008 | VOID     | F1GZ009 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv     | ppbv    |
| Formaldehyde             | 6.26     | 6.24     | 5.42     | 5.40     | 0.06    | 0.09    |          | 2.83    |
| Acetaldehyde             | 2.45     | 2.42     | 2.36     | 2.38     | 0.05    | 0.07    |          | 1.01    |
| Acetone                  | 2.40     | 2.39     | 1.67     | 0.39     | 0.13    | 0.14    |          | 2.27    |
| Propionaldehyde          | 0.29     | 0.31     | 0.38     | 0.06     | ND      | 0.0002u |          | 0.09    |
| Crotonaldehyde           | 0.02     | 0.04     | 0.02     | 0.02     | ND      | ND      |          | ND      |
| Butyr/Isobutyraldehyde   | 0.35     | 0.41     | 0.32     | 0.32     | 0.01    | 0.01    |          | 0.18    |
| Benzaldehyde             | 0.10     | 0.10     | 0.11     | 0.11     | 0.01    | 0.01    |          | 0.06    |
| Isovaleraldehyde         | 0.10     | ND       | ND       | ND       | ND      | ND      |          | ND      |
| Valeraldehyde            | 0.10     | 0.09     | 0.10     | 0.11     | ND      | ND      |          | ND      |
| Tolualdehydes            | 0.13     | 0.15     | 0.15     | 0.18     | 0.01    | 0.01    |          | 0.08    |
| Hexaldehyde              | 0.16     | 0.16     | 0.17     | 0.17     | 0.01    | 0.005   |          | 0.05    |
| 2,5-Dimethylbenzaldehyde | 0.004    | 0.001u   | 0.03     | ND       | 0.02    | 0.01    |          | 0.01    |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20160   | 20161   | 20162 D1 | 20325 D2 | 20315   | 20316 D1 | 20316 R1 | 20317   |
|--------------------------|---------|---------|----------|----------|---------|----------|----------|---------|
| SAMPLE DATE              | 5/11/01 | 5/12/01 | 5/13/01  | 5/13/01  | 5/14/01 | 5/15/01  | 5/15/01  | 5/17/01 |
| ANALYSIS DATE            | 6/14/01 | VOID    | VOID     | 6/15/01  | 6/14/01 | 6/15/01  | 6/15/01  | 6/14/01 |
| FILE NAME                | F1FN008 | VOID    | VOID     | F1FN025  | F1FN016 | F1FN051  | F1FN052  | F1FN017 |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv    |
| Formaldehyde             | 3.08    |         |          | 1.79     | 2.42    | 3.03     | 2.81     | 7.95    |
| Acetaldehyde             | 1.19    |         |          | 1.00     | 1.24    | 1.73     | 1.64     | 3.40    |
| Acetone                  | 1.31    |         |          | 2.14     | 1.47    | 1.67     | 1.55     | 0.72    |
| Propionaldehyde          | 0.14    |         |          | 0.13     | 0.15    | 0.21     | 0.20     | 0.54    |
| Crotonaldehyde           | 0.01    |         |          | 0.01     | 0.02    | 0.01     | 0.01     | 0.01    |
| Butyr/Isobutyraldehyde   | 0.18    |         |          | 0.23     | 0.26    | 0.31     | 0.29     | 0.39    |
| Benzaldehyde             | 0.06    |         |          | 0.09     | 0.11    | 0.13     | 0.11     | 0.15    |
| Isovaleraldehyde         | ND      |         |          | 0.34     | ND      | ND       | ND       | ND      |
| Valeraldehyde            | 0.04    |         |          | 0.08     | 0.08    | 0.07     | 0.08     | 0.13    |
| Tolualdehydes            | 0.02    |         |          | 0.03     | 0.05    | 0.05     | 0.05     | 0.06    |
| Hexaldehyde              | 0.09    |         |          | 0.10     | 0.12    | 0.15     | 0.14     | 0.19    |
| 2,5-Dimethylbenzaldehyde | ND      |         |          | ND       | 0.01    | 0.01     | 0.003u   | 0.01    |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20318   | 20319   | 20320 D1 | 20326 D2 | 20326 R2 | 20321   | 20322 D1 | 20322 R1 |
|--------------------------|---------|---------|----------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 5/18/01 | 5/19/01 | 5/20/01  | 5/20/01  | 5/20/01  | 5/21/01 | 5/22/01  | 5/22/01  |
| ANALYSIS DATE            | 6/14/01 | 6/15/01 | 6/15/01  | 6/15/01  | 6/16/01  | 6/15/01 | 6/15/01  | 6/15/01  |
| FILE NAME                | F1FN018 | F1FN020 | F1FN021  | F1FN055  | F1FN056  | F1FN022 | F1FN053  | F1FN054  |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 7.19    | 4.44    | 3.66     | 3.14     | 2.85     | 2.81    | 2.86     | 2.96     |
| Acetaldehyde             | 3.76    | 3.06    | 2.30     | 1.98     | 1.86     | 1.54    | 0.75     | 0.79     |
| Acetone                  | 1.75    | 1.65    | 1.31     | 1.42     | 1.32     | 0.52    | 1.67     | 1.73     |
| Propionaldehyde          | 0.61    | 0.37    | 0.29     | 0.18     | 0.17     | 0.23    | 0.07     | 0.07     |
| Crotonaldehyde           | 0.03    | 0.02    | 0.01     | 0.01     | 0.02     | 0.01    | 0.002u   | ND       |
| Butyr/Isobutyraldehyde   | 0.40    | 0.34    | 0.29     | 0.24     | 0.25     | 0.12    | 0.12     | 0.13     |
| Benzaldehyde             | 0.19    | 0.18    | 0.15     | 0.15     | 0.13     | 0.11    | 0.04     | 0.04     |
| Isovaleraldehyde         | ND      | ND      | ND       | ND       | ND       | ND      | ND       | ND       |
| Valeraldehyde            | 0.12    | 0.15    | 0.13     | 0.10     | 0.10     | 0.08    | 0.02     | 0.02     |
| Tolualdehydes            | 0.06    | 0.10    | 0.05     | 0.04     | 0.04     | 0.04    | 0.02     | 0.02     |
| Hexaldehyde              | 0.16    | 0.23    | 0.20     | 0.15     | 0.15     | 0.13    | 0.06     | 0.04     |
| 2,5-Dimethylbenzaldehyde | 0.02    | 0.01    | 0.01     | 0.01     | 0.01     | 0.02    | 0.002u   | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20327 D2 | 20327 R2 | 20323   | 20324   | 20471   | 20472   | 20475 D2 | 20473   |
|--------------------------|----------|----------|---------|---------|---------|---------|----------|---------|
| SAMPLE DATE              | 5/22/01  | 5/22/01  | 5/23/01 | 5/24/01 | 5/26/01 | 5/27/01 | 5/28/01  | 5/29/01 |
| ANALYSIS DATE            | 6/16/01  | 6/16/01  | 6/15/01 | 6/15/01 | 6/20/01 | 6/20/01 | 6/20/01  | 6/20/01 |
| FILE NAME                | F1FN057  | F1FN058  | F1FN023 | F1FN024 | F1FT011 | F1FT012 | F1FT015  | F1FT013 |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv    |
| Formaldehyde             | 4.14     | 4.05     | 1.50    | 2.12    | 2.21    | 1.17    | 2.64     | 2.23    |
| Acetaldehyde             | 1.56     | 1.59     | 0.65    | 1.01    | 0.81    | 0.60    | 0.77     | 0.94    |
| Acetone                  | 3.63     | 3.77     | 1.54    | 1.00    | 1.01    | 0.58    | 1.39     | 1.71    |
| Propionaldehyde          | 0.14     | 0.17     | 0.07    | 0.11    | 0.09    | 0.07    | 0.10     | 0.12    |
| Crotonaldehyde           | 0.01     | 0.02     | 0.01    | 0.01    | 0.01    | 0.01    | ND       | 0.01    |
| Butyr/Isobutyraldehyde   | 0.32     | 0.35     | 0.13    | 0.18    | 0.16    | 0.08    | 0.11     | 0.21    |
| Benzaldehyde             | 0.12     | 0.12     | 0.05    | 0.07    | 0.07    | 0.05    | 0.04     | 0.08    |
| Isovaleraldehyde         | ND       | ND       | ND      | ND      | 0.29    | 0.20    | ND       | 0.31    |
| Valeraldehyde            | 0.11     | 0.10     | 0.04    | 0.03    | 0.05    | 0.05    | 0.03     | 0.05    |
| Tolualdehydes            | 0.03     | 0.04     | 0.04    | 0.04    | 0.03    | 0.03    | 0.03     | 0.08    |
| Hexaldehyde              | 0.16     | 0.16     | 0.08    | 0.09    | 0.07    | 0.06    | 0.06     | 0.10    |
| 2,5-Dimethylbenzaldehyde | 0.05     | 0.04     | 0.02    | 0.03    | 0.02    | 0.03    | 0.01     | 0.03    |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20474   | 20469 D1 | 20469 R1 | 20470 D2 | 20470 R2 | 20467   | 20466   | 20560   |
|--------------------------|---------|----------|----------|----------|----------|---------|---------|---------|
| SAMPLE DATE              | 5/30/01 | 5/31/01  | 5/31/01  | 5/31/01  | 5/31/01  | 6/1/01  | 6/2/01  | 6/4/01  |
| ANALYSIS DATE            | 6/20/01 | 6/21/01  | 6/21/01  | 6/21/01  | 6/21/01  | 6/20/01 | 6/20/01 | 6/28/01 |
| FILE NAME                | F1FT014 | F1FT019  | F1FT020  | F1FT021  | F1FT022  | F1FT009 | F1FT008 | F1F!009 |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 2.67    | 4.00     | 3.84     | 1.87     | 1.91     | 1.24    | 1.68    | 4.13    |
| Acetaldehyde             | 1.08    | 1.57     | 1.48     | 0.63     | 0.76     | 0.54    | 0.91    | 1.87    |
| Acetone                  | 2.96    | 2.98     | 2.88     | 2.44     | 2.49     | 0.73    | 1.23    | 2.04    |
| Propionaldehyde          | 0.16    | 0.16     | 0.16     | 0.09     | 0.11     | 0.06    | 0.11    | 0.18    |
| Crotonaldehyde           | 0.02    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01    | 0.02    | 0.01    |
| Butyr/Isobutyraldehyde   | 0.22    | 0.23     | 0.22     | 0.23     | 0.23     | 0.12    | 0.15    | 0.28    |
| Benzaldehyde             | 0.10    | 0.07     | 0.07     | 0.10     | 0.10     | 0.05    | 0.07    | 0.08    |
| Isovaleraldehyde         | ND      | ND       | ND       | 0.38     | 0.39     | 0.22    | 0.24    | ND      |
| Valeraldehyde            | 0.09    | 0.06     | 0.06     | 0.07     | 0.07     | 0.05    | 0.06    | 0.09    |
| Tolualdehydes            | 0.05    | 0.07     | 0.05     | 0.04     | 0.04     | 0.03    | 0.01    | 0.05    |
| Hexaldehyde              | 0.07    | 0.11     | 0.08     | 0.08     | 0.10     | 0.06    | 0.07    | 0.08    |
| 2,5-Dimethylbenzaldehyde | 0.02    | ND       | 0.02     | 0.02     | 0.03     | 0.05    | 0.03    | 0.01    |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20561   | 20562   | 20931   | 20638   | 20639 D1 | 20640 D2 | 20640 R2 | 20641   |
|--------------------------|---------|---------|---------|---------|----------|----------|----------|---------|
| SAMPLE DATE              | 6/5/01  | 6/6/01  | 6/7/01  | 6/8/01  | 6/9/01   | 6/9/01   | 6/9/01   | 6/10/01 |
| ANALYSIS DATE            | 6/28/01 | 6/28/01 | 7/23/01 | 7/23/01 | VOID     | 7/23/01  | 7/23/01  | 7/23/01 |
| FILE NAME                | F1F!010 | F1F!011 | Q1GW019 | Q1GW007 | VOID     | Q1GW017  | Q1GW018  | Q1GW008 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv    |
| Formaldehyde             | 3.45    | 3.77    | 3.10    | 5.02    |          | 2.49     | 2.35     | 3.19    |
| Acetaldehyde             | 1.61    | 1.70    | 1.58    | 2.53    |          | 1.83     | 1.58     | 1.41    |
| Acetone                  | 0.28    | 1.14    | 2.10    | 2.12    |          | 0.93     | 0.81     | 0.23    |
| Propionaldehyde          | 0.05    | 0.22    | 0.27    | 0.38    |          | 0.32     | 0.26     | 0.25    |
| Crotonaldehyde           | 0.02    | 0.01    | 0.08    | 0.05    |          | 0.10     | 0.10     | 0.03    |
| Butyr/Isobutyraldehyde   | 0.35    | 0.19    | 0.24    | 0.35    |          | 0.22     | 0.27     | 0.17    |
| Benzaldehyde             | 0.06    | 0.08    | 0.06    | 0.14    |          | 0.13     | 0.09     | 0.10    |
| Isovaleraldehyde         | ND      | ND      | ND      | ND      |          | ND       | ND       | ND      |
| Valeraldehyde            | 0.08    | 0.06    | 0.13    | 0.12    |          | 0.07     | 0.08     | 0.07    |
| Tolualdehydes            | 0.06    | 0.05    | 0.08    | 0.24    |          | 0.16     | 0.07     | 0.10    |
| Hexaldehyde              | 0.06    | 0.06    | 0.37    | 0.68    |          | 0.58     | 0.61     | 0.56    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.004   | 0.03    | 0.07    |          | 0.15     | 0.05     | 0.03    |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20642   | 20932   | 20933   | 20934 D2 | 20935   | 20936   | 20937 D1 | 20937 R1 |
|--------------------------|---------|---------|---------|----------|---------|---------|----------|----------|
| SAMPLE DATE              | 6/11/01 | 6/13/01 | 6/14/01 | 6/15/01  | 6/16/01 | 6/17/01 | 6/18/01  | 6/18/01  |
| ANALYSIS DATE            | 7/23/01 | VOID    | 7/23/01 | 7/23/01  | 7/23/01 | 7/23/01 | 7/24/01  | 7/24/01  |
| FILE NAME                | Q1GW009 | VOID    | Q1GW020 | Q1GW021  | Q1GW022 | Q1GW023 | Q1GW032  | Q1GW033  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv    | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 1.88    |         | 1.06    | 1.96     | 2.01    | 1.65    | 4.10     | 3.82     |
| Acetaldehyde             | 0.09    |         | 0.09    | 0.06     | 0.94    | 0.52    | 2.12     | 2.02     |
| Acetone                  | 0.04    |         | 0.02    | 0.03     | 0.38    | 0.15    | 0.81     | 0.76     |
| Propionaldehyde          | ND      |         | 0.02    | ND       | 0.21    | 0.14    | 0.29     | 0.26     |
| Crotonaldehyde           | 0.20    |         | 0.28    | 0.31     | 0.12    | 0.11    | 0.15     | 0.14     |
| Butyr/Isobutyraldehyde   | 0.11    |         | 0.05    | 0.10     | 0.13    | 0.11    | 0.17     | 0.20     |
| Benzaldehyde             | 0.08    |         | 0.08    | 0.09     | 0.06    | 0.06    | 0.09     | 0.10     |
| Isovaleraldehyde         | ND      |         | ND      | ND       | ND      | ND      | ND       | ND       |
| Valeraldehyde            | 0.02    |         | 0.002u  | 0.03     | 0.02    | 0.01    | 0.05     | 0.04     |
| Tolualdehydes            | 0.05    |         | 0.14    | 0.04     | 0.06    | 0.03    | 0.09     | 0.10     |
| Hexaldehyde              | 0.35    |         | 0.56    | 0.52     | 0.41    | 0.35    | 0.64     | 0.57     |
| 2,5-Dimethylbenzaldehyde | ND      |         | ND      | ND       | ND      | 0.002u  | 0.08     | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20938 D2 | 20938 R2 | 20939   | 21053   | 21054   | 21055   | 21056   | 21326   |
|--------------------------|----------|----------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 6/18/01  | 6/18/01  | 6/19/01 | 6/20/01 | 6/22/01 | 6/23/01 | 6/24/01 | 6/25/01 |
| ANALYSIS DATE            | 7/24/01  | 7/24/01  | 7/23/01 | 7/24/01 | 7/24/01 | 7/24/01 | VOID    | VOID    |
| FILE NAME                | Q1GW034  | Q1GW035  | Q1GW024 | Q1GW027 | Q1GW028 | Q1GW029 | VOID    | VOID    |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 5.93     | 5.09     | 1.79    | 5.06    | 2.42    | 2.69    |         |         |
| Acetaldehyde             | 2.02     | 1.75     | 0.10    | 2.83    | 1.16    | 1.76    |         |         |
| Acetone                  | 1.31     | 1.07     | 0.03    | 0.57    | 0.39    | 0.53    |         |         |
| Propionaldehyde          | 0.31     | 0.24     | 0.02    | 0.37    | 0.15    | 0.22    |         |         |
| Crotonaldehyde           | ND       | ND       | 0.27    | 0.17    | 0.14    | 0.10    |         |         |
| Butyr/Isobutyraldehyde   | 0.23     | 0.21     | 0.09    | 0.25    | 0.12    | 0.17    |         |         |
| Benzaldehyde             | 0.05     | 0.04     | 0.05    | 0.13    | 0.06    | 0.10    |         |         |
| Isovaleraldehyde         | ND       | ND       | ND      | ND      | ND      | ND      |         |         |
| Valeraldehyde            | 0.08     | 0.04     | 0.05    | 0.05    | 0.02    | 0.06    |         |         |
| Tolualdehydes            | 0.08     | 0.04     | 0.07    | 0.16    | 0.12    | 0.03    |         |         |
| Hexaldehyde              | 0.32     | 0.20     | 0.60    | 0.56    | 0.32    | 0.47    |         |         |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND      | 0.06    | ND      | ND      |         |         |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21438   | 21327 D1 | 21327 R1 | 21328 D2 | 21328 R2 | 21329   | 21330   | 21435   |
|--------------------------|---------|----------|----------|----------|----------|---------|---------|---------|
| SAMPLE DATE              | 6/26/01 | 6/27/01  | 6/27/01  | 6/27/01  | 6/27/01  | 6/28/01 | 6/29/01 | 7/1/01  |
| ANALYSIS DATE            | 7/24/01 | 7/25/01  | 7/25/01  | 7/25/01  | 7/25/01  | 7/24/01 | 7/24/01 | 7/30/01 |
| FILE NAME                | F1GX009 | Q1GW063  | Q1GW064  | Q1GW065  | Q1GW066  | Q1GW060 | F1GX006 | F1G#025 |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.28    | 1.59     | 1.53     | 5.84     | 5.23     | 1.08    | 0.48    | 0.85    |
| Acetaldehyde             | 0.11    | 0.06     | 0.05     | 1.50     | 1.35     | 0.05    | 0.02    | 0.54    |
| Acetone                  | 0.06    | 0.02     | 0.10     | 0.86     | 0.77     | 0.02    | 0.03    | 0.41    |
| Propionaldehyde          | 0.04    | 0.05     | 0.09     | 0.27     | 0.21     | 0.04    | 0.01    | 0.08    |
| Crotonaldehyde           | 0.01    | 0.27     | 0.22     | ND       | ND       | 0.18    | 0.02    | 0.02    |
| Butyr/Isobutyraldehyde   | 0.05    | 0.08     | 0.06     | 0.04     | 0.03     | 0.05    | 0.05    | 0.08    |
| Benzaldehyde             | 0.07    | 0.18     | 0.07     | 0.08     | 0.06     | 0.05    | 0.05    | 0.05    |
| Isovaleraldehyde         | 0.38    | ND       | ND       | ND       | ND       | ND      | 0.31    | ND      |
| Valeraldehyde            | 0.06    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01    | 0.04    | 0.04    |
| Tolualdehydes            | 0.04    | 0.09     | 0.05     | 0.19     | 0.11     | 0.03    | 0.03    | 0.05    |
| Hexaldehyde              | 0.04    | 0.43     | 0.42     | 0.28     | 0.26     | 0.38    | 0.02    | 0.06    |
| 2,5-Dimethylbenzaldehyde | 0.01    | ND       | ND       | ND       | ND       | ND      | 0.01    | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21434   | 21433 D2 | 21432   | 21431   | 21504 D1 | 21504 R1 | 21430 D2 | 21430 R2 |
|--------------------------|---------|----------|---------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 7/2/01  | 7/3/01   | 7/4/01  | 7/5/01  | 7/6/01   | 7/6/01   | 7/6/01   | 7/6/01   |
| ANALYSIS DATE            | 7/30/01 | 7/30/01  | 7/30/01 | 7/30/01 | 8/2/01   | 8/2/01   | 7/30/01  | 7/30/01  |
| FILE NAME                | F1G#024 | F1G#023  | F1G#022 | F1G#021 | F1HA022  | F1HA023  | F1G#019  | F1G#020  |
| UNITS                    | ppbv    | ppbv     | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.13    | 2.68     | 1.23    | 1.54    | 1.66     | 1.67     | 2.86     | 2.95     |
| Acetaldehyde             | 0.57    | 0.92     | 0.68    | 0.80    | 0.90     | 0.73     | 1.12     | 1.12     |
| Acetone                  | 1.27    | 0.59     | 0.43    | 1.18    | 1.31     | 1.31     | 0.85     | 0.89     |
| Propionaldehyde          | 0.07    | 0.12     | 0.10    | 0.10    | 0.08     | 0.09     | 0.17     | 0.16     |
| Crotonaldehyde           | 0.01    | 0.02     | 0.01    | 0.01    | 0.01     | 0.02     | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.11    | 0.09     | 0.094   | 0.12    | 0.12     | 0.11     | 0.14     | 0.14     |
| Benzaldehyde             | 0.034   | 0.04     | 0.04    | 0.04    | 0.05     | 0.04     | 0.05     | 0.05     |
| Isovaleraldehyde         | ND      | ND       | ND      | ND      | 0.30     | 0.25     | ND       | ND       |
| Valeraldehyde            | 0.05    | 0.03     | 0.05    | 0.05    | 0.05     | 0.04     | 0.05     | 0.06     |
| Tolualdehydes            | 0.06    | 0.04     | 0.06    | 0.07    | 0.03     | 0.03     | 0.07     | 0.03     |
| Hexaldehyde              | 0.08    | 0.04     | 0.07    | 0.09    | 0.04     | 0.05     | 0.05     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND      | 0.01     | ND      | ND      | 0.01     | 0.01     | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21503   | 21505   | 21506   | 21663   | 21662   | 21660 D1 | 21660 R1 | 21661 D2 |
|--------------------------|---------|---------|---------|---------|---------|----------|----------|----------|
| SAMPLE DATE              | 7/7/01  | 7/8/01  | 7/12/01 | 7/13/01 | 7/14/01 | 7/15/01  | 7/15/01  | 7/15/01  |
| ANALYSIS DATE            | 8/1/01  | 8/1/01  | 8/1/01  | 8/7/01  | 8/7/01  | 8/7/01   | 8/7/01   | 8/7/01   |
| FILE NAME                | F1HA008 | F1HA009 | F1HA010 | F1HF022 | F1HF021 | F1HF016  | F1HF017  | F1HF019  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 2.11    | 1.94    | 1.71    | 1.37    | 1.58    | 0.03     | 0.03     | 4.84     |
| Acetaldehyde             | 1.08    | 1.29    | 0.94    | 1.06    | 0.85    | 0.04     | 0.04     | 1.62     |
| Acetone                  | 0.29    | 0.18    | 0.53    | 1.04    | 1.34    | 0.04     | 0.04     | 1.32     |
| Propionaldehyde          | 0.14    | ND      | 0.13    | 0.12    | 0.12    | 0.0003u  | 0.0003u  | 0.27     |
| Crotonaldehyde           | 0.01    | 0.03    | 0.02    | 0.03    | 0.02    | ND       | ND       | 0.02     |
| Butyr/Isobutyraldehyde   | 0.10    | 0.27    | 0.11    | 0.12    | 0.13    | 0.005    | 0.004    | 0.18     |
| Benzaldehyde             | 0.04    | 0.09    | 0.05    | 0.04    | 0.04    | 0.003    | 0.003    | 0.06     |
| Isovaleraldehyde         | ND      | ND      | ND      | 0.29    | 0.36    | 0.01     | 0.003    | 0.25     |
| Valeraldehyde            | 0.04    | 0.03    | 0.01    | 0.05    | 0.06    | 0.002    | 0.003    | 0.07     |
| Tolualdehydes            | 0.05    | ND      | 0.08    | 0.05    | 0.06    | 0.01     | 0.01     | 0.03     |
| Hexaldehyde              | 0.04    | 0.08    | 0.09    | 0.04    | 0.06    | 0.01     | 0.01     | 0.08     |
| 2,5-Dimethylbenzaldehyde | 0.02    | ND      | 0.00    | ND      | ND      | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21661 R2 | 21659   | 21658   | 21664   | 21665   | 21654 D2 | 21666   | 21667   |
|--------------------------|----------|---------|---------|---------|---------|----------|---------|---------|
| SAMPLE DATE              | 7/15/01  | 7/16/01 | 7/17/01 | 7/19/01 | 7/20/01 | 7/21/01  | 7/22/01 | 7/23/01 |
| ANALYSIS DATE            | 8/7/01   | 8/7/01  | VOID    | 8/7/01  | 8/7/01  | 8/6/01   | 8/7/01  | VOID    |
| FILE NAME                | F1HF020  | F1HF015 | VOID    | F1HF023 | F1HF024 | F1HF011  | F1HF025 | VOID    |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 4.81     | 0.02    |         | 2.15    | 5.20    | 5.13     | 0.02    |         |
| Acetaldehyde             | 1.60     | 0.08    |         | 0.25    | 3.33    | 3.60     | 0.02    |         |
| Acetone                  | 1.30     | 0.04    |         | 0.08    | 1.99    | 0.52     | 0.38    |         |
| Propionaldehyde          | 0.27     | 0.001u  |         | 0.11    | 0.43    | 0.06     | ND      |         |
| Crotonaldehyde           | 0.03     | ND      |         | 0.01    | 0.03    | ND       | 0.001u  |         |
| Butyr/Isobutyraldehyde   | 0.20     | 0.005   |         | 0.18    | 0.52    | 0.26     | ND      |         |
| Benzaldehyde             | 0.06     | 0.002   |         | 0.07    | 0.07    | 0.09     | 0.01    |         |
| Isovaleraldehyde         | 0.26     | 0.002u  |         | 0.33    | 0.08    | 0.10     | 0.002   |         |
| Valeraldehyde            | 0.08     | 0.002u  |         | 0.13    | 0.22    | 0.19     | 0.001   |         |
| Tolualdehydes            | 0.05     | 0.01    |         | ND      | 0.05    | 0.06     | 0.01    |         |
| Hexaldehyde              | 0.08     | 0.005   |         | 0.25    | 0.43    | 0.36     | 0.01    |         |
| 2,5-Dimethylbenzaldehyde | ND       | ND      |         | 0.01    | ND      | 0.07     | 0.01    |         |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21763 D1 | 21763 R1 | 21764 D2 | 21764 R2 | 21857   | 21852   | 21855   | 21856   |
|--------------------------|----------|----------|----------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 7/24/01  | 7/24/01  | 7/24/01  | 7/24/01  | 7/25/01 | 7/26/01 | 7/28/01 | 7/29/01 |
| ANALYSIS DATE            | 8/7/01   | 8/7/01   | 8/7/01   | 8/7/01   | 8/15/01 | VOID    | 8/15/01 | 8/15/01 |
| FILE NAME                | F1HF026  | F1HF027  | F1HF028  | F1HF029  | F1HN028 | VOID    | F1HN026 | F1HN027 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 4.71     | 4.32     | 4.78     | 5.01     | 0.11    |         | 1.14    | 10.49   |
| Acetaldehyde             | 1.50     | 1.35     | 1.37     | 1.47     | 0.24    |         | 0.42    | 2.05    |
| Acetone                  | 0.75     | 0.68     | 0.77     | 0.81     | 1.09    |         | 0.08    | 0.59    |
| Propionaldehyde          | 0.22     | 0.20     | 0.18     | 0.20     | ND      |         | 0.07    | 0.49    |
| Crotonaldehyde           | 0.02     | 0.04     | ND       | ND       | ND      |         | 0.01    | 0.14    |
| Butyr/Isobutyraldehyde   | 0.17     | 0.17     | 0.23     | 0.28     | 0.04    |         | 0.07    | 0.56    |
| Benzaldehyde             | 0.07     | 0.05     | 0.05     | 0.09     | 0.02    |         | 0.05    | 0.42    |
| Isovaleraldehyde         | 0.09     | 0.06     | 0.06     | 0.05     | 0.01    |         | ND      | ND      |
| Valeraldehyde            | 0.06     | 0.05     | 0.06     | 0.06     | 0.002u  |         | 0.04    | 0.38    |
| Tolualdehydes            | 0.05     | 0.08     | 0.07     | 0.04     | ND      |         | 0.07    | 0.59    |
| Hexaldehyde              | 0.09     | 0.18     | 0.17     | 0.11     | 0.02    |         | 0.05    | 0.51    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | 0.77    |         | 0.01    | 0.07    |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21972   | 21973   | 21974   | 21975 D1 | 21975 R1 | 21976 D2 | 21976 R2 | 21977   |
|--------------------------|---------|---------|---------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 7/30/01 | 7/31/01 | 8/1/01  | 8/2/01   | 8/2/01   | 8/2/01   | 8/2/01   | 8/3/01  |
| ANALYSIS DATE            | 8/22/01 | 8/22/01 | 8/28/01 | 8/28/01  | 8/28/01  | 8/28/01  | 8/28/01  | 8/28/01 |
| FILE NAME                | F1HU022 | F1HU023 | F1H~007 | F1H~016  | F1H~017  | F1H~018  | F1H~019  | F1H~008 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    |
| Formaldehyde             | 1.29    | 3.98    | 3.77    | 3.68     | 3.83     | 3.43     | 3.05     | 4.42    |
| Acetaldehyde             | 2.05    | 4.36    | 4.30    | 1.14     | 1.23     | 3.06     | 2.80     | 3.53    |
| Acetone                  | 0.72    | 4.89    | 4.93    | 0.49     | 0.52     | 4.61     | 4.23     | 4.61    |
| Propionaldehyde          | 0.24    | 0.40    | 0.37    | 0.20     | 0.23     | 0.24     | 0.23     | 0.24    |
| Crotonaldehyde           | ND      | ND      | 0.02    | 0.01     | 0.01     | 0.02     | 0.01     | 0.004   |
| Butyr/Isobutyraldehyde   | 0.14    | 0.79    | 0.79    | 0.13     | 0.14     | 0.60     | 0.50     | 0.64    |
| Benzaldehyde             | 0.09    | 0.11    | 0.10    | 0.06     | 0.07     | 0.15     | 0.11     | 0.10    |
| Isovaleraldehyde         | ND      | 0.06    | 0.04    | 0.01     | 0.01     | 0.03     | 0.02     | 0.03    |
| Valeraldehyde            | 0.07    | 0.27    | 0.29    | 0.04     | 0.05     | 0.21     | 0.19     | 0.25    |
| Tolualdehydes            | 0.03    | 0.10    | 0.05    | 0.03     | 0.03     | 0.03     | 0.03     | 0.04    |
| Hexaldehyde              | 0.09    | 0.54    | 0.55    | 0.05     | 0.05     | 0.40     | 0.37     | 0.46    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | 0.04    | 0.03     | 0.02     | 0.02     | 0.02     | 0.04    |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21978   | 22125   | 22124   | 22119 D2 | 22123   | 22122   | 22120 D1 | 22120 R1 |
|--------------------------|---------|---------|---------|----------|---------|---------|----------|----------|
| SAMPLE DATE              | 8/4/01  | 8/6/01  | 8/7/01  | 8/8/01   | 8/9/01  | 8/10/01 | 8/11/01  | 8/11/01  |
| ANALYSIS DATE            | 8/28/01 | 9/12/01 | 9/12/01 | 8/28/01  | 9/12/01 | 9/12/01 | 8/28/01  | 8/28/01  |
| FILE NAME                | F1H~009 | Q1IL006 | Q1IL010 | Q1H~025  | Q1IL011 | Q1IL012 | Q1H~030  | Q1H~031  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv    | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 6.15    | 6.54    | 6.28    | 7.06     | 3.77    | 2.05    | 4.27     | 3.76     |
| Acetaldehyde             | 4.15    | 4.41    | 4.14    | 1.77     | 2.77    | 1.43    | 3.33     | 2.94     |
| Acetone                  | 3.75    | 2.77    | 3.91    | 1.05     | 2.23    | 2.60    | 4.29     | 3.86     |
| Propionaldehyde          | 0.31    | 0.58    | 0.60    | 0.31     | 0.40    | 0.20    | 0.48     | 0.53     |
| Crotonaldehyde           | 0.06    | 0.25    | 0.29    | ND       | 0.31    | 0.12    | 0.13     | 0.12     |
| Butyr/Isobutyraldehyde   | 0.76    | 0.74    | 0.71    | 0.14     | 0.48    | 0.24    | 0.60     | 0.52     |
| Benzaldehyde             | 0.12    | 0.10    | 0.10    | 0.09     | 0.05    | 0.02    | 0.06     | 0.04     |
| Isovaleraldehyde         | 0.03    | 0.04    | 0.02    | ND       | 0.02    | 0.005   | ND       | ND       |
| Valeraldehyde            | 0.29    | 0.29    | 0.24    | 0.01     | 0.15    | 0.09    | 0.18     | 0.16     |
| Tolualdehydes            | 0.11    | 0.18    | 0.17    | 0.16     | 0.09    | 0.05    | 0.07     | 0.07     |
| Hexaldehyde              | 0.47    | 0.60    | 0.60    | 0.30     | 0.40    | 0.21    | 0.72     | 0.50     |
| 2,5-Dimethylbenzaldehyde | 0.05    | ND      | ND      | 0.04     | ND      | ND      | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22121 D2 | 22121 R2 | 22118   | 22220   | 22221   | 22222   | 22223   | 22396   |
|--------------------------|----------|----------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 8/11/01  | 8/11/01  | 8/12/01 | 8/13/01 | 8/15/01 | 8/16/01 | 8/17/01 | 8/18/01 |
| ANALYSIS DATE            | 8/28/01  | 8/28/01  | VOID    | 9/13/01 | 9/13/01 | 9/13/01 | 9/13/01 | 9/22/01 |
| FILE NAME                | Q1H~032  | Q1H~033  | VOID    | Q1IL037 | Q1IL038 | Q1IL039 | Q1IL040 | F1IT061 |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 3.81     | 4.52     |         | 3.73    | 3.62    | 3.77    | 3.11    | 2.98    |
| Acetaldehyde             | 1.42     | 1.58     |         | 2.78    | 2.88    | 2.40    | 1.39    | 2.25    |
| Acetone                  | 0.79     | 0.88     |         | 4.53    | 4.37    | 1.40    | 1.99    | 3.94    |
| Propionaldehyde          | 0.14     | 0.16     |         | 0.42    | 0.41    | 0.34    | 0.18    | 0.20    |
| Crotonaldehyde           | 0.06     | ND       |         | ND      | 0.14    | 0.17    | 0.12    | ND      |
| Butyr/Isobutyraldehyde   | 0.11     | 0.15     |         | 0.46    | 0.42    | 0.34    | 0.21    | 0.45    |
| Benzaldehyde             | 0.06     | 0.05     |         | 0.06    | 0.05    | 0.06    | 0.04    | 0.06    |
| Isovaleraldehyde         | ND       | ND       |         | 0.02    | 0.03    | ND      | ND      | 0.04    |
| Valeraldehyde            | 0.02     | 0.05     |         | 0.18    | 0.19    | 0.13    | 0.10    | 0.13    |
| Tolualdehydes            | 0.03     | 0.06     |         | 0.08    | 0.09    | 0.07    | 0.07    | 0.04    |
| Hexaldehyde              | 0.16     | 0.20     |         | 0.44    | 0.42    | 0.40    | 0.03    | 0.30    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       |         | ND      | ND      | ND      | ND      | 0.01    |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22397   | 22398 D1 | 22398 R1 | 22399 D2 | 22399 R2 | 22400   | 22401   | 22619   |
|--------------------------|---------|----------|----------|----------|----------|---------|---------|---------|
| SAMPLE DATE              | 8/19/01 | 8/20/01  | 8/20/01  | 8/20/01  | 8/20/01  | 8/21/01 | 8/22/01 | 8/24/01 |
| ANALYSIS DATE            | 9/22/01 | 9/22/01  | 9/22/01  | 9/22/01  | 9/22/01  | 9/22/01 | 9/22/01 | 9/29/01 |
| FILE NAME                | F1IT062 | F1IT057  | F1IT058  | F1IT059  | F1IT060  | F1IT064 | F1IT065 | F1I#009 |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 2.11    | 3.23     | 3.16     | 2.85     | 2.74     | 3.76    | 2.74    | 3.13    |
| Acetaldehyde             | 1.50    | 1.68     | 1.64     | 0.76     | 0.70     | 2.16    | 2.18    | 2.50    |
| Acetone                  | 2.61    | 2.90     | 2.85     | 0.86     | 0.85     | 3.41    | 2.97    | 4.05    |
| Propionaldehyde          | 0.15    | 0.15     | 0.15     | 0.06     | 0.07     | 0.19    | 0.19    | 0.23    |
| Crotonaldehyde           | ND      | ND       | ND       | ND       | ND       | ND      | ND      | 0.08    |
| Butyr/Isobutyraldehyde   | 0.34    | 0.35     | 0.30     | 0.10     | 0.09     | 0.42    | 0.39    | 0.49    |
| Benzaldehyde             | 0.05    | 0.07     | 0.07     | 0.05     | 0.04     | 0.07    | 0.06    | 0.06    |
| Isovaleraldehyde         | ND      | 0.04     | 0.04     | 0.03     | ND       | ND      | 0.04    | 0.05    |
| Valeraldehyde            | 0.10    | 0.10     | 0.10     | 0.02     | 0.02     | 0.12    | 0.10    | 0.17    |
| Tolualdehydes            | 0.05    | 0.06     | 0.05     | 0.05     | 0.02     | 0.07    | 0.05    | 0.16    |
| Hexaldehyde              | 0.23    | 0.25     | 0.24     | 0.04     | 0.03     | 0.26    | 0.24    | 0.11    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.01     | 0.01     | ND       | ND       | ND      | ND      | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22620   | 22621 D2 | 22621 R2 | 22622   | 22623   | 22624 D1 | 22624 R1 | 22625 D2 |
|--------------------------|---------|----------|----------|---------|---------|----------|----------|----------|
| SAMPLE DATE              | 8/25/01 | 8/26/01  | 8/26/01  | 8/27/01 | 8/28/01 | 8/29/01  | 8/29/01  | 8/29/01  |
| ANALYSIS DATE            | 9/29/01 | 9/30/01  | 9/30/01  | 9/29/01 | 9/30/01 | 9/30/01  | 9/30/01  | 9/30/01  |
| FILE NAME                | F1I#010 | F1I#030  | F1I#031  | F1I#017 | F1I#019 | F1I#032  | F1I#033  | F1I#034  |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 3.21    | 2.03     | 2.16     | 3.15    | 3.04    | 3.59     | 3.48     | 3.35     |
| Acetaldehyde             | 2.81    | 0.80     | 0.81     | 2.90    | 2.47    | 3.28     | 3.09     | 1.30     |
| Acetone                  | 0.27    | 0.62     | 0.63     | 4.82    | 4.42    | 4.63     | 4.48     | 0.59     |
| Propionaldehyde          | 0.18    | 0.08     | 0.08     | 0.25    | 0.21    | 0.26     | 0.26     | 0.12     |
| Crotonaldehyde           | ND      | 0.07     | 0.07     | 0.15    | 0.13    | 0.14     | 0.15     | 0.07     |
| Butyr/Isobutyraldehyde   | 0.57    | 0.03     | 0.04     | 0.07    | 0.47    | 0.06     | 0.13     | 0.03     |
| Benzaldehyde             | ND      | 0.03     | 0.04     | 0.07    | 0.06    | 0.07     | 0.07     | 0.06     |
| Isovaleraldehyde         | 0.03    | 0.02     | 0.03     | 0.03    | ND      | 0.06     | 0.06     | 0.03     |
| Valeraldehyde            | 0.12    | 0.02     | 0.03     | 0.17    | 0.15    | 0.19     | 0.19     | 0.04     |
| Tolualdehydes            | 0.20    | 0.05     | 0.04     | 0.07    | 0.08    | 0.05     | 0.05     | 0.05     |
| Hexaldehyde              | 0.06    | 0.05     | 0.06     | 0.35    | 0.33    | 0.36     | 0.38     | 0.09     |
| 2,5-Dimethylbenzaldehyde | ND      | ND       | ND       | ND      | ND      | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22625 R2 | 22628   | 22629   | 22630   | 22631   | 22761 D1 | 22761 R1 | 22762    |
|--------------------------|----------|---------|---------|---------|---------|----------|----------|----------|
| SAMPLE DATE              | 8/29/01  | 8/30/01 | 8/31/01 | 9/2/01  | 9/3/01  | 9/4/01   | 9/4/01   | 9/5/01   |
| ANALYSIS DATE            | 9/30/01  | 9/30/01 | 9/30/01 | 9/30/01 | 9/30/01 | 10/18/01 | 10/29/01 | 10/19/01 |
| FILE NAME                | F1I#035  | F1I#022 | F1I#023 | F1I#024 | F1I#025 | Q1JQ055  | F1J#006  | F1JS006  |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 3.50     | 3.22    | 2.51    | 3.80    | 2.47    | 3.44     | 3.84     | 3.95     |
| Acetaldehyde             | 1.32     | 2.50    | 1.82    | 3.04    | 1.92    | 2.51     | 2.83     | 4.11     |
| Acetone                  | 0.62     | 3.50    | 3.80    | 4.07    | 2.70    | 3.87     | 4.49     | 5.21     |
| Propionaldehyde          | 0.14     | 0.23    | 0.16    | 0.28    | 0.19    | 0.36     | 0.33     | 0.57     |
| Crotonaldehyde           | 0.08     | 0.02    | 0.01    | 0.09    | ND      | ND       | ND       | 0.01     |
| Butyr/Isobutyraldehyde   | 0.03     | 0.46    | 0.34    | 0.04    | 0.38    | 0.44     | 0.50     | 0.80     |
| Benzaldehyde             | 0.06     | 0.07    | 0.05    | 0.07    | 0.06    | 0.06     | 0.06     | 0.09     |
| Isovaleraldehyde         | 0.03     | 0.05    | 0.04    | 0.06    | 0.04    | 0.02     | 0.41     | 0.05     |
| Valeraldehyde            | 0.04     | 0.14    | 0.11    | 0.18    | 0.13    | 0.20     | 0.21     | 0.25     |
| Tolualdehydes            | 0.07     | 0.05    | 0.04    | 0.07    | 0.06    | 0.06     | 0.09     | 0.09     |
| Hexaldehyde              | 0.07     | 0.31    | 0.24    | 0.36    | 0.28    | 0.44     | 0.43     | 0.51     |
| 2,5-Dimethylbenzaldehyde | ND       | ND      | ND      | 0.28    | 0.01    | ND       | ND       | 0.02     |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22763    | 22764 D1 | 22764 R1 | 22765 D2 | 22765 R2 | 22766    | 22767    | 22859    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/6/01   | 9/7/01   | 9/7/01   | 9/7/01   | 9/7/01   | 9/8/01   | 9/9/01   | 9/11/01  |
| ANALYSIS DATE            | 10/19/01 | 10/20/01 | 10/20/01 | 10/20/01 | 10/20/01 | 10/19/01 | 10/19/01 | 10/20/01 |
| FILE NAME                | F1JS007  | F1JS023  | F1JS024  | F1JS025  | F1JS026  | F1JS008  | F1JS009  | F1JS022  |
| UNITS                    | ppbv     |
| Formaldehyde             | 4.14     | 3.44     | 3.44     | 4.29     | 4.30     | 2.54     | 2.16     | 4.02     |
| Acetaldehyde             | 3.07     | 3.45     | 3.46     | 1.27     | 1.27     | 2.82     | 2.39     | 2.65     |
| Acetone                  | 4.73     | 3.77     | 3.77     | 0.66     | 0.64     | 3.84     | 3.61     | 4.85     |
| Propionaldehyde          | 0.42     | 0.47     | 0.48     | 0.18     | 0.17     | 0.42     | 0.38     | 0.32     |
| Crotonaldehyde           | 0.02     | 0.02     | 0.02     | 0.03     | 0.02     | 0.02     | 0.02     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.63     | 0.67     | 0.73     | 0.21     | 0.19     | 0.56     | 0.47     | 0.56     |
| Benzaldehyde             | 0.07     | 0.11     | 0.08     | 0.03     | 0.04     | 0.06     | 0.05     | 0.09     |
| Isovaleraldehyde         | 0.14     | 0.11     | 0.10     | ND       | ND       | 0.08     | 0.09     | 0.03     |
| Valeraldehyde            | 0.22     | 0.23     | 0.22     | 0.03     | 0.04     | 0.18     | 0.17     | 0.18     |
| Tolualdehydes            | 0.10     | 0.08     | 0.07     | 0.06     | 0.05     | 0.07     | 0.06     | 0.10     |
| Hexaldehyde              | 0.39     | 0.45     | 0.44     | 0.06     | 0.05     | 0.40     | 0.34     | 0.38     |
| 2,5-Dimethylbenzaldehyde | 0.02     | 0.03     | 0.03     | ND       | ND       | 0.01     | 0.01     | 0.04     |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22860    | 22861 D2 | 22861 R2 | 22862    | 22863    | 22864 D1 | 22864 R1 | 22865 D2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/12/01  | 9/13/01  | 9/13/01  | 9/14/01  | 9/15/01  | 9/16/01  | 9/16/01  | 9/16/01  |
| ANALYSIS DATE            | 10/23/01 | 10/24/01 | 10/24/01 | 10/23/01 | 10/23/01 | 10/24/01 | 10/24/01 | 10/24/01 |
| FILE NAME                | F1JV014  | F1JV045  | F1JV046  | F1JV015  | F1JV016  | F1JV047  | F1JV048  | F1JV049  |
| UNITS                    | ppbv     |
| Formaldehyde             | 0.06     | 1.50     | 1.46     | 3.47     | 4.00     | 4.25     | 4.21     | 3.64     |
| Acetaldehyde             | 0.06     | 0.63     | 0.62     | 1.65     | 2.39     | 3.29     | 3.27     | 1.57     |
| Acetone                  | 0.11     | 1.04     | 1.00     | 3.97     | 3.50     | 4.32     | 4.32     | 1.94     |
| Propionaldehyde          | 0.002u   | 0.06     | 0.06     | 0.19     | 0.26     | 0.37     | 0.37     | 0.17     |
| Crotonaldehyde           | ND       | 0.01     | 0.01     | 0.01     | 0.02     | 0.02     | 0.03     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.04     | 0.16     | 0.14     | 0.35     | 0.51     | 0.66     | 0.67     | 0.28     |
| Benzaldehyde             | 0.003    | 0.02     | 0.02     | 0.07     | 0.08     | 0.09     | 0.09     | 0.04     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | 0.04     | 0.10     | 0.08     |
| Valeraldehyde            | 0.003    | 0.03     | 0.02     | 0.12     | 0.17     | 0.21     | 0.21     | 0.04     |
| Tolualdehydes            | 0.01     | 0.03     | 0.03     | 0.04     | 0.06     | 0.10     | 0.11     | 0.06     |
| Hexaldehyde              | 0.01     | 0.04     | 0.04     | 0.29     | 0.34     | 0.44     | 0.45     | 0.08     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | 0.02     | 0.03     | 0.05     | 0.02     |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22865 R2 | 23027    | 23028    | 23029    | 23030    | 23031    | 23032    | 23069    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/16/01  | 9/17/01  | 9/18/01  | 9/20/01  | 9/21/01  | 9/22/01  | 9/23/01  | 9/24/01  |
| ANALYSIS DATE            | 10/24/01 | 10/24/01 | 10/24/01 | 10/24/01 | 10/24/01 | 10/24/01 | 10/24/01 | 10/26/01 |
| FILE NAME                | F1JV050  | F1JV035  | F1JV036  | F1JV037  | F1JV038  | F1JV039  | F1JV040  | F1JZ019  |
| UNITS                    | ppbv     |
| Formaldehyde             | 3.51     | 4.27     | 4.20     | 2.37     | 4.40     | 3.95     | 4.36     | 3.31     |
| Acetaldehyde             | 1.54     | 4.33     | 3.82     | 1.34     | 2.52     | 2.00     | 2.92     | 1.12     |
| Acetone                  | 1.91     | *5.77    | *4.99    | 2.35     | 2.82     | 2.64     | 3.23     | 1.60     |
| Propionaldehyde          | 0.17     | 0.66     | 0.59     | 0.16     | 0.29     | 0.24     | 0.33     | 0.13     |
| Crotonaldehyde           | 0.01     | 0.02     | 0.04     | 0.02     | 0.02     | 0.01     | 0.02     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.25     | 0.79     | 0.78     | 0.38     | 0.53     | 0.45     | 0.66     | 0.31     |
| Benzaldehyde             | 0.04     | 0.11     | 0.10     | 0.05     | 0.10     | 0.09     | 0.10     | 0.07     |
| Isovaleraldehyde         | 0.02     | ND       | 0.11     | 0.11     | 0.05     | 0.05     | 0.09     | ND       |
| Valeraldehyde            | 0.05     | 0.25     | 0.25     | 0.11     | 0.17     | 0.16     | 0.23     | 0.10     |
| Tolualdehydes            | 0.05     | 0.13     | 0.11     | 0.05     | 0.07     | 0.06     | 0.10     | 0.04     |
| Hexaldehyde              | 0.06     | 0.50     | 0.51     | 0.24     | 0.37     | 0.37     | 0.54     | 0.24     |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.02     | 0.02     | 0.02     | 0.02     | 0.04     | 0.03     | 0.01     |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23070 D1 | 23070 R1 | 23071 D2 | 23071 R2 | 23162   | 23163    | 23164    | 23165    |
|--------------------------|----------|----------|----------|----------|---------|----------|----------|----------|
| SAMPLE DATE              | 9/25/01  | 9/25/01  | 9/25/01  | 9/25/01  | 9/26/01 | 9/27/01  | 9/29/01  | 9/30/01  |
| ANALYSIS DATE            | 10/28/01 | 10/28/01 | 10/28/01 | 10/28/01 | VOID    | 10/27/01 | 10/27/01 | 10/27/01 |
| FILE NAME                | F1JZ062  | F1JZ063  | F1JZ064  | F1JZ065  | VOID    | F1JZ052  | F1JZ053  | F1JZ054  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 2.05     | 2.04     | 1.11     | 1.10     |         | 1.74     | 2.51     | 3.77     |
| Acetaldehyde             | 0.84     | 0.83     | 0.53     | 0.53     |         | 0.62     | 1.05     | 1.87     |
| Acetone                  | 1.99     | 1.97     | 0.90     | 0.90     |         | 1.17     | 1.74     | 2.56     |
| Propionaldehyde          | 0.09     | 0.09     | 0.04     | 0.04     |         | 0.07     | 0.12     | 0.23     |
| Crotonaldehyde           | 0.01     | 0.01     | 0.01     | 0.01     |         | 0.01     | 0.01     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.26     | 0.26     | 0.16     | 0.15     |         | 0.17     | 0.23     | 0.34     |
| Benzaldehyde             | 0.04     | 0.04     | 0.02     | 0.02     |         | 0.03     | 0.04     | 0.08     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       |         | ND       | ND       | ND       |
| Valeraldehyde            | 0.06     | 0.05     | 0.02     | 0.02     |         | 0.02     | 0.04     | 0.07     |
| Tolualdehydes            | 0.03     | 0.03     | 0.02     | 0.02     |         | 0.03     | 0.06     | 0.06     |
| Hexaldehyde              | 0.13     | 0.13     | 0.03     | 0.03     |         | 0.02     | 0.06     | 0.08     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       |         | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23218   | 23219   | 23220 D1 | 23220 R1 | 23221 D2 | 23221 R2 | 23367   | 23368   |
|--------------------------|---------|---------|----------|----------|----------|----------|---------|---------|
| SAMPLE DATE              | 10/2/01 | 10/3/01 | 10/4/01  | 10/4/01  | 10/4/01  | 10/4/01  | 10/5/01 | 10/6/01 |
| ANALYSIS DATE            | VOID    | 11/1/01 | 11/1/01  | 11/1/01  | 11/2/01  | 11/2/01  | 11/5/01 | 11/6/01 |
| FILE NAME                | VOID    | F1KA007 | F1KA013  | F1KA014  | F1KA015  | F1KA016  | F1KE020 | F1KE021 |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             |         | 3.41    | 2.89     | 3.00     | 1.52     | 1.50     | 1.84    | 1.59    |
| Acetaldehyde             |         | 1.31    | 1.09     | 1.14     | 0.61     | 0.61     | 0.82    | 0.56    |
| Acetone                  |         | 2.15    | 1.18     | 1.23     | 1.09     | 1.09     | 1.37    | 1.42    |
| Propionaldehyde          |         | 0.23    | 0.14     | 0.14     | 0.07     | 0.07     | 0.10    | 0.07    |
| Crotonaldehyde           |         | 0.01    | 0.01     | 0.02     | 0.01     | 0.01     | 0.01    | 0.01    |
| Butyr/Isobutyraldehyde   |         | 0.23    | 0.20     | 0.22     | 0.150    | 0.15     | 0.17    | 0.14    |
| Benzaldehyde             |         | 0.05    | 0.04     | 0.04     | 0.03     | 0.03     | 0.04    | 0.02    |
| Isovaleraldehyde         |         | 0.03    | 0.003    | 0.004    | ND       | ND       | ND      | ND      |
| Valeraldehyde            |         | 0.05    | 0.04     | 0.04     | 0.02     | 0.02     | 0.04    | 0.03    |
| Tolualdehydes            |         | 0.03    | 0.03     | 0.03     | 0.03     | 0.03     | 0.03    | 0.03    |
| Hexaldehyde              |         | 0.05    | 0.04     | 0.04     | 0.02     | 0.02     | 0.05    | 0.03    |
| 2,5-Dimethylbenzaldehyde |         | ND      | ND       | ND       | ND       | ND       | ND      | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23369   | 23370   | 23371    | 23435    | 23436    | 23437 D1 | 23437 R1 | 23438 D2 |
|--------------------------|---------|---------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/8/01 | 10/9/01 | 10/10/01 | 10/11/01 | 10/12/01 | 10/13/01 | 10/13/01 | 10/13/01 |
| ANALYSIS DATE            | 11/6/01 | 11/6/01 | 11/6/01  | 11/6/01  | 11/6/01  | 11/7/01  | 11/7/01  | 11/7/01  |
| FILE NAME                | F1KE022 | F1KE023 | F1KE024  | F1KE043  | F1KE044  | F1KE078  | F1KE079  | F1KE080  |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 4.02    | 3.05    | 3.07     | 2.75     | 2.88     | 3.30     | 3.40     | 2.49     |
| Acetaldehyde             | 1.64    | 1.56    | 1.49     | 1.17     | 1.11     | 1.15     | 1.18     | 0.88     |
| Acetone                  | 2.56    | 2.36    | 1.03     | 1.69     | 0.79     | 0.62     | 0.64     | 0.73     |
| Propionaldehyde          | 0.17    | 0.19    | 0.22     | 0.13     | 0.11     | 0.14     | 0.14     | 0.09     |
| Crotonaldehyde           | 0.02    | 0.02    | 0.02     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.23    | 0.28    | 0.22     | 0.32     | 0.19     | 0.23     | 0.22     | 0.20     |
| Benzaldehyde             | 0.06    | 0.05    | 0.05     | 0.04     | 0.03     | 0.04     | 0.05     | 0.03     |
| Isovaleraldehyde         | ND      | ND      | ND       | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.06    | 0.05    | 0.04     | 0.04     | 0.04     | 0.04     | 0.05     | 0.03     |
| Tolualdehydes            | ND      | 0.05    | ND       | 0.04     | 0.03     | 0.04     | 0.03     | 0.03     |
| Hexaldehyde              | 0.08    | 0.04    | 0.04     | 0.06     | 0.04     | 0.05     | 0.05     | 0.05     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND       | ND       | ND       | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23438 R2 | 23439    | 23554    | 23555    | 23556    | 23557 D2 | 23648    | 23649    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/13/01 | 10/14/01 | 10/15/01 | 10/17/01 | 10/18/01 | 10/19/01 | 10/20/01 | 10/21/01 |
| ANALYSIS DATE            | 11/7/01  | 11/6/01  | 11/7/01  | 11/7/01  | 11/7/01  | VOID     | 11/9/01  | 11/9/01  |
| FILE NAME                | F1KE081  | F1KE045  | F1KE057  | F1KE058  | F1KE059  | VOID     | F1KH038  | F1KH039  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.49     | 1.75     | 1.59     | 1.74     | 2.46     |          | 2.55     | 4.17     |
| Acetaldehyde             | 0.88     | 0.79     | 0.92     | 0.62     | 1.25     |          | 1.44     | 2.29     |
| Acetone                  | 0.73     | 1.05     | 1.56     | 1.20     | 1.87     |          | 1.99     | 2.32     |
| Propionaldehyde          | 0.09     | 0.08     | 0.09     | 0.07     | 0.13     |          | 0.14     | 0.23     |
| Crotonaldehyde           | 0.01     | 0.01     | 0.01     | 0.01     | 0.02     |          | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.24     | 0.14     | 0.17     | 0.13     | 0.20     |          | 0.20     | 0.28     |
| Benzaldehyde             | 0.03     | 0.03     | 0.04     | 0.04     | 0.05     |          | 0.05     | 0.07     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       |          | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.03     | 0.03     | 0.03     | 0.04     |          | 0.05     | 0.07     |
| Tolualdehydes            | 0.03     | 0.03     | 0.03     | 0.02     | 0.05     |          | 0.03     | 0.06     |
| Hexaldehyde              | 0.04     | 0.03     | 0.03     | 0.02     | 0.04     |          | 0.04     | 0.08     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       |          | 0.01     | 0.02     |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23650 D1 | 23650 R1 | 23558 D2 | 23651    | 23652    | 23653    | 23654    | 23655    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/22/01 | 10/22/01 | 10/22/01 | 10/23/01 | 10/24/01 | 10/26/01 | 10/27/01 | 10/28/01 |
| ANALYSIS DATE            | 11/10/01 | 11/10/01 | VOID     | 11/9/01  | 11/9/01  | 11/9/01  | 11/9/01  | 11/9/01  |
| FILE NAME                | F1KH084  | F1KH085  | VOID     | F1KH040  | F1KH041  | F1KH042  | F1KH043  | F1KH044  |
| UNITS                    | ppbv     |
| Formaldehyde             | 4.19     | 4.26     |          | 3.19     | 2.70     | 1.15     | 1.12     | 1.76     |
| Acetaldehyde             | 1.85     | 1.86     |          | 1.29     | 1.01     | 0.41     | 0.44     | 1.15     |
| Acetone                  | 1.55     | 1.57     |          | 1.24     | 0.67     | 0.94     | 0.93     | 1.42     |
| Propionaldehyde          | 0.19     | 0.19     |          | 0.14     | 0.13     | 0.05     | 0.05     | 0.12     |
| Crotonaldehyde           | 0.02     | 0.03     |          | 0.02     | 0.01     | 0.01     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.30     | 0.31     |          | 0.26     | 0.20     | 0.16     | 0.14     | 0.16     |
| Benzaldehyde             | 0.06     | 0.05     |          | 0.04     | 0.03     | 0.02     | 0.02     | 0.04     |
| Isovaleraldehyde         | ND       | ND       |          | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.06     | 0.06     |          | 0.04     | 0.03     | 0.02     | 0.03     | 0.05     |
| Tolualdehydes            | 0.05     | 0.05     |          | 0.03     | ND       | 0.02     | 0.02     | 0.05     |
| Hexaldehyde              | 0.08     | 0.08     |          | 0.05     | 0.04     | 0.02     | 0.03     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       |          | ND       | ND       | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23843    | 23844    | 23845 D1 | 23845 R1 | 23846 D2 | 23846 R2 | 23847    | 23848    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/29/01 | 10/30/01 | 10/31/01 | 10/31/01 | 10/31/01 | 10/31/01 | 11/1/01  | 11/2/01  |
| ANALYSIS DATE            | 11/13/01 | 11/13/01 | 11/14/01 | 11/14/01 | 11/14/01 | 11/14/01 | 11/13/01 | 11/13/01 |
| FILE NAME                | F1KL037  | F1KL038  | F1KL065  | F1KL066  | F1KL067  | F1KL068  | F1KL039  | F1KL040  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.89     | 2.23     | 2.70     | 2.71     | 0.04     | 0.04     | 2.80     | 3.43     |
| Acetaldehyde             | 1.19     | 0.81     | 1.60     | 1.62     | 0.03     | 0.04     | 1.36     | 0.85     |
| Acetone                  | 1.74     | 1.32     | 2.32     | 2.36     | 0.08     | 0.08     | 1.50     | 1.07     |
| Propionaldehyde          | 0.11     | 0.08     | 0.16     | 0.16     | 0.003u   | 0.003u   | 0.15     | 0.09     |
| Crotonaldehyde           | 0.02     | 0.01     | 0.02     | 0.02     | ND       | ND       | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.20     | 0.17     | 0.25     | 0.25     | 0.05     | 0.04     | 0.24     | 0.17     |
| Benzaldehyde             | 0.04     | 0.03     | 0.04     | 0.05     | 0.004    | 0.003    | 0.04     | 0.03     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.04     | 0.04     | 0.05     | 0.05     | 0.004    | 0.003    | 0.04     | 0.03     |
| Tolualdehydes            | 0.02     | 0.03     | 0.03     | 0.03     | 0.01     | 0.01     | 0.03     | 0.03     |
| Hexaldehyde              | 0.04     | 0.06     | 0.05     | 0.05     | 0.01     | 0.01     | 0.04     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23852    | 23920    | 23921 D2 | 23921 R2 | 23922    | 23923    | 23924 D1 | 23924 R1 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 11/4/01  | 11/5/01  | 11/6/01  | 11/6/01  | 11/7/01  | 11/8/01  | 11/9/01  | 11/9/01  |
| ANALYSIS DATE            | 11/13/01 | 11/26/01 | 11/27/01 | 11/27/01 | 11/26/01 | 11/26/01 | 11/27/01 | 11/27/01 |
| FILE NAME                | F1KL044  | F1KZ008  | F1KZ032  | F1KZ033  | F1KZ009  | F1KZ010  | F1KZ034  | F1KZ035  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.12     | 2.09     | 0.04     | 0.04     | 2.51     | 2.42     | 1.32     | 1.33     |
| Acetaldehyde             | 1.11     | 0.90     | 0.03     | 0.03     | 1.67     | 1.01     | 0.61     | 0.61     |
| Acetone                  | 1.41     | 1.36     | 0.07     | 0.07     | 2.78     | 1.47     | 0.85     | 0.86     |
| Propionaldehyde          | 0.11     | 0.10     | ND       | ND       | 0.15     | 0.10     | 0.06     | 0.07     |
| Crotonaldehyde           | 0.02     | 0.01     | ND       | ND       | 0.02     | 0.02     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.16     | 0.36     | 0.02     | 0.02     | 0.28     | 0.13     | 0.10     | 0.10     |
| Benzaldehyde             | 0.03     | 0.04     | 0.004    | 0.003    | 0.06     | 0.04     | 0.02     | 0.03     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.04     | 0.05     | 0.002u   | 0.002u   | 0.05     | 0.04     | 0.03     | 0.03     |
| Tolualdehydes            | 0.02     | 0.03     | 0.01     | 0.01     | 0.03     | 0.02     | 0.02     | 0.03     |
| Hexaldehyde              | 0.03     | 0.04     | 0.004    | 0.004    | 0.05     | 0.03     | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | 0.01     | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23925 D2 | 23925 R2 | 23927    | 23928    | 24032    | 24033    |
|--------------------------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 11/9/01  | 11/9/01  | 11/10/01 | 11/11/01 | 11/13/01 | 11/14/01 |
| ANALYSIS DATE            | 11/27/01 | 11/27/01 | 11/26/01 | 11/26/01 | 11/29/01 | 11/29/01 |
| FILE NAME                | F1KZ036  | F1KZ037  | F1KZ012  | F1KZ013  | F1K!019  | F1K!020  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.09     | 1.07     | 1.54     | 1.60     | 2.55     | 2.88     |
| Acetaldehyde             | 0.61     | 0.60     | 0.81     | 0.70     | 1.45     | 1.33     |
| Acetone                  | 0.94     | 0.89     | 1.07     | 1.06     | 2.27     | 1.82     |
| Propionaldehyde          | 0.09     | 0.07     | 0.07     | 0.07     | 0.16     | 0.14     |
| Crotonaldehyde           | 0.01     | 0.01     | 0.01     | 0.01     | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.10     | 0.09     | 0.10     | 0.12     | 0.26     | 0.20     |
| Benzaldehyde             | 0.03     | 0.04     | 0.03     | 0.04     | 0.05     | 0.05     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.03     | 0.03     | 0.04     | 0.06     | 0.04     |
| Tolualdehydes            | 0.03     | 0.03     | 0.02     | 0.03     | 0.03     | 0.03     |
| Hexaldehyde              | 0.03     | 0.03     | 0.03     | 0.04     | 0.03     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | 0.01     | 0.01     |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Final Carbonyl Data Report

| SAMPLE #                 | 24037 D1 | 24037 R1 | 24071    | 24072    | 24073 D1 | 24073 R1 | 24074 D2 | 24074 R2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 11/15/01 | 11/15/01 | 11/16/01 | 11/17/01 | 11/18/01 | 11/18/01 | 11/18/01 | 11/18/01 |
| ANALYSIS DATE            | 11/29/01 | 11/29/01 | 12/3/01  | 12/3/01  | 12/4/01  | 12/4/01  | 12/4/01  | 12/4/01  |
| FILE NAME                | F1K!051  | F1K!052  | F1LC006  | F1LC007  | F1LC022  | F1LC023  | F1LC024  | F1LC025  |
| UNITS                    | ppbv     |
| Formaldehyde             | 3.88     | 3.99     | 3.41     | 2.60     | 1.95     | 2.03     | 2.14     | 2.22     |
| Acetaldehyde             | 1.37     | 1.42     | 1.12     | 1.23     | 1.32     | 1.36     | 1.44     | 1.49     |
| Acetone                  | 1.53     | 1.57     | 1.45     | 1.40     | 1.58     | 1.63     | 1.21     | 1.26     |
| Propionaldehyde          | 0.12     | 0.13     | 0.12     | 0.14     | 0.14     | 0.14     | 0.16     | 0.17     |
| Crotonaldehyde           | 0.02     | 0.02     | 0.01     | 0.01     | 0.02     | 0.02     | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.20     | 0.20     | 0.19     | 0.19     | 0.19     | 0.24     | 0.17     | 0.17     |
| Benzaldehyde             | 0.04     | 0.04     | 0.04     | 0.07     | 0.04     | 0.04     | 0.04     | 0.04     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.04     | 0.04     | 0.05     | 0.05     | 0.04     | 0.04     | 0.04     | 0.05     |
| Tolualdehydes            | 0.03     | 0.03     | 0.03     | 0.03     | 0.02     | 0.02     | 0.03     | 0.04     |
| Hexaldehyde              | 0.04     | 0.03     | 0.05     | 0.05     | 0.03     | 0.03     | 0.03     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Final Carbonyl Data Report

| SAMPLE #                 | 24157    | 24158    | 24159    | 24160    | 24161 D2 | 24162    | 24228    | 24229 D1 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 11/19/01 | 11/20/01 | 11/22/01 | 11/23/01 | 11/24/01 | 11/25/01 | 11/26/01 | 11/27/01 |
| ANALYSIS DATE            | 12/6/01  | 12/6/01  | 12/6/01  | 12/6/01  | 12/6/01  | 12/6/01  | 12/11/01 | 12/12/01 |
| FILE NAME                | F1LF006  | F1LF007  | F1LF009  | F1LF010  | F1LF011  | F1LF012  | F1LK011  | F1LK045  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.57     | 1.56     | 2.23     | 2.83     | 1.31     | 1.39     | 2.04     | 1.88     |
| Acetaldehyde             | 0.86     | 0.53     | 1.25     | 1.18     | 0.75     | 0.61     | 0.74     | 0.72     |
| Acetone                  | 1.43     | 0.85     | 1.33     | 1.97     | 0.47     | 1.02     | 1.31     | 1.05     |
| Propionaldehyde          | 0.09     | 0.06     | 0.14     | 0.13     | 0.11     | 0.07     | 0.07     | 0.07     |
| Crotonaldehyde           | 0.01     | 0.01     | 0.02     | 0.02     | 0.01     | 0.01     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.13     | 0.09     | 0.15     | 0.15     | 0.09     | 0.09     | 0.12     | 0.12     |
| Benzaldehyde             | 0.03     | 0.03     | 0.05     | 0.04     | 0.02     | 0.02     | 0.03     | 0.03     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.04     | 0.03     | 0.06     | 0.06     | 0.04     | 0.02     | 0.04     | 0.03     |
| Tolualdehydes            | 0.03     | 0.02     | 0.03     | 0.03     | 0.03     | 0.01     | 0.02     | 0.02     |
| Hexaldehyde              | 0.02     | 0.02     | 0.04     | 0.03     | 0.04     | 0.02     | 0.03     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.02     | 0.01     | ND       | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Final Carbonyl Data Report

| SAMPLE #                 | 24229 R1 | 24230 D2 | 24230 R2 | 24372    | 24373    | 24480   | 24481   | 24482   |
|--------------------------|----------|----------|----------|----------|----------|---------|---------|---------|
| SAMPLE DATE              | 11/27/01 | 11/27/01 | 11/27/01 | 11/28/01 | 11/29/01 | 12/1/01 | 12/2/01 | 12/3/01 |
| ANALYSIS DATE            | 12/12/01 | 12/12/01 | 12/12/01 | 12/11/01 | 12/11/01 | 1/3/02  | 1/3/02  | 1/3/02  |
| FILE NAME                | F1LK046  | F1LK047  | F1LK048  | F1LK016  | F1LK017  | F2AB014 | F2AB015 | F2AB016 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.87     | 1.78     | 1.80     | 2.06     | 1.87     | 0.81    | 1.63    | 1.83    |
| Acetaldehyde             | 0.74     | 0.83     | 0.83     | 0.65     | 0.65     | 0.46    | 0.83    | 1.06    |
| Acetone                  | 1.07     | 0.96     | 0.95     | 1.11     | 1.06     | 0.94    | 1.23    | 1.69    |
| Propionaldehyde          | 0.07     | 0.09     | 0.09     | 0.06     | 0.07     | 0.05    | 0.09    | 0.11    |
| Crotonaldehyde           | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.003   | 0.01    | 0.01    |
| Butyr/Isobutyraldehyde   | 0.14     | 0.12     | 0.11     | 0.12     | 0.09     | 0.08    | 0.12    | 0.14    |
| Benzaldehyde             | 0.03     | 0.03     | 0.03     | 0.03     | 0.03     | 0.02    | 0.03    | 0.04    |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | ND      | ND      | ND      |
| Valeraldehyde            | 0.03     | 0.03     | 0.03     | 0.03     | 0.03     | 0.01    | 0.02    | 0.02    |
| Tolualdehydes            | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.01    | 0.02    | 0.02    |
| Hexaldehyde              | 0.03     | 0.03     | 0.03     | 0.03     | 0.04     | 0.01    | 0.02    | 0.02    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | 0.01     | 0.01    | ND      | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Final Carbonyl Data Report

| SAMPLE #                 | 24483   | 24484   | 24485 D1 | 24485 R1 | 24486 D2 | 24486 R2 | 24487   | 24488   |
|--------------------------|---------|---------|----------|----------|----------|----------|---------|---------|
| SAMPLE DATE              | 12/4/01 | 12/5/01 | 12/6/01  | 12/6/01  | 12/6/01  | 12/6/01  | 12/7/01 | 12/8/01 |
| ANALYSIS DATE            | 1/3/02  | 1/3/02  | 1/3/02   | 1/3/02   | 1/3/02   | 1/3/02   | 1/3/02  | 1/3/02  |
| FILE NAME                | F2AB017 | F2AB018 | F2AB025  | F2AB026  | F2AB027  | F2AB028  | F2AB020 | F2AB021 |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 3.37    | 4.10    | 2.62     | 2.46     | 1.79     | 1.79     | 2.70    | 2.38    |
| Acetaldehyde             | 0.96    | 1.03    | 0.70     | 0.68     | 0.64     | 0.65     | 0.91    | 0.74    |
| Acetone                  | 1.14    | 1.63    | 1.32     | 1.24     | 1.00     | 0.98     | 1.89    | 1.06    |
| Propionaldehyde          | 0.09    | 0.09    | 0.06     | 0.06     | 0.08     | 0.07     | 0.09    | 0.09    |
| Crotonaldehyde           | 0.01    | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01    | 0.01    |
| Butyr/Isobutyraldehyde   | 0.13    | 0.14    | 0.13     | 0.12     | 0.12     | 0.12     | 0.15    | 0.12    |
| Benzaldehyde             | 0.04    | 0.04    | 0.04     | 0.03     | 0.03     | 0.03     | 0.05    | 0.03    |
| Isovaleraldehyde         | ND      | ND      | ND       | ND       | ND       | ND       | ND      | ND      |
| Valeraldehyde            | 0.02    | 0.03    | 0.03     | 0.02     | 0.03     | 0.03     | 0.03    | 0.03    |
| Tolualdehydes            | 0.03    | 0.04    | 0.02     | 0.02     | 0.03     | 0.03     | 0.03    | 0.02    |
| Hexaldehyde              | 0.03    | 0.03    | 0.02     | 0.02     | 0.03     | 0.02     | 0.03    | 0.04    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND       | ND       | ND       | ND       | ND      | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Final Carbonyl Data Report

| SAMPLE #                 | 24660    | 24661    | 24662 D2 | 24663    | 24664    | 24665 D1 | 24665 R1 | 24666 D2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 12/10/01 | 12/11/01 | 12/12/01 | 12/13/01 | 12/14/01 | 12/15/01 | 12/15/01 | 12/15/01 |
| ANALYSIS DATE            | 1/14/02  | 1/14/02  | 1/14/02  | 1/14/02  | 1/15/02  | 1/15/02  | 1/15/02  | 1/15/02  |
| FILE NAME                | F2AN016  | F2AN017  | F2AN018  | F2AN019  | F2AN020  | F2AN043  | F2AN044  | F2AN045  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.51     | 4.58     | 2.60     | 3.04     | 2.54     | 2.48     | 2.48     | 2.80     |
| Acetaldehyde             | 1.10     | 1.97     | 1.38     | 0.75     | 0.78     | 0.98     | 0.98     | 1.13     |
| Acetone                  | 1.28     | 2.66     | 1.07     | 1.06     | 1.54     | 1.34     | 1.34     | 1.44     |
| Propionaldehyde          | 0.12     | 0.19     | 0.15     | 0.08     | 0.09     | 0.11     | 0.11     | 0.17     |
| Crotonaldehyde           | 0.02     | 0.03     | 0.02     | 0.01     | 0.01     | 0.01     | 0.01     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.14     | 0.36     | 0.17     | 0.14     | 0.12     | 0.15     | 0.15     | 0.17     |
| Benzaldehyde             | 0.04     | 0.09     | 0.05     | 0.04     | 0.03     | 0.04     | 0.05     | 0.05     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | 0.01     | 0.01     | ND       |
| Valeraldehyde            | 0.03     | 0.06     | 0.05     | 0.02     | 0.03     | 0.03     | 0.03     | 0.04     |
| Tolualdehydes            | 0.04     | 0.08     | 0.05     | 0.03     | 0.03     | 0.04     | 0.05     | 0.06     |
| Hexaldehyde              | 0.02     | 0.07     | 0.06     | 0.02     | 0.04     | 0.04     | 0.04     | 0.06     |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.03     | ND       | ND       | 0.01     | ND       | 0.01     | 0.01     |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Final Carbonyl Data Report

| SAMPLE #                 | 24666 R2 | 24668    | 24761    | 24762    | 24763    | 24942 D1 | 24943    | 24944    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 12/15/01 | 12/16/01 | 12/17/01 | 12/19/01 | 12/20/01 | 12/21/01 | 12/22/01 | 12/23/01 |
| ANALYSIS DATE            | 1/15/02  | 1/15/02  | 1/17/02  | 1/17/02  | 1/17/02  | 1/19/02  | 1/19/02  | 1/19/02  |
| FILE NAME                | F2AN046  | F2AN023  | F2AQ015  | F2AQ016  | F2AQ017  | F2AR022  | F2AR023  | F2AR024  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.81     | 2.13     | 0.07     | 1.73     | 1.89     | 2.69     | 1.68     | 1.72     |
| Acetaldehyde             | 1.19     | 0.76     | 0.05     | 0.82     | 0.55     | 1.06     | 0.88     | 0.86     |
| Acetone                  | 1.45     | 1.00     | 0.11     | 1.14     | 0.87     | 1.45     | 1.13     | 1.10     |
| Propionaldehyde          | 0.18     | 0.09     | 0.01     | 0.09     | 0.06     | 0.11     | 0.09     | 0.09     |
| Crotonaldehyde           | 0.02     | 0.01     | ND       | 0.01     | 0.01     | 0.02     | 0.01     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.18     | 0.13     | 0.03     | 0.14     | 0.10     | 0.15     | 0.11     | 0.11     |
| Benzaldehyde             | 0.04     | 0.03     | 0.01     | 0.04     | 0.03     | 0.06     | 0.04     | 0.03     |
| Isovaleraldehyde         | ND       | 0.01     | ND       | 0.01     | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.04     | 0.03     | 0.004    | 0.04     | 0.03     | 0.04     | 0.03     | 0.03     |
| Tolualdehydes            | 0.06     | 0.03     | 0.01     | 0.05     | 0.03     | 0.05     | 0.04     | 0.03     |
| Hexaldehyde              | 0.06     | 0.05     | 0.01     | 0.02     | 0.02     | 0.04     | 0.04     | 0.03     |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.005    | ND       | 0.01     | ND       | 0.01     | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Final Carbonyl Data Report

| SAMPLE #                 | 24945 D1 | 24945 R1 | 24764 D2 | 24946    | 24947    | 24941    | 24940    | 24938 D2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 12/24/01 | 12/24/01 | 12/24/01 | 12/25/01 | 12/26/01 | 12/28/01 | 12/29/01 | 12/30/01 |
| ANALYSIS DATE            | 1/19/02  | 1/19/02  | 1/17/02  | 1/22/02  | 1/22/02  | 1/22/02  | 1/22/02  | 1/22/02  |
| FILE NAME                | F2AR025  | F2AR026  | F2AQ018  | F2AU030  | F2AU031  | F2AU029  | F2AU028  | F2AU027  |
| UNITS                    | ppbv     |
| Formaldehyde             | 0.70     | 0.70     | 0.58     | 0.67     | 0.92     | 1.96     | 1.80     | 1.09     |
| Acetaldehyde             | 0.46     | 0.45     | 0.32     | 0.53     | 0.64     | 0.73     | 0.59     | 0.53     |
| Acetone                  | 0.68     | 0.68     | 0.71     | 0.61     | 0.79     | 0.94     | 0.56     | 0.86     |
| Propionaldehyde          | 0.05     | 0.05     | 0.07     | 0.05     | 0.07     | 0.08     | 0.06     | 0.08     |
| Crotonaldehyde           | 0.004    | 0.005    | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.07     | 0.07     | 0.07     | 0.07     | 0.08     | 0.09     | 0.07     | 0.09     |
| Benzaldehyde             | 0.02     | 0.02     | 0.02     | 0.02     | 0.03     | 0.03     | 0.02     | 0.03     |
| Isovaleraldehyde         | ND       | ND       | ND       | 0.001    | 0.01     | 0.01     | 0.003    | ND       |
| Valeraldehyde            | 0.02     | 0.02     | 0.03     | 0.02     | 0.03     | 0.03     | 0.03     | 0.03     |
| Tolualdehydes            | 0.03     | 0.03     | 0.04     | 0.02     | 0.02     | 0.03     | 0.03     | 0.05     |
| Hexaldehyde              | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.03     | 0.02     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | 0.002u   | 0.01     | 0.01     | 0.03     |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Final Carbonyl Data Report

|                          |          |
|--------------------------|----------|
| SAMPLE #                 | 24939    |
| SAMPLE DATE              | 12/31/01 |
| ANALYSIS DATE            | 1/22/02  |
| FILE NAME                | F2AU039  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.31     |
| Acetaldehyde             | 0.71     |
| Acetone                  | 0.75     |
| Propionaldehyde          | 0.08     |
| Crotonaldehyde           | 0.02     |
| Butyr/Isobutyraldehyde   | 0.09     |
| Benzaldehyde             | 0.03     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.02     |
| Tolualdehydes            | 0.02     |
| Hexaldehyde              | 0.02     |
| 2,5-Dimethylbenzaldehyde | 0.01     |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# - Sample concentrations low due to moisture in cartridge.

# Dearborn, Michigan (DEMI/D2MI) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1EQ013  | F1FT010  |
|--------------------------|----------|----------|
| FB ID                    | 20024 FB | 20468 FB |
| Sample Date              | 5/1/01   | 5/31/01  |
| Date Analyzed            | 5/18/01  | 6/20/01  |
|                          |          |          |
| Formaldehyde             | 0.113    | 0.089    |
| Acetaldehyde             | 0.134    | 0.110    |
| Acetone                  | 0.242    | 0.238    |
| Propionaldehyde          | ND       | ND       |
| Crotonaldehyde           | ND       | ND       |
| Butyraldehyde            | 0.130    | 0.045    |
| Benzaldehyde             | 0.014    | 0.015    |
| Isovaleraldehyde         | ND       | ND       |
| Valeraldehyde            | 0.012    | 0.017    |
| Tolualdehydes            | ND       | 0.080    |
| Hexaldehyde              | 0.064    | 0.081    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       |

# Des Moines, Iowa (DMIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19019    | 19101 D1 | 19103 D2 | 19260   | 19380 D1 | 19380 R1 | 19382 D2 |
|--------------------------|----------|----------|----------|---------|----------|----------|----------|
| SAMPLE DATE              | 1/1/01   | 1/13/01  | 1/13/01  | 2/6/01  | 2/18/01  | 2/18/01  | 2/18/01  |
| ANALYSIS DATE            | 1/31/01  | VOID     | VOID     | 2/27/01 | 3/6/01   | 3/6/01   | 3/6/01   |
| FILE NAME                | Q1A\$015 | VOID     | VOID     | Q1B~011 | Q1CE037  | Q1CE038  | Q1CE039  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.10     |          |          | 11.86   | 1.41     | 1.19     | 1.42     |
| Acetaldehyde             | 0.53     |          |          | 3.48    | 0.46     | 0.42     | 0.43     |
| Acetone                  | 0.75     |          |          | 5.74    | 0.71     | 0.68     | 0.66     |
| Propionaldehyde          | 0.06     |          |          | 0.36    | 0.03     | 0.04     | 0.03     |
| Crotonaldehyde           | 0.03     |          |          | 0.14    | 0.02     | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.05     |          |          | 0.41    | 0.04     | 0.02     | 0.02     |
| Benzaldehyde             | 0.02     |          |          | 0.15    | 0.03     | 0.03     | 0.02     |
| Isovaleraldehyde         | ND       |          |          | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.02     |          |          | 0.37    | 0.003    | 0.005    | ND       |
| Tolualdehydes            | 0.06     |          |          | 0.20    | 0.02     | 0.04     | 0.03     |
| Hexaldehyde              | 0.05     |          |          | 1.13    | 0.14     | 0.15     | 0.10     |
| 2,5-Dimethylbenzaldehyde | 0.005    |          |          | 0.03    | 0.02     | 0.01     | 0.01     |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# Des Moines, Iowa (DMIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19382 R2 | 19516  | 19555   | 19692   | 19781   | 19819   | 19852   |
|--------------------------|----------|--------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 2/18/01  | 3/2/01 | 3/14/01 | 3/26/01 | 4/7/01  | 4/13/01 | 4/19/01 |
| ANALYSIS DATE            | 3/7/01   | VOID   | VOID    | 4/20/01 | 5/8/01  | VOID    | 5/16/01 |
| FILE NAME                | Q1CE040  | VOID   | VOID    | F1DS027 | F1EG017 | VOID    | Q1EO030 |
| UNITS                    | ppbv     | ppbv   | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.16     |        |         | 2.05    | 0.74    |         | 1.32    |
| Acetaldehyde             | 0.43     |        |         | 0.46    | 0.29    |         | 0.42    |
| Acetone                  | 0.67     |        |         | 0.80    | 0.81    |         | 1.28    |
| Propionaldehyde          | 0.03     |        |         | 0.02    | 0.01    |         | 0.01    |
| Crotonaldehyde           | 0.01     |        |         | 0.001u  | ND      |         | 0.02    |
| Butyr/Isobutyraldehyde   | 0.02     |        |         | 0.05    | 0.07    |         | 0.02    |
| Benzaldehyde             | 0.02     |        |         | 0.02    | 0.03    |         | 0.02    |
| Isovaleraldehyde         | ND       |        |         | ND      | ND      |         | ND      |
| Valeraldehyde            | ND       |        |         | 0.01    | 0.02    |         | ND      |
| Tolualdehydes            | 0.02     |        |         | 0.01    | 0.03    |         | 0.02    |
| Hexaldehyde              | 0.11     |        |         | 0.03    | 0.04    |         | 0.23    |
| 2,5-Dimethylbenzaldehyde | 0.01     |        |         | ND      | ND      |         | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# Des Moines, Iowa (DMIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19971   | 20107 D1 | 20107 R1 | 20109 D2 | 20109 R2 | 20349   | 20455   |
|--------------------------|---------|----------|----------|----------|----------|---------|---------|
| SAMPLE DATE              | 5/1/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/25/01 | 5/31/01 |
| ANALYSIS DATE            | 5/18/01 | 5/31/01  | 5/31/01  | 5/31/01  | 5/31/01  | 6/11/01 | 6/18/01 |
| FILE NAME                | Q1EQ035 | Q1E#050  | Q1E#051  | Q1E#052  | Q1E#053  | Q1FK008 | Q1FR012 |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 2.33    | 1.32     | 1.19     | 1.20     | 1.27     | *24.84  | *20.46  |
| Acetaldehyde             | 0.77    | 0.44     | 0.41     | 0.41     | 0.43     | 4.40    | 4.35    |
| Acetone                  | 1.18    | 1.13     | 1.03     | 1.07     | 1.13     | 4.19    | 4.65    |
| Propionaldehyde          | 0.02    | 0.01     | 0.01     | 0.02     | 0.02     | 0.26    | 0.35    |
| Crotonaldehyde           | ND      | ND       | ND       | ND       | ND       | 0.06    | 0.10    |
| Butyr/Isobutyraldehyde   | 0.04    | 0.03     | 0.03     | 0.01     | 0.02     | 0.37    | 0.43    |
| Benzaldehyde             | 0.06    | 0.06     | 0.05     | 0.04     | 0.03     | 0.26    | 0.24    |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       | ND       | ND      | ND      |
| Valeraldehyde            | ND      | ND       | ND       | ND       | ND       | 0.51    | 0.54    |
| Tolualdehydes            | 0.07    | 0.03     | 0.04     | 0.05     | 0.05     | 0.29    | 0.31    |
| Hexaldehyde              | 0.43    | 0.31     | 0.29     | 0.18     | 0.18     | 1.77    | 1.62    |
| 2,5-Dimethylbenzaldehyde | 0.00    | ND       | ND       | ND       | 0.01     | 0.05    | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# Des Moines, Iowa (DMIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20520   | 20805   | 21205   | 21467   | 21695   | 24291  | 22305 D1 |
|--------------------------|---------|---------|---------|---------|---------|--------|----------|
| SAMPLE DATE              | 6/6/01  | 6/18/01 | 6/30/01 | 7/12/01 | 7/24/01 | 8/5/01 | 8/17/01  |
| ANALYSIS DATE            | 6/21/01 | 6/28/01 | 7/18/01 | 7/26/01 | VOID    | VOID   | 9/21/01  |
| FILE NAME                | Q1FU009 | Q1F1012 | Q1GR008 | Q1GZ023 | VOID    | VOID   | F1IT023  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv   | ppbv     |
| Formaldehyde             | 3.27    | 5.41    | 3.74    | 14.07   |         |        | 14.07    |
| Acetaldehyde             | 1.53    | 1.21    | 1.45    | 4.79    |         |        | 0.48     |
| Acetone                  | 1.58    | 1.37    | 1.49    | 5.12    |         |        | 1.06     |
| Propionaldehyde          | 0.14    | 0.19    | ND      | 0.29    |         |        | 0.11     |
| Crotonaldehyde           | ND      | ND      | ND      | 0.10    |         |        | ND       |
| Butyr/Isobutyraldehyde   | 0.09    | 0.07    | 0.12    | 0.46    |         |        | 0.47     |
| Benzaldehyde             | 0.08    | 0.06    | 0.09    | 0.32    |         |        | 0.08     |
| Isovaleraldehyde         | ND      | ND      | ND      | ND      |         |        | ND       |
| Valeraldehyde            | ND      | ND      | 0.07    | 0.52    |         |        | 0.01     |
| Tolualdehydes            | 0.11    | 0.09    | 0.13    | 0.22    |         |        | 0.07     |
| Hexaldehyde              | 0.33    | 1.18    | 0.82    | 0.04    |         |        | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | ND      |         |        | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# Des Moines, Iowa (DMIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22305 R1 | 22307 D2 | 22307 R2 | 22526   | 22718   | 22959    | 23200    |
|--------------------------|----------|----------|----------|---------|---------|----------|----------|
| SAMPLE DATE              | 8/17/01  | 8/17/01  | 8/17/01  | 8/29/01 | 9/10/01 | 9/22/01  | 10/4/01  |
| ANALYSIS DATE            | 9/21/01  | 9/21/01  | 9/21/01  | 9/28/01 | 9/27/01 | 10/25/01 | 10/25/01 |
| FILE NAME                | F1IT024  | F1IT025  | F1IT026  | F1I-035 | Q1IZ050 | Q1JX025  | Q1JX042  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 15.07    | 16.07    | 17.07    | 18.07   | *14.07  | *16.65   | 13.04*   |
| Acetaldehyde             | 0.41     | 0.40     | 0.40     | 4.43    | 4.38    | 4.05     | 3.16     |
| Acetone                  | 1.01     | 0.81     | 0.81     | 5.89    | *6.68   | 4.24     | 4.41     |
| Propionaldehyde          | 0.10     | 0.06     | 0.06     | 0.63    | 0.28    | 0.28     | 0.28     |
| Crotonaldehyde           | ND       | ND       | ND       | 0.03    | 0.10    | 0.09     | 0.06     |
| Butyr/Isobutyraldehyde   | 0.44     | 0.76     | 0.75     | 0.39    | 0.45    | 0.47     | 0.34     |
| Benzaldehyde             | 0.07     | 0.03     | 0.04     | 0.30    | 0.34    | 0.35     | 0.20     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND      | ND      | ND       | 0.001u   |
| Valeraldehyde            | 0.01     | 0.002u   | 0.003    | 0.45    | 0.43    | 0.41     | 0.26     |
| Tolualdehydes            | 0.06     | 0.06     | 0.05     | 0.13    | 0.51    | 0.23     | 0.16     |
| Hexaldehyde              | 0.04     | 0.03     | 0.03     | 0.85    | 1.59    | 1.45     | 1.06     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND      | ND      | 0.01     | 0.02     |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# Des Moines, Iowa (DMIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23456    | 23536    | 23647    | 23774    | 23904    |
|--------------------------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/16/01 | 10/22/01 | 10/28/01 | 11/3/01  | 11/9/01  |
| ANALYSIS DATE            | 11/7/01  | 11/10/01 | 11/13/01 | 11/14/01 | 11/27/01 |
| FILE NAME                | F1KE047  | F1KH072  | F1KL046  | F1KL051  | F1KZ021  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 6.89     | 16.11*   | 9.73     | 9.79     | 5.74     |
| Acetaldehyde             | 1.84     | 3.65     | 2.48     | 2.61     | 1.69     |
| Acetone                  | 3.37     | 4.01     | 3.93     | 2.50     | 2.43     |
| Propionaldehyde          | 0.14     | 0.25     | 0.14     | 0.14     | 0.13     |
| Crotonaldehyde           | 0.01     | 0.02     | 0.02     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.30     | 0.43     | 0.31     | 0.28     | 0.22     |
| Benzaldehyde             | 0.11     | 0.20     | 0.12     | 0.14     | 0.08     |
| Isovaleraldehyde         | ND       | 0.01     | ND       | ND       | ND       |
| Valeraldehyde            | 0.17     | 0.31     | 0.18     | 0.17     | 0.13     |
| Tolualdehydes            | 0.08     | 0.06     | 0.11     | 0.07     | 0.09     |
| Hexaldehyde              | 0.41     | 0.71     | 0.38     | 0.35     | 0.31     |
| 2,5-Dimethylbenzaldehyde | 0.01     | ND       | 0.02     | ND       | 0.01     |

u - Concentration is below the detection limit.

\* - Compound diluted 2X.

# Des Moines, Iowa (DMIA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | Q1BH018  | Q1B~012  | F1DS026 | Q1EO031  | Q1FK009  | Q1GR007  | VOID     | F1I~034  |
|--------------------------|----------|----------|---------|----------|----------|----------|----------|----------|
| ERG Sample ID            | 19169 FB | 19261 FB | 19693   | 19853 FB | 20348 FB | 21204 FB | 21694 FB | 22525 FB |
| Date Sampled             | 1/23/01  | 2/6/01   | 3/23/01 | 4/19/01  | 5/25/01  | 6/30/01  | 7/24/01  | 8/29/01  |
| Date Analyzed            | 2/9/01   | 2/27/01  | 4/20/01 | 5/16/01  | 6/11/01  | 7/18/01  | VOID     | 9/28/01  |
| Formaldehyde             | 0.02     | 0.06     | 0.04    | 0.03     | 0.04     | 0.05     |          | 0.07     |
| Acetaldehyde             | 0.05     | 0.07     | 0.11    | 0.03     | 0.02     | 0.11     |          | 0.08     |
| Acetone                  | 0.17     | 0.10     | 0.11    | 0.11     | 0.14     | 0.37     |          | 0.29     |
| Propionaldehyde          | 0.002    | 0.002    | 0.003   | ND       | ND       | 0.024    |          | 0.004    |
| Crotonaldehyde           | ND       | ND       | ND      | ND       | ND       | ND       |          | ND       |
| Butyraldehyde            | ND       | ND       | 0.02    | 0.03     | ND       | ND       |          | 0.07     |
| Benzaldehyde             | 0.004    | 0.01     | 0.01    | ND       | ND       | 0.03     |          | 0.01     |
| Isovaleraldehyde         | ND       | ND       | ND      | ND       | ND       | ND       |          | ND       |
| Valeraldehyde            | ND       | ND       | ND      | ND       | ND       | ND       |          | 0.009    |
| Tolualdehydes            | ND       | ND       | ND      | ND       | 0.00     | ND       |          | 0.04     |
| Hexaldehyde              | 0.05     | ND       | 0.04    | 0.03     | ND       | 0.08     |          | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND      | ND       | ND       | ND       |          | ND       |

# Des Moines, Iowa (DMIA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | Q1JX024  | Q1JX041  | F1KZ021  |
|--------------------------|----------|----------|----------|
| ERG Sample ID            | 22958    | 23199    | 23903    |
| Date Sampled             | 9/22/01  | 10/4/01  | 11/9/01  |
| Date Analyzed            | 10/25/01 | 10/25/01 | 11/27/01 |
| Formaldehyde             | 0.02     | 0.02     | 0.06     |
| Acetaldehyde             | 0.04     | 0.04     | 0.07     |
| Acetone                  | 0.25     | 0.25     | 0.19     |
| Propionaldehyde          | ND       | ND       | ND       |
| Crotonaldehyde           | ND       | ND       | ND       |
| Butyraldehyde            | ND       | ND       | 0.06     |
| Benzaldehyde             | ND       | ND       | 0.02     |
| Isovaleraldehyde         | ND       | ND       | ND       |
| Valeraldehyde            | ND       | ND       | 0.01     |
| Tolualdehydes            | ND       | ND       | 0.07     |
| Hexaldehyde              | 0.03     | 0.03     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       |

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19004 D1 | 19004 R1 | 19005 D2 | 19005 R2 | 19054    | 19080 D1 | 19080 R1 | 19081 D2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 1/1/01   | 1/1/01   | 1/1/01   | 1/1/01   | 1/7/01   | 1/13/01  | 1/13/01  | 1/13/01  |
| ANALYSIS DATE            | 1/31/01  | 1/31/01  | 1/31/01  | 2/1/01   | 1/31/01  | 2/1/01   | 2/1/01   | 2/1/01   |
| FILE NAME                | Q1A%010  | Q1A%011  | Q1A%012  | Q1A%013  | Q1A\$024 | Q1A%014  | Q1A%015  | Q1A%016  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.82     | 1.96     | 2.18     | 2.10     | 2.24     | 1.26     | 1.26     | 1.30     |
| Acetaldehyde             | 1.13     | 1.21     | 1.28     | 1.23     | 1.58     | 0.63     | 0.63     | 0.66     |
| Acetone                  | 1.15     | 1.24     | 1.37     | 1.32     | 0.99     | 0.90     | 0.90     | 0.99     |
| Propionaldehyde          | 0.12     | 0.14     | 0.14     | 0.14     | 0.14     | 0.08     | 0.08     | 0.09     |
| Crotonaldehyde           | 0.06     | 0.06     | 0.06     | 0.06     | ND       | 0.03     | 0.03     | 0.03     |
| Butyr/Isobutyraldehyde   | 0.12     | 0.12     | 0.12     | 0.12     | 0.09     | 0.05     | 0.05     | 0.05     |
| Benzaldehyde             | 0.04     | 0.04     | 0.04     | 0.04     | 0.06     | 0.03     | 0.03     | 0.04     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.05     | 0.04     | 0.05     | 0.05     | 0.03     | 0.01     | 0.01     | 0.01     |
| Tolualdehydes            | 0.05     | 0.06     | 0.07     | 0.07     | 0.08     | 0.06     | 0.04     | 0.05     |
| Hexaldehyde              | ND       |
| 2,5-Dimethylbenzaldehyde | 0.04     | 0.04     | 0.04     | 0.05     | ND       | 0.01     | 0.01     | 0.02     |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19081 R2 | 19149   | 19198   | 19240 D1 | 19240 R1 | 19241 D2 | 19241 R2 | 19285 D1 |
|--------------------------|----------|---------|---------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 1/13/01  | 1/19/01 | 1/25/01 | 1/31/01  | 1/31/01  | 1/31/01  | 1/31/01  | 2/6/01   |
| ANALYSIS DATE            | 2/1/01   | 2/8/01  | 2/13/01 | 3/5/01   | 3/5/01   | 3/5/01   | 3/5/01   | 2/28/01  |
| FILE NAME                | Q1A%017  | Q1BH009 | Q1BM011 | Q1CE007  | Q1CE008  | Q1CE009  | Q1CE010  | Q1B~028  |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.27     | 1.24    | 1.37    | 1.18     | 1.17     | 1.16     | 1.13     | 1.92     |
| Acetaldehyde             | 0.65     | 0.36    | 0.55    | 0.45     | 0.46     | 0.47     | 0.45     | 0.98     |
| Acetone                  | 0.97     | 0.19    | 1.44    | 0.18     | 0.18     | 0.22     | 0.22     | 1.61     |
| Propionaldehyde          | 0.08     | 0.02    | 0.03    | 0.02     | 0.02     | 0.02     | 0.03     | 0.13     |
| Crotonaldehyde           | 0.03     | ND      | ND      | 0.01     | 0.01     | 0.01     | 0.01     | 0.03     |
| Butyr/Isobutyraldehyde   | 0.06     | 0.03    | 0.02    | 0.02     | 0.01     | 0.02     | 0.02     | 0.08     |
| Benzaldehyde             | 0.03     | 0.03    | 0.01    | 0.01     | 0.01     | 0.02     | 0.02     | 0.05     |
| Isovaleraldehyde         | ND       | ND      | ND      | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.01     | 0.01    | ND      | 0.004    | 0.005    | 0.005    | 0.004    | 0.01     |
| Tolualdehydes            | 0.04     | ND      | ND      | 0.01     | 0.02     | 0.02     | 0.02     | 0.04     |
| Hexaldehyde              | ND       | 0.15    | 0.11    | ND       | ND       | ND       | ND       | ND       |
| 2,5-Dimethylbenzaldehyde | 0.01     | ND      | 0.01    | 0.003u   | ND       | 0.002u   | 0.01     | 0.02     |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19285 R1 | 19286 D2 | 19286 R2 | 19329 D1 | 19329 R1 | 19330 D2 | 19330 R2 | 19399   |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 2/6/01   | 2/6/01   | 2/6/01   | 2/12/01  | 2/12/01  | 2/12/01  | 2/12/01  | 2/18/01 |
| ANALYSIS DATE            | 2/28/01  | 2/28/01  | 2/28/01  | 2/28/01  | 2/28/01  | 2/28/01  | 2/28/01  | 3/12/01 |
| FILE NAME                | Q1B~029  | Q1B~030  | Q1B~031  | Q1B!009  | Q1B!010  | Q1B!011  | Q1B!012  | Q1CL013 |
| UNITS                    | ppbv     | ppbv    |
| Formaldehyde             | 1.86     | 1.97     | 1.95     | 1.47     | 1.52     | 1.69     | 1.76     | 1.51    |
| Acetaldehyde             | 0.96     | 0.99     | 1.01     | 0.64     | 0.63     | 0.71     | 0.74     | 0.58    |
| Acetone                  | 1.58     | 1.65     | 1.66     | 0.28     | 0.29     | 0.31     | 0.32     | 0.83    |
| Propionaldehyde          | 0.12     | 0.13     | 0.12     | 0.05     | 0.05     | 0.06     | 0.06     | 0.05    |
| Crotonaldehyde           | 0.03     | 0.03     | 0.04     | 0.02     | 0.03     | 0.03     | 0.03     | 0.02    |
| Butyr/Isobutyraldehyde   | 0.09     | 0.09     | 0.11     | 0.03     | 0.03     | 0.03     | 0.04     | 0.02    |
| Benzaldehyde             | 0.04     | 0.06     | 0.05     | 0.04     | 0.04     | 0.04     | 0.04     | 0.02    |
| Isovaleraldehyde         | ND       | ND      |
| Valeraldehyde            | 0.01     | 0.01     | 0.02     | 0.007    | 0.009    | ND       | 0.03     | 0.003   |
| Tolualdehydes            | 0.04     | 0.06     | 0.06     | 0.02     | 0.03     | 0.05     | 0.08     | 0.02    |
| Hexaldehyde              | ND       | ND      |
| 2,5-Dimethylbenzaldehyde | 0.03     | 0.02     | 0.02     | 0.01     | 0.01     | 0.01     | 0.01     | ND      |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19445   | 19482 D1 | 19482 R1 | 19483 D2 | 19483 R2 | 19545   | 19566 D1 | 19566 R1 |
|--------------------------|---------|----------|----------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 2/24/01 | 3/2/01   | 3/2/01   | 3/2/01   | 3/2/01   | 3/8/01  | 3/14/01  | 3/14/01  |
| ANALYSIS DATE            | 4/10/01 | 4/17/01  | 4/17/01  | 4/17/01  | 4/17/01  | 4/17/01 | 4/20/01  | 4/20/01  |
| FILE NAME                | F1DI012 | F1DP025  | F1DP026  | F1DP027  | F1DP028  | F1DP034 | F1DS031  | F1DS032  |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 1.99    | 1.15     | 1.18     | 1.21     | 1.21     | 2.31    | 1.69     | 1.69     |
| Acetaldehyde             | 1.03    | 0.39     | 0.38     | 0.38     | 0.38     | 1.05    | 0.77     | 0.79     |
| Acetone                  | 0.97    | 0.29     | 0.29     | 0.29     | 0.30     | 1.81    | 0.43     | 0.38     |
| Propionaldehyde          | 0.06    | 0.02     | 0.02     | 0.02     | 0.03     | 0.09    | 0.04     | 0.03     |
| Crotonaldehyde           | 0.002u  | ND       | ND       | ND       | ND       | 0.02    | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.07    | 0.01     | 0.01     | 0.02     | 0.02     | 0.11    | 0.05     | 0.03     |
| Benzaldehyde             | 0.04    | 0.01     | 0.02     | 0.01     | 0.01     | 0.04    | 0.04     | 0.04     |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       | ND       | ND      | ND       | ND       |
| Valeraldehyde            | 0.03    | 0.001u   | 0.006    | ND       | ND       | 0.02    | 0.02     | 0.01     |
| Tolualdehydes            | 0.04    | 0.01     | 0.004    | ND       | ND       | 0.04    | 0.01     | 0.02     |
| Hexaldehyde              | 0.05    | 0.03     | 0.02     | 0.02     | 0.02     | 0.06    | 0.06     | 0.07     |
| 2,5-Dimethylbenzaldehyde | 0.0004u | ND       | ND       | ND       | ND       | 0.003u  | ND       | 0.002u   |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19567 D2 | 19567 R2 | 19615   | 19722 D1 | 19722 R1 | 19723 D2 | 19723 R2 | 19764   |
|--------------------------|----------|----------|---------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 3/14/01  | 3/14/01  | 3/20/01 | 3/26/01  | 3/26/01  | 3/26/01  | 3/26/01  | 4/1/01  |
| ANALYSIS DATE            | 4/20/01  | 4/20/01  | 4/20/01 | 5/1/01   | 5/1/01   | 5/1/01   | 5/1/01   | 5/7/01  |
| FILE NAME                | F1DS033  | F1DS034  | F1DS018 | F1D\$046 | F1D\$047 | F1D\$048 | F1D\$049 | F1EG009 |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    |
| Formaldehyde             | 1.89     | 1.93     | 0.87    | 1.39     | 1.40     | 1.44     | 1.42     | 1.48    |
| Acetaldehyde             | 0.85     | 0.87     | 0.29    | 0.65     | 0.69     | 0.67     | 0.70     | 0.53    |
| Acetone                  | 0.44     | 0.45     | 0.56    | 1.08     | 1.08     | 1.09     | 1.08     | 0.95    |
| Propionaldehyde          | 0.05     | 0.04     | ND      | 0.02     | 0.02     | 0.02     | 0.02     | ND      |
| Crotonaldehyde           | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND      |
| Butyr/Isobutyraldehyde   | 0.03     | 0.03     | 0.02    | 0.04     | 0.04     | 0.05     | 0.04     | 0.06    |
| Benzaldehyde             | 0.03     | 0.03     | 0.01    | 0.02     | 0.02     | 0.02     | 0.02     | 0.02    |
| Isovaleraldehyde         | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND      |
| Valeraldehyde            | 0.01     | 0.01     | 0.003   | 0.01     | 0.009    | 0.007    | 0.007    | 0.02    |
| Tolualdehydes            | 0.02     | 0.02     | ND      | 0.01     | 0.004    | 0.002u   | 0.004    | 0.004   |
| Hexaldehyde              | 0.04     | 0.04     | 0.02    | 0.03     | 0.02     | 0.03     | 0.03     | 0.03    |
| 2,5-Dimethylbenzaldehyde | 0.001u   | 0.001u   | ND      | 0.002u   | 0.003u   | 0.01     | 0.002u   | ND      |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19798 D1 | 19798 R1 | 19799 D2 | 19799 R2 | 19847   | 19895 D1 | 19895 R1 | 19896 D2 |
|--------------------------|----------|----------|----------|----------|---------|----------|----------|----------|
| SAMPLE DATE              | 4/7/01   | 4/7/01   | 4/7/01   | 4/7/01   | 4/13/01 | 4/19/01  | 4/19/01  | 4/19/01  |
| ANALYSIS DATE            | 5/9/01   | 5/9/01   | 5/9/01   | 5/9/01   | 5/8/01  | 5/16/01  | 5/16/01  | 5/16/01  |
| FILE NAME                | F1EG048  | F1EG049  | F1EG050  | F1EG051  | F1EG040 | Q1EO045  | Q1EO046  | Q1EO047  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 2.12     | 2.15     | 2.00     | 1.92     | 1.89    | 2.22     | 2.37     | 2.38     |
| Acetaldehyde             | 0.79     | 0.80     | 0.75     | 0.74     | 0.70    | 0.86     | 0.89     | 0.89     |
| Acetone                  | 0.53     | 0.54     | 0.49     | 0.47     | 0.30    | 1.41     | 1.52     | 1.58     |
| Propionaldehyde          | 0.02     | 0.02     | 0.02     | 0.02     | 0.03    | 0.04     | 0.05     | 0.05     |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND      | 0.06     | 0.05     | 0.06     |
| Butyr/Isobutyraldehyde   | 0.05     | 0.05     | 0.04     | 0.04     | 0.04    | 0.03     | 0.03     | 0.04     |
| Benzaldehyde             | 0.04     | 0.02     | 0.02     | 0.03     | 0.05    | 0.05     | 0.05     | 0.05     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | ND       | ND       | 0.01     |
| Valeraldehyde            | 0.02     | 0.02     | 0.01     | 0.02     | 0.01    | ND       | ND       | ND       |
| Tolualdehydes            | 0.01     | 0.01     | 0.01     | 0.01     | 0.02    | 0.03     | 0.02     | 0.03     |
| Hexaldehyde              | 0.04     | 0.04     | 0.03     | 0.03     | 0.04    | 0.31     | 0.37     | 0.32     |
| 2,5-Dimethylbenzaldehyde | 0.002u   | 0.006    | 0.007    | ND       | ND      | 0.016    | 0.008    | ND       |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19896 R2 | 19941   | 20003 D1 | 20003 R1 | 20004 D1 | 20004 R2 | 20079   | 20141 D1 |
|--------------------------|----------|---------|----------|----------|----------|----------|---------|----------|
| SAMPLE DATE              | 4/19/01  | 4/25/01 | 5/1/01   | 5/1/01   | 5/1/01   | 5/1/01   | 5/7/01  | 5/13/01  |
| ANALYSIS DATE            | 5/16/01  | 5/18/01 | 5/18/01  | 5/19/01  | 5/19/01  | 5/19/01  | 5/18/01 | 7/27/01  |
| FILE NAME                | Q1EO048  | Q1EQ031 | Q1EQ048  | Q1EQ049  | Q1EQ050  | Q1EQ051  | F1EQ017 | F1GZ034  |
| UNITS                    | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     |
| Formaldehyde             | 2.32     | 3.33    | 3.22     | 3.35     | 3.10     | 3.42     | 3.34    | 3.23     |
| Acetaldehyde             | 0.87     | 1.16    | 0.85     | 1.09     | 0.80     | 0.92     | 0.95    | 1.03     |
| Acetone                  | 1.54     | 0.56    | 0.76     | 0.73     | 0.70     | 0.78     | 0.95    | 0.78     |
| Propionaldehyde          | 0.04     | 0.02    | 0.05     | ND       | 0.03     | 0.06     | ND      | ND       |
| Crotonaldehyde           | 0.05     | 0.03    | 0.11     | ND       | 0.14     | 0.09     | ND      | ND       |
| Butyr/Isobutyraldehyde   | 0.04     | 0.04    | 0.03     | 0.02     | 0.05     | 0.05     | 0.07    | 0.46     |
| Benzaldehyde             | 0.04     | 0.07    | 0.04     | 0.03     | 0.03     | 0.04     | 0.07    | ND       |
| Isovaleraldehyde         | ND       | ND      | ND       | ND       | ND       | ND       | ND      | 0.01     |
| Valeraldehyde            | ND       | ND      | ND       | ND       | ND       | ND       | 0.06    | 0.02     |
| Tolualdehydes            | 0.03     | 0.05    | 0.004    | 0.05     | 0.06     | 0.05     | ND      | ND       |
| Hexaldehyde              | 0.30     | 0.42    | 0.45     | 0.44     | 0.43     | 0.53     | 0.03    | 0.05     |
| 2,5-Dimethylbenzaldehyde | ND       | 0.026   | ND       | ND       | ND       | ND       | 0.0002u | ND       |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20141 R1 | 20142 D2 | 20142 R2 | 20257   | 20360 D1 | 20360 R1 | #20361 D2 | #20361 R2 |
|--------------------------|----------|----------|----------|---------|----------|----------|-----------|-----------|
| SAMPLE DATE              | 5/13/01  | 5/13/01  | 5/13/01  | 5/19/01 | 5/25/01  | 5/25/01  | 5/25/01   | 5/25/01   |
| ANALYSIS DATE            | 7/27/01  | 7/27/01  | 7/27/01  | 6/14/01 | 6/16/01  | 6/16/01  | 6/16/01   | 6/16/01   |
| FILE NAME                | F1GZ035  | F1GZ036  | F1GZ037  | F1FN013 | F1FN059  | F1FN060  | F1FN062   | F1FN063   |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv      | ppbv      |
| Formaldehyde             | 3.24     | 3.07     | 2.91     | **55.05 | 4.43     | 4.75     | 11.21     | 11.27     |
| Acetaldehyde             | 1.03     | 0.97     | 0.94     | **4.07  | 1.05     | 1.13     | 0.60      | 0.51      |
| Acetone                  | 0.73     | 0.71     | 0.66     | 1.50    | 0.81     | 0.87     | 0.13      | 0.07      |
| Propionaldehyde          | 0.09     | 0.11     | 0.10     | 0.36    | 0.04     | 0.04     | ND        | ND        |
| Crotonaldehyde           | 0.53     | ND       | ND       | 0.04    | ND       | ND       | 0.05      | 0.05      |
| Butyr/Isobutyraldehyde   | 0.60     | 0.65     | 0.56     | 0.47    | 0.04     | 0.07     | ND        | ND        |
| Benzaldehyde             | ND       | 0.39     | 0.29     | 0.48    | 0.02     | 0.05     | 0.66      | 0.58      |
| Isovaleraldehyde         | 0.02     | ND       | ND       | ND      | ND       | ND       | ND        | ND        |
| Valeraldehyde            | 0.01     | 0.02     | ND       | 0.84    | 0.003    | ND       | ND        | ND        |
| Tolualdehydes            | ND       | ND       | ND       | 0.027   | ND       | ND       | ND        | ND        |
| Hexaldehyde              | 0.05     | 0.04     | 0.04     | 2.42    | 0.04     | 0.03     | ND        | ND        |
| 2,5-Dimethylbenzaldehyde | 0.0004u  | ND       | ND       | ND      | ND       | ND       | ND        | ND        |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20441   | 20537 D1  | 20537 R1  | 20538 D2  | 20538 R2  | 20630    | 21124 D1  | 21124 R1  |
|--------------------------|---------|-----------|-----------|-----------|-----------|----------|-----------|-----------|
| SAMPLE DATE              | 5/31/01 | 6/6/01    | 6/6/01    | 6/6/01    | 6/6/01    | 6/12/01  | 6/24/01   | 6/24/01   |
| ANALYSIS DATE            | 6/21/01 | 6/29/01   | 6/29/01   | 6/29/01   | 6/29/01   | 6/29/01  | 7/25/01   | 7/25/01   |
| FILE NAME                | F1FT024 | ##F1F!023 | ##F1F!024 | ##F1F!025 | ##F1F!026 | #F1F!020 | ##Q1GW061 | ##Q1GW062 |
| UNITS                    | ppbv    | ppbv      | ppbv      | ppbv      | ppbv      | ppbv     | ppbv      | ppbv      |
| Formaldehyde             | 0.38    | 0.73      | 0.68      | 1.87      | 1.82      | 34.44    | 1.38      | 1.47      |
| Acetaldehyde             | 0.21    | ND        | ND        | ND        | ND        | ND       | ND        | ND        |
| Acetone                  | 0.03    | ND        | ND        | ND        | ND        | ND       | ND        | ND        |
| Propionaldehyde          | 0.07    | ND        | ND        | ND        | ND        | ND       | ND        | ND        |
| Crotonaldehyde           | 0.08    | 0.0005u   | 0.002u    | ND        | ND        | ND       | ND        | ND        |
| Butyr/Isobutyraldehyde   | 0.51    | ND        | ND        | ND        | ND        | ND       | ND        | ND        |
| Benzaldehyde             | ND      | 0.03      | 0.03      | 0.03      | 0.03      | ND       | 0.03      | 0.02      |
| Isovaleraldehyde         | ND      | 0.02      | 0.02      | 0.01      | 0.02      | ND       | ND        | ND        |
| Valeraldehyde            | ND      | ND        | ND        | ND        | ND        | ND       | ND        | ND        |
| Tolualdehydes            | ND      | 0.0004u   | ND        | ND        | ND        | ND       | ND        | ND        |
| Hexaldehyde              | 0.07    | 0.005     | 0.005     | ND        | ND        | ND       | 0.07      | 0.07      |
| 2,5-Dimethylbenzaldehyde | ND      | ND        | ND        | ND        | ND        | ND       | ND        | ND        |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21125 D2 | 21278   | 21422 D1 | 21423 D2 | 21423 R2 | 21557   | 21616 D1  | 21616 R1  |
|--------------------------|----------|---------|----------|----------|----------|---------|-----------|-----------|
| SAMPLE DATE              | 6/24/01  | 6/30/01 | 7/6/01   | 7/6/01   | 7/6/01   | 7/12/01 | 7/18/01   | 7/18/01   |
| ANALYSIS DATE            | VOID     | 7/25/01 | VOID     | 7/29/01  | 7/29/01  | 8/1/01  | 9/10/01   | 9/10/01   |
| FILE NAME                | VOID     | Q1GY004 | VOID     | F1G#011  | F1G#012  | F1HA013 | ##Q1IJ015 | ##Q1IJ016 |
| UNITS                    | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv      | ppbv      |
| Formaldehyde             |          | 45.27   |          | 0.55     | 0.56     | *30.54  | 1.40      | 1.36      |
| Acetaldehyde             |          | 3.31    |          | 0.00     | 0.00     | 1.93    | ND        | ND        |
| Acetone                  |          | 2.18    |          | ND       | ND       | 0.12    | ND        | ND        |
| Propionaldehyde          |          | 0.28    |          | ND       | ND       | 0.46    | ND        | ND        |
| Crotonaldehyde           |          | ND      |          | 0.002u   | 0.002u   | ND      | ND        | ND        |
| Butyr/Isobutyraldehyde   |          | 0.15    |          | ND       | ND       | 0.12    | ND        | ND        |
| Benzaldehyde             |          | 0.40    |          | 0.02     | 0.03     | ND      | 0.02      | 0.02      |
| Isovaleraldehyde         |          | 0.04    |          | 0.07     | 0.06     | 0.04    | ND        | ND        |
| Valeraldehyde            |          | 0.86    |          | ND       | ND       | 0.13    | ND        | ND        |
| Tolualdehydes            |          | 0.19    |          | 0.05     | 0.04     | 0.06    | 0.01      | 0.01      |
| Hexaldehyde              |          | 3.20    |          | 0.01     | 0.01     | 0.03    | 0.12      | 0.12      |
| 2,5-Dimethylbenzaldehyde |          | ND      |          | 0.001u   | ND       | 0.062   | ND        | ND        |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21617 D2 | 21617 R2 | 21722   | 21848 D1 | 21849 D2 | 22021   | 22116 D1 | 22116 R1 |
|--------------------------|----------|----------|---------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 7/18/01  | 7/18/01  | 7/24/01 | 7/30/01  | 7/30/01  | 8/5/01  | 8/11/01  | 8/11/01  |
| ANALYSIS DATE            | 8/2/01   | 8/2/01   | 8/14/01 | VOID     | VOID     | 8/28/01 | 9/13/01  | 9/13/01  |
| FILE NAME                | F1HA026  | F1HA027  | F1HN013 | VOID     | VOID     | F1H~012 | #Q1IL024 | #Q1IL025 |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 0.88     | 0.88     | **30.24 |          |          | *25.83  | 41.39    | 39.75    |
| Acetaldehyde             | 0.25     | 0.26     | 1.63    |          |          | 2.04    | ND       | ND       |
| Acetone                  | 0.38     | 0.39     | 1.68    |          |          | 1.38    | ND       | ND       |
| Propionaldehyde          | 0.00     | 0.00     | 0.12    |          |          | 0.29    | ND       | ND       |
| Crotonaldehyde           | 0.0005u  | ND       | 0.10    |          |          | 0.02    | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.24     | 0.33     | 0.14    |          |          | 0.37    | ND       | ND       |
| Benzaldehyde             | 0.02     | 0.02     | 0.19    |          |          | 0.23    | ND       | ND       |
| Isovaleraldehyde         | 0.02     | 0.02     | 0.07    |          |          | 0.04    | ND       | ND       |
| Valeraldehyde            | 0.007    | 0.007    | 0.42    |          |          | 0.41    | ND       | ND       |
| Tolualdehydes            | 0.0004u  | 0.03     | 0.08    |          |          | 0.04    | 1.82     | 1.16     |
| Hexaldehyde              | 0.02     | 0.02     | 1.11    |          |          | 1.11    | 1.29     | 0.74     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND      |          |          | 0.042   | ND       | ND       |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22117 D2 | 22117 R2 | 22329   | 22378 D1 | 22378 R1 | 22379 D2 | 22379 R2 | 22644 D1 |
|--------------------------|----------|----------|---------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 8/11/01  | 8/11/01  | 8/17/01 | 8/23/01  | 8/23/01  | 8/23/01  | 8/23/01  | 9/4/01   |
| ANALYSIS DATE            | 9/13/01  | 9/13/01  | 9/13/01 | 9/21/01  | 9/21/01  | 9/21/01  | 9/21/01  | 10/17/01 |
| FILE NAME                | #Q1IL026 | #Q1IL027 | Q1IL043 | #F1IT040 | #F1IT041 | F1IT042  | F1IT043  | Q1JQ019  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 55.93    | 59.32    | *26.68  | 5.40     | 5.31     | 5.93     | 6.52     | 3.87     |
| Acetaldehyde             | 5.30     | 4.93     | 3.54    | 0.74     | 0.72     | 0.95     | 0.97     | 1.56     |
| Acetone                  | ND       | ND       | 3.56    | 0.08     | 0.03     | 0.31     | 0.31     | 0.44     |
| Propionaldehyde          | ND       | ND       | 0.31    | ND       | ND       | 0.03     | 0.03     | 0.16     |
| Crotonaldehyde           | ND       | ND       | 0.15    | 0.003    | ND       | ND       | ND       | 0.20     |
| Butyr/Isobutyraldehyde   | ND       | ND       | 0.43    | ND       | 0.00     | 0.53     | 0.52     | 0.10     |
| Benzaldehyde             | 1.02     | 0.93     | 0.35    | 0.10     | 0.11     | 0.06     | 0.05     | 0.04     |
| Isovaleraldehyde         | ND       | ND       | 0.01    | 0.00     | 0.00     | ND       | ND       | ND       |
| Valeraldehyde            | ND       | ND       | 0.71    | 0.07     | ND       | 0.009    | 0.013    | 0.02     |
| Tolualdehydes            | 3.09     | 1.36     | 0.16    | 0.25     | 0.67     | 0.04     | 0.05     | 0.07     |
| Hexaldehyde              | 1.06     | 0.94     | 3.06    | 0.01     | 0.00     | 0.01     | 0.02     | 0.23     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22644 R1 | 22645 D2 | 22645 R2 | 22828    | 22855 D1 | 22855 R1 | 22856 D2 | 22856 R2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/4/01   | 9/4/01   | 9/4/01   | 9/10/01  | 9/16/01  | 9/16/01  | 9/16/01  | 9/16/01  |
| ANALYSIS DATE            | 10/18/01 | 10/18/01 | 10/18/01 | 10/19/01 | 10/24/01 | 10/24/01 | 10/24/01 | 10/24/01 |
| FILE NAME                | Q1JQ020  | Q1JQ021  | Q1JQ022  | F1JS015  | F1JV041  | F1JV042  | F1JV043  | F1JV044  |
| UNITS                    | ppbv     |
| Formaldehyde             | 3.76     | 3.61     | 3.65     | 3.42     | 3.87     | 4.01     | 3.95     | 3.92     |
| Acetaldehyde             | 1.55     | 1.43     | 1.44     | 1.08     | 1.61     | 1.64     | 1.60     | 1.58     |
| Acetone                  | 0.43     | 0.37     | 0.36     | 0.43     | 0.81     | 0.84     | 0.78     | 0.78     |
| Propionaldehyde          | 0.17     | 0.16     | 0.16     | 0.10     | 0.13     | 0.14     | 0.14     | 0.15     |
| Crotonaldehyde           | 0.23     | 0.23     | 0.23     | ND       | 0.01     | 0.005    | 0.002u   | 0.003    |
| Butyr/Isobutyraldehyde   | 0.13     | 0.11     | 0.12     | 0.14     | 0.19     | 0.19     | 0.17     | 0.17     |
| Benzaldehyde             | 0.04     | 0.04     | 0.04     | 0.08     | 0.05     | 0.07     | 0.06     | 0.06     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.02     | 0.011    | 0.007    | 0.03     | 0.03     | 0.04     | 0.04     | 0.03     |
| Tolualdehydes            | 0.06     | 0.06     | 0.05     | 0.04     | 0.07     | 0.04     | 0.04     | 0.05     |
| Hexaldehyde              | 0.22     | 0.20     | 0.20     | 0.04     | 0.07     | 0.04     | 0.04     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22935    | 23014 D1 | 23014 R1 | 23015 D2 | 23015 R2 | 23172    | 23258 D1 | 23258 R1 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/19/01  | 9/22/01  | 9/22/01  | 9/22/01  | 9/22/01  | 9/28/01  | 10/4/01  | 10/4/01  |
| ANALYSIS DATE            | 10/23/01 | 10/28/01 | 10/28/01 | 10/28/01 | 10/28/01 | 10/27/01 | 11/2/01  | 11/2/01  |
| FILE NAME                | F1JV024  | F1JZ066  | F1JZ067  | F1JZ068  | F1JZ069  | F1JZ058  | F1KA018  | F1KA019  |
| UNITS                    | ppbv     |
| Formaldehyde             | 3.68     | 3.45     | 3.43     | 3.19     | 3.23     | 4.51     | 3.88     | 3.64     |
| Acetaldehyde             | 1.61     | 1.40     | 1.39     | 1.30     | 1.31     | 1.64     | 1.57     | 1.45     |
| Acetone                  | 0.77     | 0.63     | 0.64     | 0.49     | 0.50     | 0.88     | 0.71     | 0.65     |
| Propionaldehyde          | 0.11     | 0.13     | 0.13     | 0.12     | 0.12     | 0.10     | 0.16     | 0.16     |
| Crotonaldehyde           | ND       | 0.004    | 0.004    | 0.003    | 0.004    | 0.005    | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.18     | 0.21     | 0.21     | 0.18     | 0.18     | 0.20     | 0.18     | 0.17     |
| Benzaldehyde             | 0.07     | 0.05     | 0.05     | 0.05     | 0.05     | 0.05     | 0.05     | 0.05     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.04     | 0.03     | 0.04     | 0.04     | 0.03     | 0.03     | 0.04     | 0.04     |
| Tolualdehydes            | 0.06     | 0.05     | 0.06     | 0.05     | 0.05     | 0.04     | 0.05     | 0.03     |
| Hexaldehyde              | 0.03     | 0.04     | 0.05     | 0.04     | 0.04     | 0.03     | 0.03     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | ND       | 0.001u   | 0.001u   |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23259 D2 | 23259 R2 | 23352    | 23425 D1 | 23425 R1 | 23426 D2 | 23426 R2 | 23552    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/4/01  | 10/4/01  | 10/10/01 | 10/16/01 | 10/16/01 | 10/16/01 | 10/16/01 | 10/22/01 |
| ANALYSIS DATE            | 11/2/01  | 11/2/01  | 11/6/01  | 11/7/01  | 11/7/01  | 11/7/01  | 11/7/01  | 11/9/01  |
| FILE NAME                | F1KA020  | F1KA021  | F1KE039  | F1KE086  | F1KE087  | F1KE088  | F1KE089  | F1KH050  |
| UNITS                    | ppbv     |
| Formaldehyde             | 3.54     | 3.50     | 3.59     | 3.74     | 3.81     | 3.49     | 3.48     | 2.91     |
| Acetaldehyde             | 1.37     | 1.40     | 1.20     | 1.35     | 1.37     | 1.28     | 1.25     | 1.05     |
| Acetone                  | 0.54     | 0.53     | 0.39     | 0.86     | 0.86     | 0.65     | 0.64     | 0.51     |
| Propionaldehyde          | 0.15     | 0.13     | 0.07     | 0.08     | 0.07     | 0.08     | 0.07     | 0.07     |
| Crotonaldehyde           | 0.01     | 0.01     | ND       | ND       | 0.0005u  | 0.002u   | 0.003    | ND       |
| Butyr/Isobutyraldehyde   | 0.15     | 0.14     | 0.16     | 0.16     | 0.16     | 0.13     | 0.13     | 0.16     |
| Benzaldehyde             | 0.05     | 0.04     | 0.04     | 0.03     | 0.04     | 0.03     | 0.04     | 0.04     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.03     | 0.03     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     |
| Tolualdehydes            | 0.04     | 0.04     | 0.03     | 0.05     | 0.0004u  | 0.04     | 0.03     | 0.03     |
| Hexaldehyde              | 0.02     | 0.02     | 0.01     | 0.02     | 0.02     | 0.02     | 0.02     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23712 D1 | 23712 R1 | 23713 R2 | 23713 D2 | 23746    | 23840 D1 | 23840 R1 | 23841 D2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/28/01 | 10/28/01 | 10/28/01 | 10/28/01 | 10/31/01 | 11/3/01  | 11/3/01  | 11/3/01  |
| ANALYSIS DATE            | 11/14/01 | 11/14/01 | 11/14/01 | 11/14/01 | 11/13/01 | 11/20/01 | 11/21/01 | 11/21/01 |
| FILE NAME                | F1KL060  | F1KL061  | F1KL063  | F1KL062  | F1KL035  | F1KT022  | F1KT023  | F1KT024  |
| UNITS                    | ppbv     |
| Formaldehyde             | 3.42     | 3.48     | 2.50     | 2.55     | 2.96     | 2.71     | 2.53     | 2.45     |
| Acetaldehyde             | 1.60     | 1.64     | 1.16     | 1.19     | 1.11     | 0.84     | 0.77     | 0.74     |
| Acetone                  | 0.97     | 0.99     | 0.94     | 0.96     | 0.54     | 0.43     | 0.39     | 0.29     |
| Propionaldehyde          | 0.05     | 0.05     | 0.04     | 0.04     | 0.07     | 0.06     | 0.05     | 0.06     |
| Crotonaldehyde           | ND       |
| Butyr/Isobutyraldehyde   | 0.13     | 0.13     | 0.11     | 0.11     | 0.13     | 0.11     | 0.10     | 0.09     |
| Benzaldehyde             | 0.01     | 0.02     | 0.01     | 0.01     | 0.04     | 0.03     | 0.03     | 0.03     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.01     | 0.009    | 0.008    | 0.009    | 0.02     | 0.02     | 0.02     | 0.02     |
| Tolualdehydes            | 0.02     | 0.02     | 0.01     | 0.01     | 0.04     | 0.02     | 0.03     | 0.02     |
| Hexaldehyde              | 0.01     | 0.01     | 0.01     | 0.01     | 0.02     | 0.02     | 0.01     | 0.01     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23841 R2 | 23989    | 24015 D1 | 24015 R1 | 24016 D2 | 24016 R2 | 24173    | 24220 D1 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 11/3/01  | 11/9/01  | 11/15/01 | 11/15/01 | 11/15/01 | 11/15/01 | 11/21/01 | 11/27/01 |
| ANALYSIS DATE            | 11/21/01 | 11/26/01 | 11/30/01 | 11/30/01 | 11/30/01 | 11/30/01 | 12/6/01  | 12/12/01 |
| FILE NAME                | F1KT025  | F1KZ015  | F1K!053  | F1K!054  | F1K!055  | F1K!056  | F1LF014  | F1LK041  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.49     | 2.99     | 2.02     | 1.96     | 1.84     | 1.75     | 3.23     | 2.70     |
| Acetaldehyde             | 0.74     | 1.36     | 0.79     | 0.77     | 0.72     | 0.68     | 1.45     | 1.03     |
| Acetone                  | 0.30     | 1.12     | 0.54     | 0.53     | 0.43     | 0.40     | 1.03     | 0.53     |
| Propionaldehyde          | 0.05     | 0.11     | 0.03     | 0.03     | 0.03     | 0.03     | 0.12     | 0.11     |
| Crotonaldehyde           | ND       | 0.01     | ND       | ND       | ND       | ND       | 0.004    | 0.01     |
| Butyr/Isobutyraldehyde   | 0.09     | 0.11     | 0.10     | 0.11     | 0.10     | 0.09     | 0.11     | 0.09     |
| Benzaldehyde             | 0.03     | 0.05     | 0.02     | 0.02     | 0.02     | 0.01     | 0.04     | 0.04     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.02     | 0.03     | 0.01     | 0.01     | 0.007    | 0.007    | 0.03     | 0.02     |
| Tolualdehydes            | 0.02     | 0.04     | 0.02     | 0.02     | 0.01     | 0.01     | 0.03     | 0.03     |
| Hexaldehyde              | 0.02     | 0.03     | 0.01     | 0.01     | 0.01     | 0.00     | 0.03     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24220 R1 | 24221 D2 | 24221 R2 | 24410   | 24509   | 24513 D1 | 24513 R1 | 24514 D2 |
|--------------------------|----------|----------|----------|---------|---------|----------|----------|----------|
| SAMPLE DATE              | 11/27/01 | 11/27/01 | 11/27/01 | 12/3/01 | 12/6/01 | 12/9/01  | 12/9/01  | 12/9/01  |
| ANALYSIS DATE            | 12/12/01 | 12/12/01 | 12/12/01 | 1/2/02  | 1/8/02  | 1/9/02   | 1/9/02   | 1/9/02   |
| FILE NAME                | F1LK042  | F1LK043  | F1LK044  | F2AB009 | F2AG032 | F2AG071  | F2AG072  | F2AG073  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 2.65     | 2.61     | 2.62     | 3.71    | 2.36    | 2.41     | 2.37     | 2.34     |
| Acetaldehyde             | 1.00     | 0.95     | 0.97     | 1.44    | 0.76    | 0.92     | 0.91     | 0.88     |
| Acetone                  | 0.57     | 0.42     | 0.40     | 0.74    | 0.36    | 0.32     | 0.33     | 0.32     |
| Propionaldehyde          | 0.12     | 0.11     | 0.11     | 0.11    | 0.05    | 0.07     | 0.09     | 0.09     |
| Crotonaldehyde           | 0.004    | 0.003    | 0.003    | 0.004   | ND      | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.08     | 0.08     | 0.07     | 0.10    | 0.06    | 0.06     | 0.06     | 0.06     |
| Benzaldehyde             | 0.03     | 0.03     | 0.03     | 0.04    | 0.03    | 0.02     | 0.02     | 0.02     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND      | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.02     | 0.02     | 0.02     | 0.02    | 0.01    | 0.02     | 0.02     | 0.02     |
| Tolualdehydes            | 0.03     | 0.03     | 0.02     | 0.03    | 0.03    | 0.03     | 0.03     | 0.03     |
| Hexaldehyde              | 0.02     | 0.02     | 0.02     | 0.02    | 0.01    | 0.02     | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND      | ND      | ND       | ND       | ND       |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24514 R2 | 24703    | 24754 D1 | 24754 R1 | 24755 D2 | 24755 R2 | 24853    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 12/9/01  | 12/15/01 | 12/21/01 | 12/21/01 | 12/21/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/9/02   | 1/10/02  | 1/18/02  | 1/18/02  | 1/18/02  | 1/18/02  | 1/21/02  |
| FILE NAME                | F2AG074  | Q2AJ010  | F2AQ025  | F2AQ026  | F2AQ027  | F2AQ028  | F2AU013  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.32     | 3.63     | 3.44     | 3.47     | 3.30     | 3.30     | 3.31     |
| Acetaldehyde             | 0.86     | 1.48     | 1.41     | 1.41     | 1.34     | 1.34     | 1.52     |
| Acetone                  | 0.31     | 0.59     | 1.56     | 1.57     | 1.31     | 1.31     | 1.90     |
| Propionaldehyde          | 0.08     | 0.14     | 0.15     | 0.15     | 0.15     | 0.14     | 0.16     |
| Crotonaldehyde           | ND       | 0.13     | 0.01     | 0.005    | 0.004    | 0.004    | 0.01     |
| Butyr/Isobutyraldehyde   | 0.06     | 0.09     | 0.13     | 0.14     | 0.12     | 0.12     | 0.14     |
| Benzaldehyde             | 0.02     | 0.03     | 0.04     | 0.04     | 0.03     | 0.03     | 0.03     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.03     |
| Tolualdehydes            | 0.03     | 0.03     | 0.06     | 0.05     | 0.06     | 0.05     | 0.06     |
| Hexaldehyde              | 0.02     | 0.28     | 0.03     | 0.02     | 0.02     | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit

\* - Compound diluted 25X

\*\* - Compound diluted 5X

# - Sample diluted 10X due to high moisture content in cartridge.

## - Sample values low due to high moisture content in cartridge.

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1BH010  | Q1BM012  | Q1B~015  | F1DI013  | F1DP035  | F1D\$011 | F1EG041  | Q1EO035  | F1EQ018  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 19150 FB | 19199 FB | 19287 FB | 19446 FB | 19546 FB | 19724 FB | 19848 FB | 19897 FB | 20078 FB |
| Date Sampled             | 1/19/01  | 1/25/01  | 2/6/01   | 2/24/01  | 3/8/01   | 3/26/01  | 4/13/01  | 4/19/01  | 5/7/01   |
| Date Analyzed            | 2/8/01   | 2/13/01  | 2/28/01  | 4/10/01  | 4/17/01  | 4/30/01  | 5/8/01   | 5/16/01  | 5/18/01  |
| Formaldehyde             | 0.022    | 0.034    | 0.041    | 0.017    | 0.041    | 0.109    | 0.026    | 0.011    | 0.024    |
| Acetaldehyde             | 0.083    | 0.069    | 0.067    | 0.066    | 0.083    | 0.113    | 0.083    | 0.097    | 0.142    |
| Acetone                  | 0.097    | 0.247    | 0.115    | 0.090    | 0.092    | 0.128    | 0.090    | 0.099    | 0.151    |
| Propionaldehyde          | ND       | ND       | ND       | 0.0005   | ND       | 0.001    | ND       | ND       | ND       |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | 0.012    | 0.002    | ND       | 0.004    | 0.021    | 0.008    | ND       | ND       | ND       |
| Benzaldehyde             | 0.017    | 0.016    | 0.010    | 0.023    | 0.002    | ND       | 0.004    | ND       | 0.010    |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | ND       | ND       | ND       | 0.001    | 0.004    | ND       | ND       | ND       | 0.002    |
| Tolualdehydes            | ND       |
| Hexaldehyde              | 0.025    | 0.031    | ND       | 0.030    | 0.034    | 0.030    | 0.019    | 0.003    | 0.066    |
| 2,5-Dimethylbenzaldehyde | ND       | 0.053    |

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1FN031  | F1F!019  | Q1GW055  | F1HA016  | F1HN012  | Q1IL016  | Q1JQ013  | F1JZ037  | F1KE038  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 20359 FB | 20629 FB | 21277 FB | 21615 FB | 21721 FB | 22115 FB | 22643 FB | 23013 FB | 23351 FB |
| Date Sampled             | 5/25/01  | 6/12/01  | 6/30/01  | 7/18/01  | 7/24/01  | 8/11/01  | 9/4/01   | 9/22/01  | 10/10/01 |
| Date Analyzed            | 6/15/01  | 6/29/01  | 7/24/01  | 8/1/01   | 8/14/01  | 9/12/01  | 10/17/01 | 10/27/01 | 11/6/01  |
| Formaldehyde             | 0.100    | 0.053    | 0.014    | 0.033    | 0.027    | 0.015    | 0.027    | 0.043    | 0.040    |
| Acetaldehyde             | 0.153    | 0.051    | 0.042    | 0.055    | 0.058    | 0.048    | 0.067    | 0.129    | 0.081    |
| Acetone                  | 0.187    | 0.164    | 0.155    | 0.138    | 0.094    | 0.092    | 0.280    | 0.223    | 0.229    |
| Propionaldehyde          | ND       | ND       | ND       | 0.001    | ND       | ND       | ND       | 0.014    | 0.010    |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | 0.056    | 0.098    | ND       | 0.068    | 0.017    | ND       | ND       | 0.126    | 0.215    |
| Benzaldehyde             | 0.007    | 0.009    | ND       | 0.013    | 0.019    | ND       | ND       | 0.014    | 0.016    |
| Isovaleraldehyde         | ND       | 0.009    | ND       | 0.014    | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | ND       | 0.001    | ND       | 0.007    | ND       | ND       | ND       | 0.015    | 0.016    |
| Tolualdehydes            | ND       | 0.076    | ND       | 0.053    | 0.154    | ND       | 0.001    | 0.134    | 0.056    |
| Hexaldehyde              | 0.038    | 0.018    | 0.023    | 0.025    | 0.030    | 0.016    | 0.027    | 0.014    | 0.018    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | 0.090    | ND       | ND       | ND       | ND       |

# Dunedin MS, Florida (DNFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1KE070  | F1K!033  | F1LF013  | F2AG036  | Q2AJ009  |
|--------------------------|----------|----------|----------|----------|----------|
| FB ID                    | 23424 FB | 24014 FB | 24172 FB | 24512 FB | 24702 FB |
| Date Sampled             | 10/16/01 | 11/15/01 | 11/21/01 | 12/9/01  | 12/15/01 |
| Date Analyzed            | 11/7/01  | 11/29/01 | 12/6/01  | 1/8/02   | 1/10/02  |
| Formaldehyde             | 0.126    | 0.041    | 0.038    | 0.051    | 0.002    |
| Acetaldehyde             | 0.096    | 0.108    | 0.076    | 0.086    | 0.075    |
| Acetone                  | 0.235    | 0.212    | 0.192    | 0.210    | 0.215    |
| Propionaldehyde          | 0.008    | 0.004    | 0.005    | ND       | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND       |
| Butyraldehyde            | 0.197    | 0.124    | 0.086    | 0.079    | ND       |
| Benzaldehyde             | 0.010    | 0.008    | 0.016    | 0.009    | ND       |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.005    | 0.013    | 0.005    | 0.010    | ND       |
| Tolualdehydes            | 0.048    | 0.050    | 0.061    | 0.041    | ND       |
| Hexaldehyde              | 0.022    | 0.018    | 0.018    | 0.016    | ND       |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       |

# East Lake, Florida (ELFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19001    | 19053    | 19083   | 19147   | 19194   | 19239   | 19290   | 19328   |
|--------------------------|----------|----------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 1/1/01   | 1/7/01   | 1/13/01 | 1/19/01 | 1/25/01 | 1/31/01 | 2/6/01  | 2/12/01 |
| ANALYSIS DATE            | 1/31/01  | 1/31/01  | 2/6/01  | 2/8/01  | 2/13/01 | 2/14/01 | 2/28/01 | 2/28/01 |
| FILE NAME                | Q1A\$025 | Q1A\$026 | Q1BF008 | Q1BH011 | Q1BM007 | Q1BM027 | Q1B~016 | Q1B!007 |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.38     | 1.98     | 1.27    | 1.57    | 1.52    | 1.28    | 1.52    | 2.10    |
| Acetaldehyde             | 0.98     | 1.52     | 0.65    | 0.48    | 0.71    | 0.50    | 0.73    | 0.91    |
| Acetone                  | 1.29     | 1.68     | 1.20    | 0.30    | 1.85    | 0.33    | 1.62    | 0.45    |
| Propionaldehyde          | 0.12     | 0.26     | 0.08    | 0.02    | 0.07    | 0.05    | 0.09    | 0.09    |
| Crotonaldehyde           | 0.04     | 0.04     | ND      | ND      | ND      | 0.03    | 0.02    | 0.06    |
| Butyr/Isobutyraldehyde   | 0.07     | 0.11     | 0.05    | 0.02    | 0.05    | 0.03    | 0.05    | 0.06    |
| Benzaldehyde             | 0.01     | 0.03     | 0.03    | 0.03    | 0.01    | 0.03    | 0.03    | 0.05    |
| Isovaleraldehyde         | ND       | ND       | ND      | ND      | ND      | 0.005   | 0.002u  | 0.01    |
| Valeraldehyde            | 0.03     | 0.03     | ND      | ND      | ND      | ND      | 0.01    | 0.01    |
| Tolualdehydes            | 0.04     | 0.07     | 0.02    | ND      | 0.01    | ND      | 0.02    | 0.07    |
| Hexaldehyde              | 0.05     | 0.09     | 0.07    | 0.10    | 0.06    | 0.06    | ND      | ND      |
| 2,5-Dimethylbenzaldehyde | 0.005    | 0.004u   | ND      | ND      | ND      | ND      | ND      | ND      |

u - Concentration is below the detection limit.

\* - Due to high moisture content, sample was diluted 10X.

\*\* - Sample values low due to high moisture content in sample.

# East Lake, Florida (ELFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19400   | 19447   | 19481   | 19547   | 19565   | 19616   | 19725    | 19765   |
|--------------------------|---------|---------|---------|---------|---------|---------|----------|---------|
| SAMPLE DATE              | 2/18/01 | 2/24/01 | 3/2/01  | 3/8/01  | 3/14/01 | 3/20/01 | 3/26/01  | 4/1/01  |
| ANALYSIS DATE            | 3/12/01 | 4/10/01 | 4/16/01 | 4/17/01 | 4/19/01 | 4/20/01 | 4/30/01  | 5/7/01  |
| FILE NAME                | Q1CL014 | F1DI014 | F1DP010 | F1DP036 | F1DS007 | F1DS020 | F1D\$012 | F1EG010 |
| UNITS                    | ppbv     | ppbv    |
| Formaldehyde             | 1.90    | 2.27    | 1.19    | 1.89    | 2.08    | 0.89    | 1.24     | 1.40    |
| Acetaldehyde             | 0.69    | 1.27    | 0.45    | 1.03    | 0.93    | 0.32    | 0.51     | 0.50    |
| Acetone                  | 1.00    | 0.82    | 0.29    | 2.13    | 0.51    | 0.65    | 1.28     | 0.96    |
| Propionaldehyde          | 0.02    | 0.06    | 0.02    | 0.11    | 0.06    | ND      | 0.02     | ND      |
| Crotonaldehyde           | 0.03    | ND      | ND      | 0.002u  | ND      | ND      | ND       | ND      |
| Butyr/Isobutyraldehyde   | 0.02    | ND      | 0.03    | 0.10    | 0.13    | 0.04    | ND       | 0.04    |
| Benzaldehyde             | 0.02    | 0.04    | 0.01    | 0.04    | 0.03    | 0.01    | 0.02     | 0.01    |
| Isovaleraldehyde         | ND       | ND      |
| Valeraldehyde            | ND      | 0.02    | 0.01    | 0.03    | 0.01    | 0.002u  | 0.01     | 0.01    |
| Tolualdehydes            | 0.01    | 0.01    | 0.01    | 0.04    | 0.01    | ND      | 0.004    | 0.002u  |
| Hexaldehyde              | ND      | 0.05    | 0.02    | 0.07    | 0.03    | 0.01    | 0.02     | 0.02    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | 0.001u  | 0.003u  | ND      | ND       | ND      |

u - Concentration is below the detection limit.

\* - Due to high moisture content, sample was diluted 10X.

\*\* - Sample values low due to high moisture content in sample.

# East Lake, Florida (ELFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19800   | 19849   | 19898   | 19942   | 20002   | 20081   | 20143   | 20258   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 4/7/01  | 4/13/01 | 4/19/01 | 4/25/01 | 5/1/01  | 5/7/01  | 5/13/01 | 5/19/01 |
| ANALYSIS DATE            | 5/8/01  | 5/8/01  | 5/16/01 | 5/18/01 | 5/18/01 | 5/18/01 | 7/26/01 | 6/14/01 |
| FILE NAME                | F1EG020 | F1EG042 | Q1EO036 | Q1EQ032 | Q1EQ043 | F1EQ015 | F1GZ014 | F1FN014 |
| UNITS                    | ppbv    |
| Formaldehyde             | 1.87    | 2.40    | 1.97    | 2.56    | 3.29    | 3.65    | 3.48    | 1.01    |
| Acetaldehyde             | 0.63    | 0.27    | 0.89    | 0.87    | 1.11    | 1.27    | 1.28    | 0.46    |
| Acetone                  | 0.43    | 0.07    | 1.72    | 0.70    | 0.94    | 1.22    | 0.77    | 0.51    |
| Propionaldehyde          | 0.04    | 0.01    | 0.04    | 0.05    | 0.08    | 0.04    | 0.03    | 0.03    |
| Crotonaldehyde           | ND      | ND      | 0.04    | 0.09    | 0.10    | ND      | ND      | ND      |
| Butyr/Isobutyraldehyde   | 0.05    | 0.02    | 0.04    | 0.07    | 0.03    | 0.07    | 0.01    | 0.02    |
| Benzaldehyde             | 0.04    | 0.02    | 0.02    | 0.04    | 0.05    | 0.08    | 0.05    | 0.01    |
| Isovaleraldehyde         | ND      | 0.02    | 0.0005u | ND      | ND      | ND      | 0.07    | ND      |
| Valeraldehyde            | 0.02    | 0.02    | 0.01    | ND      | ND      | 0.06    | 0.02    | 0.01    |
| Tolualdehydes            | 0.02    | ND      | ND      | 0.05    | 0.12    | ND      | 0.04    | ND      |
| Hexaldehyde              | 0.03    | 0.11    | 0.21    | 0.25    | 0.35    | 0.05    | 0.05    | 0.04    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | ND      | ND      | 0.05    | ND      | 0.06    |

u - Concentration is below the detection limit.

\* - Due to high moisture content, sample was diluted 10X.

\*\* - Sample values low due to high moisture content in sample.

# East Lake, Florida (ELFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20363   | 20442   | 20539     | 20632   | 21126   | 21280   | 21424  | 21558     |
|--------------------------|---------|---------|-----------|---------|---------|---------|--------|-----------|
| SAMPLE DATE              | 5/25/01 | 5/31/01 | 6/6/01    | 6/12/01 | 6/24/01 | 6/30/01 | 7/6/01 | 7/12/01   |
| ANALYSIS DATE            | 6/16/01 | 6/21/01 | 6/28/01   | 6/29/01 | 7/24/01 | VOID    | VOID   | 9/10/01   |
| FILE NAME                | F1FN064 | F1FT025 | **F1F!008 | F1F!022 | Q1GW046 | VOID    | VOID   | **Q1IJ007 |
| UNITS                    | ppbv    | ppbv    | ppbv      | ppbv    | ppbv    | ppbv    | ppbv   | ppbv      |
| Formaldehyde             | 6.13    | 2.61    | 4.24      | 1.47    | 3.83    |         |        | 1.40      |
| Acetaldehyde             | ND      | 0.84    | ND        | ND      | ND      |         |        | ND        |
| Acetone                  | ND      | 0.51    | ND        | ND      | ND      |         |        | ND        |
| Propionaldehyde          | ND      | 0.08    | ND        | ND      | ND      |         |        | ND        |
| Crotonaldehyde           | ND      | ND      | ND        | 0.001u  | ND      |         |        | ND        |
| Butyr/Isobutyraldehyde   | 0.13    | ND      | ND        | ND      | ND      |         |        | ND        |
| Benzaldehyde             | 0.04    | ND      | ND        | 0.01    | 0.01    |         |        | ND        |
| Isovaleraldehyde         | ND      | ND      | ND        | 0.01    | ND      |         |        | ND        |
| Valeraldehyde            | ND      | ND      | ND        | ND      | 0.01    |         |        | ND        |
| Tolualdehydes            | ND      | ND      | ND        | ND      | 0.02    |         |        | 0.05      |
| Hexaldehyde              | ND      | 0.10    | ND        | ND      | 0.05    |         |        | 0.06      |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND        | ND      | ND      |         |        | ND        |

u - Concentration is below the detection limit.

\* - Due to high moisture content, sample was diluted 10X.

\*\* - Sample values low due to high moisture content in sample.

# East Lake, Florida (ELFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21619    | 21720   | 21851   | 22022  | 22114   | 22330     | 22374    | 22647    |
|--------------------------|----------|---------|---------|--------|---------|-----------|----------|----------|
| SAMPLE DATE              | 7/18/01  | 7/24/01 | 7/30/01 | 8/5/01 | 8/11/01 | 8/17/01   | 8/23/01  | 9/4/01   |
| ANALYSIS DATE            | 8/2/01   | 8/14/01 | 8/15/01 | VOID   | VOID    | 9/13/01   | 9/29/01  | 10/17/01 |
| FILE NAME                | *F1HA021 | F1HN011 | F1HN023 | VOID   | VOID    | **Q1IL044 | *F1I~053 | Q1JQ015  |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv   | ppbv    | ppbv      | ppbv     | ppbv     |
| Formaldehyde             | 5.13     | 2.18    | 1.91    |        |         | 0.65      | 1.59     | 1.14     |
| Acetaldehyde             | 0.47     | 0.80    | 0.63    |        |         | 0.07      | ND       | 0.75     |
| Acetone                  | ND       | 0.24    | 0.32    |        |         | 0.20      | ND       | 0.44     |
| Propionaldehyde          | ND       | 0.06    | 0.04    |        |         | ND        | ND       | 0.08     |
| Crotonaldehyde           | 0.02     | ND      | ND      |        |         | ND        | ND       | 0.07     |
| Butyr/Isobutyraldehyde   | 0.61     | 0.10    | 0.07    |        |         | ND        | ND       | 0.06     |
| Benzaldehyde             | 0.06     | 0.04    | 0.02    |        |         | ND        | ND       | 0.05     |
| Isovaleraldehyde         | 0.11     | 0.04    | 0.02    |        |         | ND        | 0.0005u  | ND       |
| Valeraldehyde            | 0.004    | 0.01    | 0.01    |        |         | ND        | ND       | 0.001u   |
| Tolualdehydes            | 0.10     | 0.23    | 0.04    |        |         | ND        | 0.04     | 0.01     |
| Hexaldehyde              | 0.001    | 0.04    | 0.20    |        |         | 0.01      | 0.16     | 0.14     |
| 2,5-Dimethylbenzaldehyde | 0.002u   | ND      | ND      |        |         | ND        | ND       | ND       |

u - Concentration is below the detection limit.

\* - Due to high moisture content, sample was diluted 10X.

\*\* - Sample values low due to high moisture content in sample.

# East Lake, Florida (ELFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22827    | 22858    | 22934    | 23017    | 23173    | 23260   | 23350    | 23428    |
|--------------------------|----------|----------|----------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 9/10/01  | 9/16/01  | 9/19/01  | 9/22/01  | 9/28/01  | 10/4/01 | 10/10/01 | 10/16/01 |
| ANALYSIS DATE            | 10/19/01 | 10/23/01 | 10/23/01 | 10/27/01 | 10/27/01 | 11/1/01 | 11/6/01  | 11/7/01  |
| FILE NAME                | F1JS014  | F1JV013  | F1JV023  | F1JZ039  | F1JZ059  | F1KA012 | F1KE037  | F1KE072  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 3.41     | 3.48     | 2.89     | 2.68     | 2.82     | 3.55    | 3.07     | 2.96     |
| Acetaldehyde             | 1.39     | 1.47     | 1.25     | 0.97     | 1.20     | 1.28    | 1.16     | 1.11     |
| Acetone                  | 0.36     | 0.78     | 0.62     | 0.60     | 0.65     | 0.73    | 0.41     | 0.70     |
| Propionaldehyde          | 0.15     | 0.13     | 0.14     | 0.13     | 0.11     | 0.17    | 0.12     | 0.10     |
| Crotonaldehyde           | ND       | 0.005    | 0.003    | 0.003    | 0.004    | 0.01    | 0.003    | 0.005    |
| Butyr/Isobutyraldehyde   | 0.13     | 0.15     | 0.14     | 0.16     | 0.16     | 0.16    | 0.18     | 0.19     |
| Benzaldehyde             | 0.10     | 0.05     | 0.05     | 0.03     | 0.04     | 0.04    | 0.04     | 0.04     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | ND      | ND       | ND       |
| Valeraldehyde            | 0.04     | 0.04     | 0.03     | 0.03     | 0.02     | 0.04    | 0.03     | 0.02     |
| Tolualdehydes            | 0.06     | 0.04     | 0.07     | 0.05     | 0.04     | 0.04    | 0.05     | 0.04     |
| Hexaldehyde              | 0.04     | 0.03     | 0.03     | 0.03     | 0.02     | 0.03    | 0.03     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | 0.003u  | ND       | ND       |

u - Concentration is below the detection limit.

\* - Due to high moisture content, sample was diluted 10X.

\*\* - Sample values low due to high moisture content in sample.

# East Lake, Florida (ELFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23553    | 23711    | 23745    | 23842    | 23990    | 24018    | 24174    | 24222    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/22/01 | 10/28/01 | 10/31/01 | 11/3/01  | 11/9/01  | 11/15/01 | 11/21/01 | 11/27/01 |
| ANALYSIS DATE            | 11/9/01  | 11/13/01 | 11/13/01 | 11/20/01 | 11/26/01 | 11/29/01 | 12/6/01  | 12/11/01 |
| FILE NAME                | F1KH051  | F1KL032  | F1KL033  | F1KT009  | F1KZ016  | F1K!035  | F1LF015  | F1LK006  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.16     | 2.47     | 2.48     | 2.44     | 2.10     | 1.78     | 2.18     | 2.14     |
| Acetaldehyde             | 0.80     | 1.24     | 0.93     | 0.73     | 0.91     | 0.76     | 0.92     | 0.98     |
| Acetone                  | 0.50     | 0.97     | 0.52     | 0.38     | 1.04     | 0.57     | 1.00     | 0.82     |
| Propionaldehyde          | 0.06     | 0.06     | 0.08     | 0.07     | 0.08     | 0.04     | 0.08     | 0.11     |
| Crotonaldehyde           | ND       | 0.003    | 0.003    | 0.003    | ND       | ND       | ND       | 0.01     |
| Butyr/Isobutyraldehyde   | 0.16     | 0.12     | 0.13     | 0.11     | 0.10     | 0.09     | 0.09     | 0.10     |
| Benzaldehyde             | 0.04     | 0.02     | 0.04     | 0.04     | 0.02     | 0.02     | 0.02     | 0.03     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.02     | 0.01     | 0.02     | 0.03     | 0.02     | 0.01     | 0.02     | 0.03     |
| Tolualdehydes            | 0.03     | 0.03     | 0.04     | 0.04     | 0.03     | 0.02     | 0.03     | 0.04     |
| Hexaldehyde              | 0.02     | 0.01     | 0.02     | 0.02     | 0.02     | 0.01     | 0.02     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit.

\* - Due to high moisture content, sample was diluted 10X.

\*\* - Sample values low due to high moisture content in sample.

# East Lake, Florida (ELFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24411   | 24510   | 24516   | 24701    | 24756    | 24852    |
|--------------------------|---------|---------|---------|----------|----------|----------|
| SAMPLE DATE              | 12/3/01 | 12/6/01 | 12/9/01 | 12/15/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/2/02  | 1/8/02  | 1/8/02  | 1/10/02  | 1/17/02  | 1/21/02  |
| FILE NAME                | F2AB010 | F2AG033 | F2AG038 | Q2AJ008  | F2AQ012  | F2AU012  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 2.58    | 1.93    | 1.52    | 2.57     | 2.92     | 2.45     |
| Acetaldehyde             | 0.92    | 0.63    | 0.49    | 0.92     | 1.33     | 1.28     |
| Acetone                  | 0.67    | 0.37    | 0.28    | 0.46     | 1.62     | 1.84     |
| Propionaldehyde          | 0.08    | 0.06    | 0.05    | 0.16     | 0.16     | 0.17     |
| Crotonaldehyde           | 0.003   | ND      | 0.002u  | 0.11     | 0.005    | 0.01     |
| Butyr/Isobutyraldehyde   | 0.08    | 0.07    | 0.06    | 0.06     | 0.13     | 0.15     |
| Benzaldehyde             | 0.02    | 0.03    | 0.02    | 0.03     | 0.04     | 0.04     |
| Isovaleraldehyde         | ND      | ND      | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.02    | 0.02    | 0.01    | 0.003    | 0.02     | 0.04     |
| Tolualdehydes            | 0.03    | 0.04    | 0.03    | 0.04     | 0.04     | 0.06     |
| Hexaldehyde              | 0.01    | 0.02    | 0.01    | 0.19     | 0.02     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Due to high moisture content, sample was diluted 10X.

\*\* - Sample values low due to high moisture content in sample.

# East Lake, Florida (ELFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1BH012  | Q1BM008  | Q1B~017  | F1DI015  | F1DP037  | F1D\$013 | F1EG043  | Q1EO037  | F1EQ016  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 19148 FB | 19195 FB | 19291 FB | 19448 FB | 19548 FB | 19726 FB | 19850 FB | 19899 FB | 20080 FB |
| Date Sampled             | 1/19/01  | 1/25/01  | 2/6/01   | 2/24/01  | 3/8/01   | 3/26/01  | 4/13/01  | 4/19/01  | 5/7/01   |
| Date Analyzed            | 2/9/01   | 2/13/01  | 2/28/01  | 4/10/01  | 4/17/01  | 4/30/01  | 5/8/01   | 5/16/01  | 5/18/01  |
| Formaldehyde             | 0.031    | 0.015    | 0.036    | 0.097    | 0.015    | 0.102    | 0.023    | 0.022    | 0.046    |
| Acetaldehyde             | 0.072    | 0.075    | 0.077    | 0.096    | 0.082    | 0.080    | 0.097    | 0.079    | 0.129    |
| Acetone                  | 0.104    | 0.263    | 0.150    | 0.125    | 0.078    | 0.104    | 0.101    | 0.093    | 0.138    |
| Propionaldehyde          | ND       | ND       | 0.003    | 0.001    | ND       | 0.001    | ND       | ND       | ND       |
| Crotonaldehyde           | ND       | ND       | 0.001    | ND       | ND       | ND       | ND       | ND       | ND       |
| Butyraldehyde            | ND       | ND       | 0.0005   | 0.009    | 0.018    | 0.009    | ND       | ND       | 0.138    |
| Benzaldehyde             | 0.010    | 0.004    | 0.018    | 0.010    | 0.003    | 0.001    | 0.005    | ND       | 0.022    |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | ND       | ND       | ND       | 0.001    | ND       | ND       | 0.003    | ND       | 0.004    |
| Tolualdehydes            | ND       |
| Hexaldehyde              | 0.058    | 0.022    | ND       | 0.020    | 0.040    | 0.050    | 0.023    | 0.026    | 0.096    |
| 2,5-Dimethylbenzaldehyde | ND       |

# East Lake, Florida (ELFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1FN032  | F1FI021  | Q1GW057  | F1HA018  | F1HN010  | Q1IL017  | Q1JQ014  | F1JZ038  | F1KE036  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 20362 FB | 20631 FB | 21279 FB | 21618 FB | 21719 FB | 22113 FB | 22646 FB | 23016 FB | 23349 FB |
| Date Sampled             | 5/25/01  | 6/12/01  | 6/30/01  | 7/18/01  | 7/24/01  | 8/11/01  | 9/4/01   | 9/22/01  | 10/10/01 |
| Date Analyzed            | 6/15/01  | 6/29/01  | 7/24/01  | 8/1/01   | 8/14/01  | 9/12/01  | 10/17/01 | 10/27/01 | 11/6/01  |
| Formaldehyde             | 0.056    | 0.078    | 0.009    | 0.030    | 0.030    | 0.017    | 0.010    | 0.051    | 0.058    |
| Acetaldehyde             | 0.153    | 0.071    | 0.052    | 0.054    | 0.041    | 0.019    | 0.066    | 0.110    | 0.108    |
| Acetone                  | 0.210    | 0.225    | 0.057    | 0.128    | 0.109    | 0.082    | 0.248    | 0.234    | 0.281    |
| Propionaldehyde          | ND       | 0.004    | 0.010    |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | 0.052    | 0.117    | ND       | 0.032    | 0.013    | ND       | ND       | 0.111    | 0.195    |
| Benzaldehyde             | 0.012    | 0.014    | ND       | 0.016    | 0.011    | ND       | ND       | 0.012    | 0.016    |
| Isovaleraldehyde         | ND       | 0.009    | ND       | 0.018    | 0.012    | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.007    | 0.002    | ND       | 0.009    | 0.010    | ND       | ND       | 0.014    | 0.012    |
| Tolualdehydes            | ND       | 0.084    | ND       | 0.058    | 0.061    | ND       | ND       | 0.047    | 0.048    |
| Hexaldehyde              | 0.034    | 0.032    | 0.012    | 0.022    | 0.013    | 0.026    | 0.042    | 0.016    | 0.023    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | 0.006    | ND       | ND       | ND       | ND       | ND       |

# East Lake, Florida (ELFL) 2001 UATMP Carbonyl Final Field Blank Data Report

(*µg/cartridge*)

| Data File ID             | F1KE071  | F2AG037  | Q2AJ007  |
|--------------------------|----------|----------|----------|
| FB ID                    | 23427 FB | 24515 FB | 24700 FB |
| Date Sampled             | 10/16/01 | 12/9/01  | 12/15/01 |
| Date Analyzed            | 11/7/01  | 1/8/02   | 1/10/02  |
|                          |          |          |          |
| Formaldehyde             | 0.053    | 0.041    | -0.002   |
| Acetaldehyde             | 0.056    | 0.110    | 0.082    |
| Acetone                  | 0.247    | 0.199    | 0.222    |
| Propionaldehyde          | ND       | 0.003    | ND       |
| Crotonaldehyde           | ND       | ND       | ND       |
| Butyraldehyde            | 0.272    | 0.083    | ND       |
| Benzaldehyde             | 0.018    | 0.011    | 0.020    |
| Isovaleraldehyde         | ND       | ND       | ND       |
| Valeraldehyde            | 0.011    | 0.012    | ND       |
| Tolualdehydes            | 0.050    | 0.040    | 0.028    |
| Hexaldehyde              | 0.027    | 0.020    | 0.030    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       |

# Elizabeth, New Jersey (ELNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19046    | 19135   | 19214   | 19309 D1 | 19309 R1 | 19311 D2 | 19311 R2 | 19436   | 19527   |
|--------------------------|----------|---------|---------|----------|----------|----------|----------|---------|---------|
| SAMPLE DATE              | 1/7/01   | 1/19/01 | 1/31/01 | 2/12/01  | 2/12/01  | 2/12/01  | 2/12/01  | 2/24/01 | 3/8/01  |
| ANALYSIS DATE            | 1/31/01  | 2/7/01  | 2/14/01 | 3/1/01   | 3/1/01   | 3/1/01   | 3/1/01   | 4/11/01 | 4/12/01 |
| FILE NAME                | Q1A\$017 | Q1BF029 | Q1BM016 | Q1B!031  | Q1B!032  | Q1B!033  | Q1B!034  | F1DI023 | F1DI043 |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 2.32     | 1.87    | 2.19    | 1.52     | 1.47     | 1.47     | 1.48     | 1.58    | 1.83    |
| Acetaldehyde             | 1.85     | 1.11    | 1.33    | 0.79     | 0.77     | 0.77     | 0.77     | 1.00    | 0.99    |
| Acetone                  | 2.03     | 1.61    | 2.40    | 0.80     | 0.78     | 0.78     | 0.78     | 1.23    | 1.35    |
| Propionaldehyde          | 0.20     | 0.11    | 0.14    | 0.10     | 0.10     | 0.11     | 0.10     | 0.11    | 0.09    |
| Crotonaldehyde           | ND       | 0.06    | 0.06    | 0.04     | 0.04     | 0.04     | 0.04     | 0.01    | 0.01    |
| Butyr/Isobutyraldehyde   | 0.09     | 0.06    | 0.08    | 0.06     | 0.07     | 0.05     | 0.05     | 0.11    | 0.13    |
| Benzaldehyde             | 0.05     | 0.05    | 0.04    | 0.03     | 0.03     | 0.03     | 0.03     | 0.03    | 0.03    |
| Isovaleraldehyde         | ND       | 0.01    | ND      | ND       | ND       | ND       | ND       | ND      | ND      |
| Valeraldehyde            | 0.04     | 0.01    | 0.02    | 0.01     | 0.01     | 0.01     | 0.01     | 0.02    | 0.02    |
| Tolualdehydes            | 0.06     | 0.05    | 0.06    | 0.02     | 0.04     | 0.03     | 0.03     | 0.02    | 0.02    |
| Hexaldehyde              | ND       | 0.12    | 0.12    | ND       | ND       | ND       | ND       | 0.02    | 0.03    |
| 2,5-Dimethylbenzaldehyde | 0.004    | ND      | ND      | 0.01     | 0.02     | 0.01     | 0.01     | 0.002u  | 0.005   |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Elizabeth, New Jersey (ELNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19618 D1 | 19618 R1 | 19620 D2 | 19620 R2 | 19757    | 19821   | 19946   | 20103   | 20267 D1 |
|--------------------------|----------|----------|----------|----------|----------|---------|---------|---------|----------|
| SAMPLE DATE              | 3/20/01  | 3/20/01  | 3/20/01  | 3/20/01  | 4/1/01   | 4/13/01 | 4/25/01 | 5/7/01  | 5/19/01  |
| ANALYSIS DATE            | 4/21/01  | 4/21/01  | 4/21/01  | 4/21/01  | 5/1/01   | 5/15/01 | 5/18/01 | 5/30/01 | 6/7/01   |
| FILE NAME                | F1DS052  | F1DS053  | F1DS054  | F1DS055  | F1D\$045 | Q1EO014 | Q1EQ027 | Q1E#022 | Q1FG015  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv     |
| Formaldehyde             | 1.85     | 1.79     | 1.68     | 1.68     | 1.56     | 2.01    | 1.83    | 1.51    | 5.47     |
| Acetaldehyde             | 1.06     | 0.95     | 0.97     | 0.96     | 0.64     | 1.06    | 0.83    | 0.68    | 2.84     |
| Acetone                  | 1.59     | 1.53     | 1.51     | 1.50     | 0.87     | 1.25    | 2.24    | 0.65    | 1.75     |
| Propionaldehyde          | 0.07     | 0.07     | 0.06     | 0.06     | 0.05     | 0.03    | 0.11    | 0.08    | 0.30     |
| Crotonaldehyde           | 0.01     | 0.01     | 0.01     | 0.004    | 0.005    | 0.04    | 0.04    | 0.02    | 0.11     |
| Butyr/Isobutyraldehyde   | 0.09     | 0.09     | 0.09     | 0.09     | 0.05     | 0.03    | 0.06    | 0.03    | 0.16     |
| Benzaldehyde             | 0.04     | 0.03     | 0.03     | 0.03     | 0.02     | 0.04    | 0.04    | 0.02    | 0.14     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | ND      | ND      | ND      | ND       |
| Valeraldehyde            | 0.04     | 0.04     | 0.04     | 0.04     | 0.01     | ND      | 0.03    | 0.01    | 0.11     |
| Tolualdehydes            | 0.03     | 0.03     | 0.03     | 0.03     | 0.02     | 0.03    | 0.07    | 0.02    | 0.10     |
| Hexaldehyde              | 0.03     | 0.04     | 0.04     | 0.03     | 0.03     | 0.18    | 0.15    | 0.13    | 0.65     |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.02     | 0.01     | 0.01     | 0.01     | ND      | ND      | ND      | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Elizabeth, New Jersey (ELNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20267 R1 | 20269 D2 | 20269 R2 | 20388   | 20451   | 20551   | 20663    | 20966 D1 | 20966 R1 |
|--------------------------|----------|----------|----------|---------|---------|---------|----------|----------|----------|
| SAMPLE DATE              | 5/19/01  | 5/19/01  | 5/19/01  | 5/25/01 | 5/31/01 | 6/6/01  | 6/12/01  | 6/18/01  | 6/18/01  |
| ANALYSIS DATE            | 6/7/01   | 6/7/01   | 6/8/01   | 6/11/01 | 6/18/01 | 6/21/01 | 6/29/01  | 6/29/01  | 6/29/01  |
| FILE NAME                | Q1FG016  | Q1FG017  | Q1FG018  | Q1FK015 | Q1FR010 | Q1FU011 | Q1F!023A | Q1F!030E | Q1F!030F |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 5.38     | 5.17     | 5.15     | 2.18    | 2.33    | 3.48    | 5.75     | 4.45     | 4.25     |
| Acetaldehyde             | 2.73     | 2.57     | 2.63     | 1.13    | 0.92    | 1.17    | 2.18     | 1.73     | 1.81     |
| Acetone                  | 1.76     | 2.05     | 2.12     | 0.65    | 2.39    | 1.10    | 0.95     | 1.44     | 1.37     |
| Propionaldehyde          | 0.33     | 0.29     | 0.33     | 0.07    | 0.10    | 0.07    | 0.10     | 0.19     | 0.18     |
| Crotonaldehyde           | 0.19     | 0.08     | 0.09     | ND      | ND      | ND      | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.19     | 0.09     | 0.15     | 0.07    | 0.08    | 0.03    | 0.13     | 0.09     | 0.08     |
| Benzaldehyde             | 0.14     | 0.13     | 0.13     | 0.07    | 0.04    | 0.05    | 0.09     | 0.06     | 0.05     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND      | ND      | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.05     | 0.05     | 0.005   | ND      | ND      | ND       | ND       | ND       |
| Tolualdehydes            | 0.11     | 0.09     | 0.11     | 0.06    | 0.06    | 0.10    | 0.09     | 0.09     | 0.06     |
| Hexaldehyde              | 0.70     | 0.56     | 0.62     | 0.19    | 0.23    | 0.42    | 0.76     | 0.79     | 0.72     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND      | ND      | ND      | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Elizabeth, New Jersey (ELNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20968 D2 | 20968 R2 | 21067   | 21229   | 21410   | 21469   | 21622   | 21686   | 21899   |
|--------------------------|----------|----------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 6/18/01  | 6/18/01  | 6/24/01 | 6/30/01 | 7/6/01  | 7/12/01 | 7/18/01 | 7/24/01 | 7/30/01 |
| ANALYSIS DATE            | 6/29/01  | 6/29/01  | 7/12/01 | 7/20/01 | 7/26/01 | VOID    | 8/11/01 | 8/12/01 | 8/21/01 |
| FILE NAME                | Q1F!030G | Q1F!030H | Q1GK017 | Q1GT005 | Q1GZ021 | VOID    | F1HK009 | F1HK021 | F1HU010 |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 4.25     | 5.62     | 3.67    | 0.44    | 1.97    |         | 3.71    | 0.34    | 2.59    |
| Acetaldehyde             | 1.68     | 2.16     | 1.24    | ND      | 0.60    |         | 1.14    | 0.15    | 0.87    |
| Acetone                  | 1.48     | 1.78     | 1.12    | ND      | 0.90    |         | 0.72    | 0.31    | 0.19    |
| Propionaldehyde          | 0.19     | 0.25     | 0.10    | ND      | 0.07    |         | 0.12    | 0.01    | 0.02    |
| Crotonaldehyde           | ND       | ND       | ND      | ND      | ND      |         | ND      | ND      | 0.03    |
| Butyr/Isobutyraldehyde   | 0.10     | 0.19     | 0.05    | 0.05    | 0.05    |         | 0.06    | 0.03    | 0.04    |
| Benzaldehyde             | 0.04     | 0.06     | 0.09    | 0.01    | 0.02    |         | 0.06    | 0.01    | 0.04    |
| Isovaleraldehyde         | 0.33     | ND       | ND      | ND      | ND      |         | 0.11    | 0.02    | 0.10    |
| Valeraldehyde            | ND       | ND       | ND      | 0.01    | 0.002   |         | 0.01    | 0.003   | 0.04    |
| Tolualdehydes            | 0.06     | 0.06     | 0.06    | 0.01    | 0.04    |         | 0.06    | 0.01    | 0.05    |
| Hexaldehyde              | 0.75     | 0.92     | 0.49    | 0.05    | 0.24    |         | 0.02    | 0.01    | 0.03    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND      | ND      | ND      |         | ND      | ND      | 0.05    |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Elizabeth, New Jersey (ELNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21994   | 22088   | 22291 D1 | 22291 R1 | 22293 D2 | 22293 R2 | 22436   | 22530   | 22652   |
|--------------------------|---------|---------|----------|----------|----------|----------|---------|---------|---------|
| SAMPLE DATE              | 8/5/01  | 8/11/01 | 8/17/01  | 8/17/01  | 8/17/01  | 8/17/01  | 8/23/01 | 8/29/01 | 9/4/01  |
| ANALYSIS DATE            | 8/22/01 | VOID    | 9/20/01  | 9/20/01  | 9/20/01  | 9/20/01  | 9/29/01 | 9/28/01 | 9/27/01 |
| FILE NAME                | Q1HV007 | VOID    | F1IT014  | F1IT015  | F1IT016  | F1IT017  | F1I~062 | F1I~037 | Q1IZ029 |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.11    |         | 0.59     | 0.59     | 1.66     | 1.63     | 2.19    | 2.80    | 3.85    |
| Acetaldehyde             | 0.75    |         | 0.31     | 0.30     | 0.71     | 0.67     | 0.19    | 1.11    | 1.47    |
| Acetone                  | 1.17    |         | 0.44     | 0.45     | 0.68     | 0.66     | 0.58    | 0.67    | 0.84    |
| Propionaldehyde          | 0.06    |         | 0.02     | 0.02     | 0.05     | 0.04     | ND      | 0.07    | 0.08    |
| Crotonaldehyde           | 0.09    |         | ND       | ND       | ND       | ND       | 0.02    | 0.01    | 0.11    |
| Butyr/Isobutyraldehyde   | 0.04    |         | 0.15     | 0.15     | 0.05     | 0.05     | 0.05    | 0.10    | 0.05    |
| Benzaldehyde             | 0.02    |         | 0.02     | 0.01     | 0.04     | 0.04     | 0.06    | 0.05    | 0.05    |
| Isovaleraldehyde         | ND      |         | ND       | ND       | ND       | ND       | ND      | 0.15    | ND      |
| Valeraldehyde            | 0.01    |         | 0.005    | 0.01     | 0.01     | 0.01     | 0.02    | 0.03    | ND      |
| Tolualdehydes            | 0.04    |         | 0.01     | 0.01     | 0.11     | 0.12     | 0.08    | 0.04    | 0.09    |
| Hexaldehyde              | 0.19    |         | 0.01     | 0.01     | 0.02     | 0.02     | 0.01    | 0.04    | 0.47    |
| 2,5-Dimethylbenzaldehyde | 0.004   |         | ND       | ND       | ND       | ND       | ND      | 0.09    | ND      |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Elizabeth, New Jersey (ELNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22812    | 22885 D1 | 22885 R1 | 22887 D2 | 22887 R2 | 23044    | 23167    | 23340    | 23362    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/10/01  | 9/16/01  | 9/16/01  | 9/16/01  | 9/16/01  | 9/22/01  | 9/28/01  | 10/04/01 | 10/10/01 |
| ANALYSIS DATE            | 10/19/01 | 10/19/01 | 10/20/01 | 10/20/01 | 10/20/01 | 10/25/01 | 10/27/01 | 11/05/01 | 11/02/01 |
| FILE NAME                | *F1JS021 | Q1JS022  | Q1JS023  | Q1JS024  | Q1JS025  | Q1JX034  | F1JZ055  | F1KE018  | F1KB009  |
| UNITS                    | ppbv     |
| Formaldehyde             | 4.32     | 3.50     | 3.64     | 3.27     | 3.34     | 3.76     | 1.49     | 4.24     | 2.19     |
| Acetaldehyde             | 0.14     | 1.68     | 1.72     | 1.59     | 1.55     | 1.55     | 0.73     | 2.10     | 1.42     |
| Acetone                  | 0.12     | 1.17     | 1.18     | 1.22     | 1.21     | 0.94     | 0.90     | 1.11     | 1.21     |
| Propionaldehyde          | 0.01     | 0.22     | 0.23     | 0.22     | 0.21     | 0.08     | 0.07     | 0.17     | 0.11     |
| Crotonaldehyde           | 0.03     | 0.09     | 0.09     | 0.08     | 0.12     | 0.07     | 0.01     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.15     | 0.13     | 0.13     | 0.13     | 0.15     | 0.09     | 0.12     | 0.15     | 0.12     |
| Benzaldehyde             | 0.11     | 0.10     | 0.07     | 0.07     | 0.06     | 0.06     | 0.03     | 0.06     | 0.05     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.01     | 0.03     | 0.01     | 0.02     | 0.03     | 0.01     | 0.02     | 0.05     | 0.03     |
| Tolualdehydes            | 0.13     | 0.05     | 0.05     | 0.07     | 0.07     | 0.12     | 0.04     | 0.05     | 0.03     |
| Hexaldehyde              | 0.01     | 0.34     | 0.37     | 0.34     | 0.34     | 0.47     | 0.02     | 0.03     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | 0.07     | 0.04     | 0.05     | 0.04     | ND       | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Elizabeth, New Jersey (ELNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23407    | 23621    | 23700    | 23867    | 23915    | 23996    | 24129    | 24289    | 24386    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/16/01 | 10/22/01 | 10/28/01 | 11/03/01 | 11/09/01 | 11/15/01 | 11/21/01 | 11/27/01 | 12/03/01 |
| ANALYSIS DATE            | 11/03/01 | 11/09/01 | 11/13/01 | 11/20/01 | 11/27/01 | 11/28/01 | 12/07/01 | 12/12/01 | 01/02/02 |
| FILE NAME                | F1KB013  | F1KH033  | F1KL016  | F1KT016  | F1KZ029  | F1K!012  | F1LG013  | F1LK039  | F2AB008  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.14     | 2.81     | 0.79     | 2.01     | 1.31     | 2.73     | 2.00     | 1.80     | 2.66     |
| Acetaldehyde             | 1.05     | 2.02     | 0.38     | 1.29     | 0.64     | 1.80     | 0.92     | 0.99     | 1.57     |
| Acetone                  | 0.43     | 0.78     | 0.75     | 1.15     | 1.39     | 2.08     | 1.48     | 1.25     | 2.41     |
| Propionaldehyde          | 0.04     | 0.22     | 0.04     | 0.10     | 0.06     | 0.11     | 0.06     | 0.07     | 0.13     |
| Crotonaldehyde           | 0.02     | 0.02     | 0.01     | 0.01     | 0.01     | 0.03     | 0.01     | 0.01     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.05     | 0.11     | 0.07     | 0.10     | 0.08     | 0.16     | 0.10     | 0.09     | 0.16     |
| Benzaldehyde             | 0.05     | 0.05     | 0.02     | 0.03     | 0.03     | 0.05     | 0.03     | 0.04     | 0.05     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.03     | 0.05     | 0.01     | 0.03     | 0.02     | 0.04     | 0.03     | 0.03     | 0.04     |
| Tolualdehydes            | 0.03     | 0.03     | 0.01     | 0.03     | 0.02     | 0.03     | 0.03     | 0.04     | 0.03     |
| Hexaldehyde              | 0.01     | 0.02     | 0.01     | 0.03     | 0.02     | 0.01     | 0.01     | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Elizabeth, New Jersey (ELNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24502    | 24643    | 24787    | 24926    |
|--------------------------|----------|----------|----------|----------|
| SAMPLE DATE              | 12/09/01 | 12/15/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 01/08/02 | 01/10/02 | 01/18/02 | 01/22/02 |
| FILE NAME                | F2AG023  | Q2AJ016  | F2AR005  | F2AU026  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.05     | 0.77     | 0.75     | 1.32     |
| Acetaldehyde             | 0.46     | 0.36     | 0.37     | 0.74     |
| Acetone                  | 0.81     | 0.84     | 0.81     | 1.10     |
| Propionaldehyde          | 0.04     | 0.03     | 0.03     | 0.06     |
| Crotonaldehyde           | 0.01     | 0.01     | 0.004    | 0.01     |
| Butyr/Isobutyraldehyde   | 0.05     | 0.02     | 0.05     | 0.08     |
| Benzaldehyde             | 0.02     | 0.02     | 0.02     | 0.02     |
| Isovaleraldehyde         | ND       | ND       | 0.04     | ND       |
| Valeraldehyde            | 0.01     | ND       | 0.01     | 0.02     |
| Tolualdehydes            | 0.01     | ND       | 0.02     | 0.02     |
| Hexaldehyde              | 0.02     | 0.07     | 0.02     | 0.01     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.003    | ND       |

u - Concentration is below the detection limit.

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Elizabeth, New Jersey (ELNJ) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1BF028  | F1DI044  | Q1EO015  | Q1E#023  | Q1FK016  | Q1FU031  | Q1GT004  | F1HK008  | F1HK019  | Q1H~014  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 19136 FB | 19528 FB | 19822 FB | 20102 FB | 20387 FB | 20662 FB | 21228 FB | 21621 FB | 21685 FB | 22087 FB |
| Sample Date              | 1/19/01  | 3/8/01   | 4/13/01  | 5/7/01   | 5/25/01  | 6/18/01  | 6/30/01  | 7/18/01  | 7/24/01  | 8/11/01  |
| Date Analyzed            | 2/7/01   | 4/12/01  | 5/15/01  | 5/30/01  | 6/12/01  | 6/22/01  | 7/20/01  | 8/11/01  | 8/12/01  | 8/27/01  |
| Formaldehyde             | 0.04     | 0.02     | 0.009    | 0.01     | 0.14     | 0.13     | 0.04     | 0.04     | 0.04     | 0.03     |
| Acetaldehyde             | 0.07     | 0.09     | 0.11     | 0.14     | 0.11     | 0.04     | 0.07     | 0.07     | 0.08     | 0.14     |
| Acetone                  | 0.09     | 0.10     | 0.18     | 0.10     | 0.21     | 0.18     | ND       | 0.14     | 0.13     | 0.15     |
| Propionaldehyde          | ND       | 0.000    | ND       | ND       | ND       | ND       | ND       | 0.001    | 0.002    | ND       |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | ND       | 0.008    | ND       | ND       | ND       | ND       | ND       | 0.03     | 0.05     | ND       |
| Benzaldehyde             | 0.01     | ND       | ND       | 0.001    | ND       | 0.021    | ND       | 0.008    | 0.02     | 0.39     |
| Isovaleraldehyde         | ND       | 0.01     | ND       |
| Valeraldehyde            | ND       | ND       | ND       | ND       | ND       | ND       | 0.06     | ND       | 0.01     | ND       |
| Tolualdehydes            | ND       | ND       | ND       | ND       | ND       | 0.05     | ND       | 0.24     | 0.14     | ND       |
| Hexaldehyde              | 0.03     | 0.05     | ND       | ND       | 0.05     | 0.04     | 0.04     | 0.04     | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       |

# Elizabeth, New Jersey (ELNJ) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1IZ028  | Q1JX033  | F1KE017  | F1KH032  | F1KZ028  | F1LK038  | F2AG022  | Q2AJ015  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 22651 FB | 23043 FB | 23339 FB | 23620 FB | 23914 FB | 24288 FB | 24501 FB | 24642 FB |
| Sample Date              | 9/4/01   | 9/22/01  | 37168.00 | 10/22/01 | 11/9/01  | 11/27/01 | 12/9/01  | 12/15/01 |
| Date Analyzed            | 9/27/01  | 10/25/01 | 11/5/01  | 11/9/01  | 11/27/01 | 12/12/01 | 1/8/02   | 1/10/02  |
| Formaldehyde             | 0.01     | 0.08     | 0.07     | 0.04     | 0.04     | 0.05     | 0.09     | 0.02     |
| Acetaldehyde             | 0.13     | 0.08     | 0.05     | 0.13     | 0.06     | 0.03     | 0.06     | 0.03     |
| Acetone                  | 0.28     | 0.28     | 0.23     | 0.23     | 0.20     | 0.23     | 0.20     | 0.27     |
| Propionaldehyde          | ND       | ND       | 0.004    | 0.01     | ND       | ND       | ND       | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | 0.007    | ND       | ND       | ND       |
| Butyraldehyde            | ND       | ND       | 0.17     | 0.21     | 0.07     | 0.08     | 0.06     | ND       |
| Benzaldehyde             | ND       | ND       | ND       | 0.02     | 0.02     | 0.01     | 0.01     | ND       |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | ND       | ND       | ND       | 0.01     | 0.010    | ND       | 0.003    | ND       |
| Tolualdehydes            | 0.07     | ND       | 0.07     | 0.04     | 0.04     | 0.02     | 0.01     | ND       |
| Hexaldehyde              | 0.04     | 0.03     | 0.02     | 0.02     | 0.02     | 0.01     | 0.01     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND       |

# El Paso, Texas (EPTX) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19059  | 19154 D1 | 19154 R1 | 19155 D2 | 19155 R2 | 19266   | 19334 D1 | 19334 R1 |
|--------------------------|--------|----------|----------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 1/7/01 | 1/19/01  | 1/19/01  | 1/19/01  | 1/19/01  | 1/31/01 | 2/12/01  | 2/12/01  |
| ANALYSIS DATE            | VOID   | 2/9/01   | 2/9/01   | 2/9/01   | 2/9/01   | 2/14/01 | 3/1/01   | 3/1/01   |
| FILE NAME                | VOID   | Q1BH044  | Q1BH045  | Q1BH046  | Q1BH047  | Q1BM023 | Q1B!039  | Q1B!040  |
| UNITS                    | ppbv   | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     |
| Formaldehyde             |        | 2.28     | 2.26     | 1.63     | 1.66     | 0.35    | 1.51     | 1.49     |
| Acetaldehyde             |        | 1.16     | 1.18     | 0.86     | 0.89     | 0.27    | 0.76     | 0.73     |
| Acetone                  |        | 2.05     | 2.04     | 1.46     | 1.49     | 0.72    | 1.60     | 1.59     |
| Propionaldehyde          |        | 0.18     | 0.17     | 0.13     | 0.14     | 0.05    | 0.11     | 0.12     |
| Crotonaldehyde           |        | 0.09     | 0.08     | 0.07     | 0.07     | 0.04    | 0.04     | 0.03     |
| Butyr/Isobutyraldehyde   |        | 0.11     | 0.11     | 0.08     | 0.08     | 0.05    | 0.08     | 0.08     |
| Benzaldehyde             |        | 0.09     | 0.09     | 0.07     | 0.07     | 0.01    | 0.06     | 0.06     |
| Isovaleraldehyde         |        | ND       | ND       | ND       | ND       | ND      | ND       | ND       |
| Valeraldehyde            |        | 0.03     | 0.03     | 0.02     | 0.03     | 0.01    | 0.03     | 0.03     |
| Tolualdehydes            |        | 0.10     | 0.11     | 0.08     | 0.07     | 0.01    | 0.07     | 0.07     |
| Hexaldehyde              |        | ND       | ND       | ND       | 0.17     | 0.08    | 0.05     | 0.06     |
| 2,5-Dimethylbenzaldehyde |        | 0.02     | 0.03     | 0.02     | 0.01     | ND      | 0.01     | 0.01     |

u - Concentration is below the detection limit.

1 of 5

# El Paso, Texas (EPTX) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19336 D2 | 19336 R2 | 19438   | 19537   | 19719    | 19771   | 19830   | 19957   | 20097   |
|--------------------------|----------|----------|---------|---------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 2/12/01  | 2/12/01  | 2/24/01 | 3/8/01  | 3/20/01  | 4/1/01  | 4/13/01 | 4/25/01 | 5/7/01  |
| ANALYSIS DATE            | 3/1/01   | 3/1/01   | 4/11/01 | 4/12/01 | 4/30/01  | 5/7/01  | 5/8/01  | 5/18/01 | 5/29/01 |
| FILE NAME                | Q1B!041  | Q1B!042  | F1DI024 | F1DI054 | F1D\$006 | F1EG007 | F1EG031 | Q1EQ029 | Q1E#009 |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.55     | 1.53     | 0.49    | 0.41    | 1.91     | 0.92    | 1.34    | 2.02    | 0.76    |
| Acetaldehyde             | 0.76     | 0.74     | 0.23    | 0.26    | 1.61     | 0.63    | 1.06    | 0.93    | 0.40    |
| Acetone                  | 1.60     | 1.58     | 0.59    | 0.57    | 2.87     | 1.82    | 2.19    | 0.98    | 1.35    |
| Propionaldehyde          | 0.13     | 0.13     | 0.03    | 0.03    | 0.21     | 0.09    | 0.13    | 0.20    | 0.10    |
| Crotonaldehyde           | 0.02     | 0.04     | 0.003   | 0.004   | 0.014    | 0.01    | 0.01    | 0.11    | ND      |
| Butyr/Isobutyraldehyde   | 0.07     | 0.09     | 0.06    | 0.12    | 0.31     | 0.14    | 0.15    | 0.14    | 0.06    |
| Benzaldehyde             | 0.07     | 0.07     | 0.03    | 0.02    | 0.08     | 0.05    | 0.10    | 0.09    | 0.05    |
| Isovaleraldehyde         | ND       | ND       | ND      | ND      | ND       | ND      | ND      | ND      | ND      |
| Valeraldehyde            | 0.03     | 0.03     | 0.02    | 0.02    | 0.06     | 0.06    | 0.05    | 0.04    | 0.04    |
| Tolualdehydes            | 0.07     | 0.07     | 0.05    | 0.04    | 0.12     | 0.03    | 0.05    | 0.12    | 0.05    |
| Hexaldehyde              | 0.06     | 0.06     | 0.03    | 0.03    | 0.09     | 0.05    | 0.04    | 0.28    | ND      |
| 2,5-Dimethylbenzaldehyde | 0.03     | 0.02     | 0.01    | 0.01    | 0.01     | 0.01    | 0.02    | ND      | ND      |

u - Concentration is below the detection limit.

2 of 5

# El Paso, Texas (EPTX) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20290 D1 | 20290 R1 | 20292 D2 | 20292 R2 | 20484   | 20785   | 21178   | 21442   | 21680   |
|--------------------------|----------|----------|----------|----------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/19/01  | 5/19/01  | 5/19/01  | 5/19/01  | 5/31/01 | 6/12/01 | 6/24/01 | 7/6/01  | 7/18/01 |
| ANALYSIS DATE            | 6/8/01   | 6/8/01   | 6/8/01   | 6/8/01   | 6/18/01 | 7/11/01 | 7/18/01 | 7/27/01 | 8/11/01 |
| FILE NAME                | Q1FG028  | Q1FG029  | Q1FG030  | Q1FG031  | Q1FR015 | Q1GK006 | Q1GR006 | Q1G~016 | F1HK018 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.14     | 1.23     | 1.28     | 1.26     | 1.86    | 0.94    | 0.86    | 0.96    | 0.93    |
| Acetaldehyde             | 0.60     | 0.69     | 0.68     | 0.69     | 0.77    | 0.45    | 0.38    | 0.65    | 0.07    |
| Acetone                  | 0.69     | 0.76     | 0.43     | 0.36     | 0.26    | 0.51    | 0.15    | 0.21    | 0.02    |
| Propionaldehyde          | 0.14     | 0.17     | 0.16     | 0.13     | 0.17    | 0.07    | 0.07    | 0.08    | 0.02    |
| Crotonaldehyde           | 0.12     | 0.10     | 0.11     | 0.09     | ND      | ND      | 0.22    | 0.13    | 0.01    |
| Butyr/Isobutyraldehyde   | 0.12     | 0.10     | 0.09     | 0.08     | 0.12    | 0.08    | 0.10    | 0.09    | 0.05    |
| Benzaldehyde             | 0.08     | 0.09     | 0.10     | 0.11     | 0.07    | 0.07    | 0.06    | 0.05    | 0.06    |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | ND      | ND      | 0.004   | ND      |
| Valeraldehyde            | 0.04     | 0.03     | 0.01     | 0.02     | ND      | 0.02    | 0.03    | 0.02    | 0.02    |
| Tolualdehydes            | 0.05     | 0.06     | 0.05     | 0.07     | 0.08    | 0.11    | 0.04    | 0.04    | 0.06    |
| Hexaldehyde              | 0.27     | 0.29     | 0.32     | 0.34     | 0.34    | 0.33    | 0.36    | 0.23    | 0.03    |
| 2,5-Dimethylbenzaldehyde | ND       | 0.02     | ND       | ND       | ND      | ND      | ND      | ND      | ND      |

u - Concentration is below the detection limit.

3 of 5

# El Paso, Texas (EPTX) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22017   | 22186   | 22528   | 22681   | 23076    | 23205 D1 | 23205 R1 | 23207 D2 | 23207 R2 |
|--------------------------|---------|---------|---------|---------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 7/30/01 | 8/11/01 | 8/23/01 | 9/4/01  | 9/16/01  | 9/28/01  | 9/28/01  | 9/28/01  | 9/28/01  |
| ANALYSIS DATE            | 8/21/01 | 8/28/01 | 9/28/01 | 9/27/01 | 10/19/01 | 10/26/01 | 10/26/01 | 10/26/01 | 10/26/01 |
| FILE NAME                | F1HU019 | Q1H~029 | F1I~036 | Q1IZ044 | Q1JS018  | Q1JX060  | Q1JX061  | Q1JX062  | Q1JX063  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 0.62    | 1.89    | 1.81    | 0.57    | 0.66     | 1.93     | 1.93     | 1.78     | 1.83     |
| Acetaldehyde             | 0.29    | 1.02    | 0.95    | 0.21    | 2.37     | 0.99     | 0.95     | 0.98     | 1.01     |
| Acetone                  | 0.05    | 0.38    | 1.01    | 0.08    | 0.13     | 2.85     | 2.72     | 2.72     | 2.80     |
| Propionaldehyde          | 0.04    | 0.17    | 0.14    | 0.07    | 0.07     | 0.15     | 0.14     | 0.15     | 0.15     |
| Crotonaldehyde           | ND      | 0.11    | 0.02    | 0.10    | ND       | 0.04     | 0.04     | 0.04     | 0.04     |
| Butyr/Isobutyraldehyde   | 0.03    | 0.09    | 0.02    | 0.04    | 0.10     | 0.11     | 0.11     | 0.12     | 0.13     |
| Benzaldehyde             | 0.03    | 0.08    | 0.12    | 0.02    | 0.05     | 0.06     | 0.06     | 0.07     | 0.07     |
| Isovaleraldehyde         | ND      | ND      | 0.20    | ND      | 0.005    | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.02    | 0.02    | 0.07    | 0.03    | 0.01     | 0.03     | 0.03     | 0.03     | 0.03     |
| Tolualdehydes            | 0.04    | 0.08    | 0.09    | 0.03    | 0.02     | 0.10     | 0.06     | 0.08     | 0.08     |
| Hexaldehyde              | 0.02    | 0.40    | 0.04    | 0.18    | 0.17     | 0.21     | 0.20     | 0.20     | 0.20     |
| 2,5-Dimethylbenzaldehyde | 0.02    | 0.04    | 0.01    | ND      | 0.02     | 0.01     | 0.01     | 0.01     | 0.02     |

u - Concentration is below the detection limit.

4 of 5

# El Paso, Texas (EPTX) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23397    | 23612    | 23857    | 24082    | 24245    | 24499   | 24902    |
|--------------------------|----------|----------|----------|----------|----------|---------|----------|
| SAMPLE DATE              | 10/10/01 | 10/22/01 | 11/3/01  | 11/15/01 | 11/27/01 | 12/9/01 | 12/21/01 |
| ANALYSIS DATE            | 11/6/01  | VOID     | 11/20/01 | 12/3/01  | 12/12/01 | 1/8/02  | 1/18/02  |
| FILE NAME                | F1KE042  | VOID     | F1KT010  | F1LC009  | F1LK032  | F2AG021 | F2AR021  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     |
| Formaldehyde             | 2.07     |          | 0.67     | 0.99     | 0.49     | 1.72    | 3.30     |
| Acetaldehyde             | 1.29     |          | 0.34     | 0.51     | 0.20     | 0.84    | 1.65     |
| Acetone                  | 2.66     |          | 1.10     | 0.56     | 0.93     | 1.30    | 2.88     |
| Propionaldehyde          | 0.23     |          | 0.03     | 0.07     | 0.04     | 0.10    | 0.17     |
| Crotonaldehyde           | 0.02     |          | 0.01     | 0.01     | ND       | 0.01    | 0.03     |
| Butyr/Isobutyraldehyde   | 0.23     |          | 0.09     | 0.08     | 0.06     | 0.10    | 0.20     |
| Benzaldehyde             | 0.07     |          | 0.02     | 0.03     | 0.02     | 0.05    | 0.10     |
| Isovaleraldehyde         | ND       |          | ND       | ND       | ND       | ND      | ND       |
| Valeraldehyde            | 0.04     |          | 0.02     | 0.07     | 0.01     | 0.03    | 0.05     |
| Tolualdehydes            | 0.08     |          | 0.02     | 0.03     | 0.01     | 0.03    | 0.10     |
| Hexaldehyde              | 0.04     |          | 0.02     | 0.02     | 0.01     | 0.02    | 0.06     |
| 2,5-Dimethylbenzaldehyde | ND       |          | ND       | ND       | 0.004    | ND      | ND       |

u - Concentration is below the detection limit.

5 of 5

# El Paso, Texas (EPTX) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1DI025  | F1DI055  | F1EG032  | Q1E#010  | Q1GK005  | F1HK017  | Q1H~028  | Q1IZ043  | F1KH031  | F1LK031  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 19439 FB | 19538 FB | 19831 FB | 20096 FB | 20784 FB | 21679 FB | 22185 FB | 22680 FB | 23611 FB | 24244 FB |
| Sample Date              | 2/24/01  | 3/8/01   | 4/13/01  | 5/7/01   | 6/12/01  | 7/18/01  | 8/11/01  | 9/4/01   | 10/22/01 | 11/27/01 |
| Date Analyzed            | 4/11/01  | 4/12/01  | 5/8/01   | 5/29/01  | 7/11/01  | 8/11/01  | 8/28/01  | 9/27/01  | 11/9/01  | 12/12/01 |
| Formaldehyde             | 0.034    | 0.045    | 0.013    | 0.033    | 0.034    | 0.035    | 0.017    | 0.006    | 0.043    | 0.038    |
| Acetaldehyde             | 0.095    | 0.093    | 0.064    | 0.032    | 0.091    | 0.080    | 0.074    | 0.073    | 0.122    | 0.035    |
| Acetone                  | 0.089    | 0.096    | 0.082    | 0.106    | 0.213    | 0.133    | 0.162    | 0.235    | 0.232    | 0.214    |
| Propionaldehyde          | 0.003    | ND       | 0.015    | ND       |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | 0.010    | 0.010    | ND       | ND       | ND       | 0.036    | ND       | ND       | 0.217    | 0.070    |
| Benzaldehyde             | 0.025    | 0.003    | 0.002    | ND       | ND       | 0.021    | ND       | ND       | 0.014    | ND       |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.000    | 0.001    | 0.006    | ND       | ND       | ND       | ND       | ND       | 0.017    | ND       |
| Tolualdehydes            | ND       | ND       | ND       | ND       | ND       | 0.111    | ND       | ND       | 0.082    | 0.006    |
| Hexaldehyde              | 0.024    | 0.047    | 0.020    | 0.050    | 0.046    | 0.014    | 0.039    | 0.008    | 0.017    | 0.015    |
| 2,5-Dimethylbenzaldehyde | ND       |

# El Paso, Texas (EPTX) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

|                          |          |
|--------------------------|----------|
| Data File ID             | F2AG020  |
| FB ID                    | 24498 FB |
| Sample Date              | 12/9/01  |
| Date Analyzed            | 1/7/02   |
|                          |          |
| Formaldehyde             | 0.068    |
| Acetaldehyde             | 0.043    |
| Acetone                  | 0.205    |
| Propionaldehyde          | ND       |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | 0.055    |
| Benzaldehyde             | 0.011    |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.005    |
| Tolualdehydes            | 0.008    |
| Hexaldehyde              | 0.012    |
| 2,5-Dimethylbenzaldehyde | ND       |

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19036    | 19038    | 19064   | 19128   | 19170   | 19200   | 19267   | 19321 D1 |
|--------------------------|----------|----------|---------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 1/1/01   | 1/7/01   | 1/13/01 | 1/19/01 | 1/25/01 | 1/31/01 | 2/6/01  | 2/12/01  |
| ANALYSIS DATE            | 1/31/01  | 1/31/01  | 2/6/01  | 2/7/01  | 2/9/01  | VOID    | 2/28/01 | 3/6/01   |
| FILE NAME                | Q1A\$027 | Q1A\$028 | Q1BF009 | Q1BF018 | Q1BH029 | VOID    | Q1B~019 | Q1CE015  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     |
| Formaldehyde             | 2.12     | 3.04     | 1.60    | 1.67    | 1.54    |         | 2.37    | 2.08     |
| Acetaldehyde             | 1.22     | 1.69     | 0.83    | 0.44    | 0.63    |         | 1.43    | 0.79     |
| Acetone                  | 1.31     | 2.00     | 1.24    | 1.12    | 1.59    |         | 1.51    | 0.49     |
| Propionaldehyde          | 0.10     | 0.22     | 0.09    | 0.02    | 0.04    |         | 0.14    | 0.07     |
| Crotonaldehyde           | 0.05     | 0.05     | ND      | ND      | 0.01    |         | 0.03    | 0.04     |
| Butyr/Isobutyraldehyde   | 0.07     | 0.06     | 0.06    | 0.03    | 0.01    |         | 0.08    | 0.04     |
| Benzaldehyde             | 0.05     | 0.09     | 0.03    | 0.06    | 0.02    |         | 0.06    | 0.03     |
| Isovaleraldehyde         | ND       | ND       | ND      | ND      | ND      |         | ND      | ND       |
| Valeraldehyde            | 0.02     | ND       | ND      | ND      | 0.01    |         | 0.01    | ND       |
| Tolualdehydes            | 0.09     | 0.11     | 0.05    | ND      | 0.02    |         | 0.04    | 0.02     |
| Hexaldehyde              | ND       | ND       | 0.17    | 0.14    | ND      |         | ND      | ND       |
| 2,5-Dimethylbenzaldehyde | 0.05     | 0.02     | ND      | ND      | ND      |         | 0.02    | ND       |

u - Concentration is below the detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19321 R1 | 19322 D2 | 19322 R2 | 19359 D1 | 19359 R1 | 19360 D2 | 19360 R2 | 19421   |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 2/12/01  | 2/12/01  | 2/12/01  | 2/18/01  | 2/18/01  | 2/18/01  | 2/18/01  | 2/24/01 |
| ANALYSIS DATE            | 3/6/01   | 3/6/01   | 3/6/01   | 3/14/01  | 3/14/01  | 3/14/01  | 3/14/01  | 4/10/01 |
| FILE NAME                | Q1CE016  | Q1CE017  | Q1CE018  | Q1CN005  | Q1CN006  | Q1CN007  | Q1CN008  | F1DI016 |
| UNITS                    | ppbv     | ppbv    |
| Formaldehyde             | 2.11     | 1.86     | 1.83     | 2.07     | 2.06     | 1.96     | 1.93     | 2.39    |
| Acetaldehyde             | 0.80     | 0.71     | 0.70     | 0.85     | 0.80     | 0.77     | 0.79     | 1.25    |
| Acetone                  | 0.51     | 0.39     | 0.38     | 1.06     | 1.05     | 0.95     | 0.94     | 0.70    |
| Propionaldehyde          | 0.08     | 0.06     | 0.06     | 0.05     | 0.04     | 0.05     | 0.05     | 0.06    |
| Crotonaldehyde           | 0.05     | 0.04     | 0.03     | 0.03     | 0.04     | 0.03     | 0.04     | 0.003   |
| Butyr/Isobutyraldehyde   | 0.02     | 0.03     | 0.02     | 0.03     | 0.03     | 0.03     | 0.03     | ND      |
| Benzaldehyde             | 0.03     | 0.03     | 0.03     | 0.02     | 0.02     | 0.03     | 0.03     | 0.05    |
| Isovaleraldehyde         | ND       | ND      |
| Valeraldehyde            | ND       | 0.03    |
| Tolualdehydes            | 0.03     | 0.03     | 0.07     | ND       | ND       | ND       | ND       | 0.04    |
| Hexaldehyde              | ND       | 0.03    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | 0.02     | 0.02     | 0.01    |

u - Concentration is below the detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19462   | 19517   | 19549   | 19585   | 19706    | 19751    | 19772   | 19812   |
|--------------------------|---------|---------|---------|---------|----------|----------|---------|---------|
| SAMPLE DATE              | 3/3/01  | 3/8/01  | 3/14/01 | 3/20/01 | 3/26/01  | 4/1/01   | 4/7/01  | 4/13/01 |
| ANALYSIS DATE            | 4/16/01 | 4/12/01 | 4/18/01 | 4/19/01 | 4/30/01  | 5/1/01   | 5/7/01  | 5/15/01 |
| FILE NAME                | F1DP011 | F1DI045 | F1DP048 | F1DS012 | F1D\$014 | F1D\$037 | F1EG011 | Q1EO016 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 1.98    | 3.29    | 2.25    | 0.97    | 1.71     | 1.55     | 2.78    | 2.76    |
| Acetaldehyde             | 0.47    | 0.85    | 0.94    | 0.32    | 0.61     | 0.46     | 0.84    | 0.78    |
| Acetone                  | 0.46    | 1.65    | 1.06    | 0.63    | 1.10     | 1.04     | 0.50    | 0.31    |
| Propionaldehyde          | 0.02    | 0.03    | 0.04    | ND      | ND       | 0.01     | 0.04    | 0.07    |
| Crotonaldehyde           | ND      | 0.002u  | ND      | ND      | ND       | ND       | 0.04    | ND      |
| Butyr/Isobutyraldehyde   | 0.04    | 0.07    | 0.05    | 0.03    | ND       | 0.06     | 0.06    | 0.06    |
| Benzaldehyde             | 0.02    | 0.04    | 0.04    | 0.02    | 0.02     | 0.02     | 0.04    | 0.06    |
| Isovaleraldehyde         | ND      | ND      | ND      | ND      | ND       | ND       | 0.001u  | ND      |
| Valeraldehyde            | ND      | 0.01    | 0.01    | 0.005   | ND       | 0.01     | 0.03    | 0.06    |
| Tolualdehydes            | ND      | 0.003   | 0.005   | ND      | 0.002u   | 0.004    | 0.029   | 0.020   |
| Hexaldehyde              | 0.02    | 0.02    | 0.02    | 0.02    | 0.02     | 0.02     | 0.38    | 0.27    |
| 2,5-Dimethylbenzaldehyde | 0.01    | 0.0003u | 0.001u  | 0.001u  | 0.005    | 0.001u   | ND      | ND      |

u - Concentration is below the detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19887   | 19928   | 20005   | 20052   | 20124 D1 | 20124 R1 | 20125 D2 | 20125 R2 |
|--------------------------|---------|---------|---------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 4/19/01 | 4/25/01 | 5/1/01  | 5/7/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/13/01  |
| ANALYSIS DATE            | 5/17/01 | 5/18/01 | 5/18/01 | 5/18/01 | 7/26/01  | 7/26/01  | 7/26/01  | 7/26/01  |
| FILE NAME                | Q1EQ011 | Q1EQ021 | Q1EQ040 | F1EQ022 | F1GZ015  | F1GZ016  | F1GZ018  | F1GZ019  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 2.71    | 2.56    | 3.08    | 4.39    | 4.86     | 4.76     | 4.44     | 4.51     |
| Acetaldehyde             | 1.11    | 0.87    | 0.83    | 1.37    | 1.41     | 1.35     | 1.33     | 1.34     |
| Acetone                  | 1.42    | 0.40    | 0.81    | 1.35    | 1.59     | 1.50     | 1.49     | 1.30     |
| Propionaldehyde          | 0.03    | 0.08    | 0.04    | 0.05    | 0.08     | 0.05     | 0.17     | 0.02     |
| Crotonaldehyde           | ND      | 0.06    | ND      | ND      | ND       | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.02    | 0.05    | 0.02    | 0.11    | 0.01     | 0.01     | 0.04     | 0.03     |
| Benzaldehyde             | 0.06    | 0.07    | 0.04    | 0.06    | 0.06     | 0.06     | 0.06     | 0.08     |
| Isovaleraldehyde         | ND      | 0.001u  | ND      | ND      | 0.13     | 0.12     | 0.15     | 0.14     |
| Valeraldehyde            | ND      | ND      | ND      | 0.06    | 0.02     | ND       | 0.01     | 0.01     |
| Tolualdehydes            | ND      | 0.015   | ND      | 0.079   | 0.051    | 0.059    | 0.010    | 0.012    |
| Hexaldehyde              | ND      | 0.25    | 0.39    | 0.03    | 0.02     | 0.02     | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | 0.008   | ND       | ND       | 0.040    | ND       |

u - Concentration is below the detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20242 D1 | 20242 R1 | 20243 D2 | 20243 R2 | 20377   | 20443   | 20514   | 20605   |
|--------------------------|----------|----------|----------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/19/01  | 5/19/01  | 5/19/01  | 5/19/01  | 5/25/01 | 5/31/01 | 6/6/01  | 6/12/01 |
| ANALYSIS DATE            | 6/15/01  | 6/15/01  | 6/15/01  | 6/15/01  | 6/16/01 | 6/20/01 | 6/21/01 | 6/29/01 |
| FILE NAME                | F1FN038  | F1FN039  | F1FN040  | F1FN041  | F1FN065 | F1FT005 | F1FT027 | F1F!014 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 3.71     | 3.66     | 3.74     | 3.73     | 6.70    | 4.21    | 6.37    | 2.35    |
| Acetaldehyde             | 0.91     | 0.86     | 0.95     | 0.91     | ND      | 1.07    | 0.26    | ND      |
| Acetone                  | 0.91     | 0.90     | 0.96     | 0.93     | ND      | 0.79    | 0.37    | ND      |
| Propionaldehyde          | 0.02     | 0.02     | 0.02     | 0.03     | ND      | 0.11    | ND      | ND      |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND      | ND      | ND      | ND      |
| Butyr/Isobutyraldehyde   | 0.01     | 0.04     | 0.06     | 0.07     | ND      | 0.36    | ND      | ND      |
| Benzaldehyde             | 0.03     | 0.02     | 0.03     | 0.02     | 0.04    | ND      | 0.61    | 0.01    |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | ND      | ND      | ND      |
| Valeraldehyde            | ND       | 0.005    | 0.01     | ND       | ND      | ND      | 0.03    | ND      |
| Tolualdehydes            | 0.009    | ND       | 0.010    | ND       | ND      | ND      | ND      | 0.016   |
| Hexaldehyde              | 0.02     | 0.02     | 0.02     | 0.02     | ND      | 0.14    | 0.06    | ND      |
| 2,5-Dimethylbenzaldehyde | ND       | 0.013    | ND       | ND       | ND      | 0.016   | ND      | ND      |

u - Concentration is below the detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21046   | 21047   | 21198   | 21421   | 21480   | 21648   | 21726   | 21810   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 6/24/01 | 6/24/01 | 6/30/01 | 7/6/01  | 7/12/01 | 7/18/01 | 7/24/01 | 7/30/01 |
| ANALYSIS DATE            | VOID    | VOID    | 7/24/01 | 7/29/01 | VOID    | VOID    | 8/15/01 | 8/15/01 |
| FILE NAME                | VOID    | VOID    | Q1GW048 | F1G#010 | VOID    | VOID    | F1HN017 | F1HN018 |
| UNITS                    | ppbv    |
| Formaldehyde             |         |         | 3.29    | 0.66    |         |         | 2.24    | 3.63    |
| Acetaldehyde             |         |         | ND      | 0.003   |         |         | 0.75    | 1.10    |
| Acetone                  |         |         | ND      | 0.0003u |         |         | 0.15    | 0.18    |
| Propionaldehyde          |         |         | ND      | ND      |         |         | 0.05    | 0.14    |
| Crotonaldehyde           |         |         | ND      | 0.003u  |         |         | ND      | ND      |
| Butyr/Isobutyraldehyde   |         |         | ND      | ND      |         |         | 0.05    | 0.16    |
| Benzaldehyde             |         |         | 0.02    | 0.05    |         |         | 0.12    | 0.05    |
| Isovaleraldehyde         |         |         | ND      | ND      |         |         | 0.001u  | 0.09    |
| Valeraldehyde            |         |         | ND      | ND      |         |         | 0.01    | 0.04    |
| Tolualdehydes            |         |         | ND      | 0.06    |         |         | 0.04    | 0.07    |
| Hexaldehyde              |         | 0.20    | 0.03    | ND      |         |         | 0.02    | 0.05    |
| 2,5-Dimethylbenzaldehyde |         | ND      | ND      |         |         |         | 0.012   | ND      |

u - Concentration is below the detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22048    | 22202   | 22322 D1 | 22323 D2 | 22387 D1 | 22387 R1 | 22388 D2 | 22388 R2 |
|--------------------------|----------|---------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 8/5/01   | 8/11/01 | 8/17/01  | 8/17/01  | 8/23/01  | 8/23/01  | 8/23/01  | 8/23/01  |
| ANALYSIS DATE            | 8/28/01  | 9/12/01 | VOID     | VOID     | 9/21/01  | 9/21/01  | 9/21/01  | 9/21/01  |
| FILE NAME                | *F1H~013 | Q1IL014 | VOID     | VOID     | F1IT044  | F1IT045  | F1IT046  | F1IT047  |
| UNITS                    | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 7.81     | 2.62    |          |          | 4.43     | 4.35     | 4.19     | 4.81     |
| Acetaldehyde             | 0.47     | 0.91    |          |          | 1.03     | 1.02     | 0.93     | 0.94     |
| Acetone                  | 0.96     | 0.27    |          |          | 0.43     | 0.43     | 0.33     | 0.34     |
| Propionaldehyde          | ND       | 0.08    |          |          | 0.11     | 0.10     | 0.09     | 0.09     |
| Crotonaldehyde           | ND       | 0.05    |          |          | ND       | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | ND       | 0.05    |          |          | 0.43     | 0.39     | 0.11     | 0.10     |
| Benzaldehyde             | 0.07     | 0.08    |          |          | 0.08     | 0.07     | 0.04     | 0.04     |
| Isovaleraldehyde         | ND       | ND      |          |          | ND       | ND       | ND       | ND       |
| Valeraldehyde            | ND       | 0.004   |          |          | 0.01     | 0.03     | 0.01     | 0.02     |
| Tolualdehydes            | 0.27     | 0.04    |          |          | 0.07     | 0.03     | 0.02     | 0.03     |
| Hexaldehyde              | 0.01     | 0.33    |          |          | 0.03     | 0.03     | 0.02     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND      |          |          | 0.030    | 0.023    | ND       | ND       |

u - Concentration is below the detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22589    | 22849    | 22852    | 22943    | 22946    | 23153    | 23231   | 23310    |
|--------------------------|----------|----------|----------|----------|----------|----------|---------|----------|
| SAMPLE DATE              | 9/4/01   | 9/10/01  | 9/16/01  | 9/19/01  | 9/22/01  | 9/28/01  | 10/4/01 | 10/10/01 |
| ANALYSIS DATE            | 10/17/01 | 10/23/01 | 10/23/01 | 10/24/01 | 10/24/01 | 10/26/01 | 11/1/01 | 11/6/01  |
| FILE NAME                | Q1JQ012  | F1JV006  | F1JV009  | F1JV026  | F1JV029  | F1JZ022  | F1KA009 | F1KE029  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     |
| Formaldehyde             | 3.66     | 3.15     | 5.45     | 4.79     | 4.77     | 4.33     | 4.22    | 3.23     |
| Acetaldehyde             | 1.57     | 1.14     | 2.57     | 1.83     | 1.79     | 1.86     | 1.63    | 1.17     |
| Acetone                  | 0.62     | 0.46     | 1.00     | 0.72     | 0.78     | 1.10     | 1.04    | 0.62     |
| Propionaldehyde          | 0.13     | 0.08     | 0.21     | 0.17     | 0.23     | 0.21     | 0.20    | 0.15     |
| Crotonaldehyde           | ND       | 0.003u   | 0.01     | 0.004    | ND       | 0.01     | 0.01    | 0.005    |
| Butyr/Isobutyraldehyde   | 0.06     | 0.15     | 0.19     | 0.21     | 0.23     | 0.33     | 0.22    | 0.23     |
| Benzaldehyde             | 0.03     | 0.08     | 0.05     | 0.07     | 0.07     | 0.07     | 0.06    | 0.04     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | ND       | ND      | ND       |
| Valeraldehyde            | 0.01     | 0.02     | 0.05     | 0.03     | 0.05     | 0.03     | 0.05    | 0.02     |
| Tolualdehydes            | 0.01     | 0.05     | 0.05     | 0.07     | 0.05     | 0.05     | 0.04    | 0.03     |
| Hexaldehyde              | 0.24     | 0.03     | 0.03     | 0.03     | 0.03     | 0.03     | 0.03    | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | ND       | ND      | ND       |

u - Concentration is below the detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23419    | 23548    | 23642    | 23750    | 23787    | 24021    | 24027    | 24030 D1 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/17/01 | 10/22/01 | 10/28/01 | 10/31/01 | 11/3/01  | 11/9/01  | 11/15/01 | 11/18/01 |
| ANALYSIS DATE            | VOID     | 11/9/01  | 11/13/01 | 11/13/01 | 11/20/01 | 11/29/01 | 11/29/01 | 11/30/01 |
| FILE NAME                | VOID     | F1KH046  | F1KL029  | F1KL025  | F1KT007  | F1K!037  | F1K!043  | F1K!057  |
| UNITS                    | ppbv     |
| Formaldehyde             |          | 4.05     | 3.08     | 2.67     | 2.98     | 3.43     | 2.03     | 3.39     |
| Acetaldehyde             |          | 1.59     | 1.47     | 1.13     | 1.05     | 1.51     | 0.74     | 1.58     |
| Acetone                  |          | 0.75     | 1.28     | 0.55     | 0.49     | 1.08     | 0.58     | 0.87     |
| Propionaldehyde          |          | 0.15     | 0.05     | 0.08     | 0.11     | 0.10     | 0.04     | 0.10     |
| Crotonaldehyde           |          | 0.02     | ND       | 0.01     | 0.003u   | 0.01     | 0.01     | 0.005    |
| Butyr/Isobutyraldehyde   |          | 0.25     | 0.15     | 0.17     | 0.14     | 0.13     | 0.11     | 0.21     |
| Benzaldehyde             |          | 0.07     | 0.01     | 0.03     | 0.03     | 0.04     | 0.01     | 0.04     |
| Isovaleraldehyde         |          | ND       | 0.001u   | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            |          | 0.04     | 0.01     | 0.02     | 0.02     | 0.02     | 0.004    | 0.02     |
| Tolualdehydes            |          | 0.05     | 0.02     | 0.03     | 0.03     | 0.03     | 0.01     | 0.04     |
| Hexaldehyde              |          | 0.03     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     |
| 2,5-Dimethylbenzaldehyde |          | ND       |

u - Concentration is below the detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24030 R1 | 24031 D2 | 24031 R2 | 24181    | 24226    | 24297 D1 | 24297 R2 | 24298 D2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 11/18/01 | 11/18/01 | 11/18/01 | 11/21/01 | 11/27/01 | 11/30/01 | 11/30/01 | 11/30/01 |
| ANALYSIS DATE            | 11/30/01 | 11/30/01 | 11/30/01 | 12/7/01  | 12/11/01 | 12/12/01 | 12/12/01 | 12/12/01 |
| FILE NAME                | F1K!058  | F1K!059  | F1K!060  | F1LF022  | F1LK010  | F1LK049  | F1LK050  | F1LK051  |
| UNITS                    | ppbv     |
| Formaldehyde             | 3.35     | 3.05     | 3.09     | 3.62     | 2.82     | 3.04     | 3.05     | 2.36     |
| Acetaldehyde             | 1.57     | 1.43     | 1.43     | 1.63     | 1.12     | 1.26     | 1.26     | 0.97     |
| Acetone                  | 0.85     | 0.52     | 0.52     | 1.29     | 0.69     | 0.69     | 0.69     | 0.60     |
| Propionaldehyde          | 0.10     | 0.15     | 0.15     | 0.09     | 0.08     | 0.43     | 0.44     | 0.30     |
| Crotonaldehyde           | 0.005    | 0.004    | 0.004    | 0.004    | 0.01     | 0.01     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.21     | 0.16     | 0.16     | 0.09     | 0.10     | 0.13     | 0.12     | 0.09     |
| Benzaldehyde             | 0.03     | 0.03     | 0.03     | 0.05     | 0.03     | 0.07     | 0.08     | 0.06     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.02     | 0.02     | 0.01     | 0.02     | 0.02     | 0.03     | 0.03     | 0.02     |
| Tolualdehydes            | 0.03     | 0.03     | 0.03     | 0.04     | 0.03     | 0.05     | 0.04     | 0.03     |
| Hexaldehyde              | 0.01     | 0.01     | 0.01     | 0.01     | 0.02     | 0.02     | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24298 R2 | 24412   | 24474 D1 | 24474 R1 | 24475 D2 | 24475 R2 | 24473   | 24656    |
|--------------------------|----------|---------|----------|----------|----------|----------|---------|----------|
| SAMPLE DATE              | 11/30/01 | 12/3/01 | 12/6/01  | 12/6/01  | 12/6/01  | 12/6/01  | 12/9/01 | 12/15/01 |
| ANALYSIS DATE            | 12/12/01 | 1/2/02  | 1/9/02   | 1/9/02   | 1/9/02   | 1/9/02   | 1/8/02  | 1/14/02  |
| FILE NAME                | F1LK052  | F2AB011 | F2AG067  | F2AG068  | F2AG069  | F2AG070  | F2AG027 | F2AN012  |
| UNITS                    | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     |
| Formaldehyde             | 2.38     | 3.74    | 1.73     | 1.72     | 2.60     | 2.62     | 2.34    | 4.03     |
| Acetaldehyde             | 1.10     | 1.51    | 0.67     | 0.70     | 1.09     | 1.11     | 0.87    | 1.52     |
| Acetone                  | 0.60     | 0.99    | 0.34     | 0.34     | 0.41     | 0.41     | 0.36    | 0.85     |
| Propionaldehyde          | 0.29     | 0.14    | 0.07     | 0.07     | 0.12     | 0.11     | 0.09    | 0.13     |
| Crotonaldehyde           | 0.01     | 0.01    | 0.01     | 0.003    | 0.01     | 0.004    | 0.002u  | 0.01     |
| Butyr/Isobutyraldehyde   | 0.09     | 0.12    | 0.08     | 0.07     | 0.11     | 0.10     | 0.08    | 0.14     |
| Benzaldehyde             | 0.05     | 0.04    | 0.03     | 0.03     | 0.04     | 0.04     | 0.02    | 0.06     |
| Isovaleraldehyde         | ND       | ND      | ND       | ND       | ND       | ND       | ND      | ND       |
| Valeraldehyde            | 0.02     | 0.03    | 0.01     | 0.01     | 0.02     | 0.02     | 0.02    | 0.03     |
| Tolualdehydes            | 0.03     | 0.04    | 0.04     | 0.03     | 0.04     | 0.05     | 0.03    | 0.05     |
| Hexaldehyde              | 0.02     | 0.02    | 0.02     | 0.01     | 0.02     | 0.02     | 0.01    | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND      | ND       | ND       | ND       | ND       | ND      | ND       |

u - Concentration is below the detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Data Report

|                          |          |          |
|--------------------------|----------|----------|
| SAMPLE #                 | 24826    | 24858    |
| SAMPLE DATE              | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/18/02  | 1/21/02  |
| FILE NAME                | F2AR016  | F2AU016  |
| UNITS                    | ppbv     | ppbv     |
| Formaldehyde             | 3.61     | 3.13     |
| Acetaldehyde             | 1.63     | 1.55     |
| Acetone                  | 2.06     | 2.85     |
| Propionaldehyde          | 0.17     | 0.41     |
| Crotonaldehyde           | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.16     | 0.16     |
| Benzaldehyde             | 0.04     | 0.05     |
| Isovaleraldehyde         | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.04     |
| Tolualdehydes            | 0.04     | 0.06     |
| Hexaldehyde              | 0.03     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       |

u - Concentration is below the detection limit

\* - Sample was diluted 10X due to high moisture content in cartridge.

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1BF020  | Q1BH032  | Q1B~020  | F1DI017  | F1DI046  | F1D\$015 | Q1EO017  | Q1EQ012  | F1EQ023  | F1FN033  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 19129 FB | 19171 FB | 19268 FB | 19422 FB | 19518 FB | 19707 FB | 19813 FB | 19888 FB | 20051 FB | 20376 FB |
| Date Sampled             | 1/19/01  | 1/25/01  | 2/6/01   | 2/24/01  | 3/8/01   | 3/26/01  | 4/13/01  | 4/19/01  | 5/7/01   | 5/25/01  |
| Date Analyzed            | 2/7/01   | 2/9/01   | 2/28/01  | 4/10/01  | 4/12/01  | 5/1/01   | 5/15/01  | 5/17/01  | 5/18/01  | 6/15/01  |
| Formaldehyde             | 0.053    | 0.020    | 0.036    | 0.008    | 0.014    | 0.220    | 0.013    | 0.019    | 0.055    | 0.057    |
| Acetaldehyde             | 0.076    | 0.061    | 0.073    | 0.090    | 0.078    | 0.099    | 0.077    | 0.104    | 0.119    | 0.170    |
| Acetone                  | 0.113    | 0.114    | 0.110    | 0.106    | 0.100    | 0.107    | 0.079    | 0.106    | 0.155    | 0.201    |
| Propionaldehyde          | ND       |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | ND       | 0.008    | ND       | 0.010    | 0.008    | 0.009    | ND       | ND       | ND       | 0.053    |
| Benzaldehyde             | 0.017    | 0.011    | 0.034    | 0.003    | 0.006    | 0.004    | 0.017    | ND       | 0.013    | 0.014    |
| Isovaleraldehyde         | ND       | 0.039    |
| Valeraldehyde            | ND       | ND       | ND       | 0.012    | 0.002    | ND       | ND       | ND       | 0.001    | 0.004    |
| Tolualdehydes            | ND       | 0.042    | ND       |
| Hexaldehyde              | 0.056    | 0.026    | ND       | 0.014    | 0.033    | 0.059    | 0.009    | ND       | 0.045    | 0.037    |
| 2,5-Dimethylbenzaldehyde | ND       | 0.013    | ND       |

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

|                          | F1F!013<br>20604 FB | Q1GW047<br>21197 FB | VOID<br>21647 FB | F1HN016<br>21725 FB | Q1IL008<br>22201 FB | Q1JQ011<br>22588 FB | F1JZ021<br>23152 FB | F1KE028<br>23309 FB | F1KE065<br>23418 FB | F1K!040<br>24024 FB |
|--------------------------|---------------------|---------------------|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Data File ID             | F1F!013<br>20604 FB | Q1GW047<br>21197 FB | VOID<br>21647 FB | F1HN016<br>21725 FB | Q1IL008<br>22201 FB | Q1JQ011<br>22588 FB | F1JZ021<br>23152 FB | F1KE028<br>23309 FB | F1KE065<br>23418 FB | F1K!040<br>24024 FB |
| FB ID                    | 20604 FB            | 21197 FB            | 21647 FB         | 21725 FB            | 22201 FB            | 22588 FB            | 23152 FB            | 23309 FB            | 23418 FB            | 24024 FB            |
| Date Sampled             | 6/12/01             | 6/30/01             | 7/18/01          | 7/19/01             | 8/6/01              | 8/30/01             | 9/26/01             | 10/10/01            | 10/16/01            | 11/13/01            |
| Date Analyzed            | 6/28/01             | 7/24/01             | VOID             | 8/15/01             | 9/12/01             | 10/17/01            | 10/26/01            | 11/6/01             | 11/7/01             | 11/29/01            |
| Formaldehyde             | 0.041               | 0.029               |                  | 0.035               | 0.018               | 0.013               | 0.130               | 0.039               | 0.047               | 0.044               |
| Acetaldehyde             | 0.159               | 0.014               |                  | 0.067               | 0.023               | 0.082               | 0.096               | 0.093               | 0.110               | 0.088               |
| Acetone                  | 0.209               | 0.000               |                  | 0.119               | 0.094               | 0.245               | 0.242               | 0.231               | 0.227               | 0.201               |
| Propionaldehyde          | 0.010               | ND                  |                  | ND                  | ND                  | ND                  | 0.012               | 0.006               | 0.011               | 0.004               |
| Crotonaldehyde           | ND                  | ND                  |                  | ND                  |
| Butyraldehyde            | 0.085               | ND                  |                  | 0.020               | ND                  | ND                  | 0.177               | 0.153               | 0.176               | 0.117               |
| Benzaldehyde             | 0.012               | ND                  |                  | 0.018               | ND                  | ND                  | 0.004               | 0.009               | 0.014               | 0.007               |
| Isovaleraldehyde         | ND                  | ND                  |                  | ND                  |
| Valeraldehyde            | 0.008               | 0.074               |                  | 0.002               | ND                  | ND                  | 0.004               | 0.011               | 0.019               | 0.003               |
| Tolualdehydes            | ND                  | 0.206               |                  | 0.159               | ND                  | ND                  | 0.099               | 0.048               | 0.053               | 0.067               |
| Hexaldehyde              | 0.040               | 0.013               |                  | 0.009               | 0.019               | 0.031               | 0.016               | 0.019               | 0.026               | 0.017               |
| 2,5-Dimethylbenzaldehyde | ND                  | ND                  |                  | ND                  | ND                  | ND                  | 0.021               | ND                  | ND                  | ND                  |

# Gandy, Florida (GAFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1LF008  | F2AG026  | F2AG028  |
|--------------------------|----------|----------|----------|
| FB ID                    | 24180 FB | 24472 FB | 24476 FB |
| Date Sampled             | 11/19/01 | 12/9/01  | 12/10/01 |
| Date Analyzed            | 12/6/01  | 1/8/02   | 1/8/02   |
|                          |          |          |          |
| Formaldehyde             | 0.036    | 0.036    | 0.031    |
| Acetaldehyde             | 0.088    | 0.095    | 0.102    |
| Acetone                  | 0.214    | 0.195    | 0.181    |
| Propionaldehyde          | 0.006    | 0.008    | 0.004    |
| Crotonaldehyde           | ND       | ND       | ND       |
| Butyraldehyde            | 0.086    | 0.078    | 0.079    |
| Benzaldehyde             | 0.017    | 0.010    | 0.009    |
| Isovaleraldehyde         | ND       | ND       | ND       |
| Valeraldehyde            | 0.012    | 0.004    | 0.009    |
| Tolualdehydes            | 0.057    | 0.067    | 0.038    |
| Hexaldehyde              | 0.019    | 0.011    | 0.012    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       |

# Grand Junction, Colorado (GJCO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20137   | 20206   | 20284   | 20396 D1 | 20396 R1 | 20397 D2 | 20397 R2 |
|--------------------------|---------|---------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 5/7/01  | 5/13/01 | 5/19/01 | 5/25/01  | 5/25/01  | 5/25/01  | 5/25/01  |
| ANALYSIS DATE            | 5/30/01 | 6/4/01  | 6/7/01  | 6/12/01  | 6/12/01  | 6/12/01  | 6/12/01  |
| FILE NAME                | Q1E#025 | Q1FD006 | Q1FG007 | Q1FK022  | Q1FK023  | Q1FK024  | Q1FK025  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 6.30    | 11.83   | 12.28   | 13.07    | 10.44    | 9.89     | 10.42    |
| Acetaldehyde             | 1.58    | 2.52    | 2.48    | 3.20     | 2.67     | 2.49     | 2.60     |
| Acetone                  | 5.93    | 9.32    | 9.83    | 10.10    | 8.35     | 7.74     | 8.10     |
| Propionaldehyde          | 0.21    | 0.27    | 0.25    | 0.38     | 0.28     | 0.26     | 0.27     |
| Crotonaldehyde           | ND      | 0.16    | 0.19    | 0.13     | 0.13     | 0.14     | ND       |
| Butyr/Isobutyraldehyde   | 0.22    | 0.40    | 0.39    | 0.47     | 0.39     | 0.35     | 0.37     |
| Benzaldehyde             | 0.21    | 0.40    | 0.39    | 0.36     | 0.32     | 0.28     | 0.29     |
| Isovaleraldehyde         | ND      | ND      | ND      | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.13    | 0.30    | 0.20    | 0.25     | 0.18     | 0.26     | 0.18     |
| Tolualdehydes            | 0.13    | 0.21    | 0.20    | 0.20     | 0.21     | 0.19     | 0.20     |
| Hexaldehyde              | 0.74    | ND      | 1.39    | 1.20     | 1.03     | 0.92     | 0.96     |
| 2,5-Dimethylbenzaldehyde | 0.16    | 0.11    | 0.07    | 0.11     | 0.04     | ND       | ND       |

# Grand Junction, Colorado (GJCO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20507   | 20527   | 20669   | 21042   | 21217   | 21288   | 21560   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/31/01 | 6/6/01  | 6/12/01 | 6/18/01 | 6/24/01 | 6/30/01 | 7/6/01  |
| ANALYSIS DATE            | 6/19/01 | 6/21/01 | 6/22/01 | 7/11/01 | 7/18/01 | 7/26/01 | 7/27/01 |
| FILE NAME                | Q1FR017 | Q1FU006 | Q1FU038 | Q1GK013 | Q1GR013 | Q1GZ011 | Q1G-013 |
| UNITS                    | ppbv    |
| Formaldehyde             | 5.48    | 8.02    | 8.00    | 9.07    | 5.32    | 13.12   | 9.03    |
| Acetaldehyde             | 1.56    | 1.79    | 1.68    | 2.45    | 1.38    | 2.31    | 1.82    |
| Acetone                  | 6.00    | 4.94    | 4.96    | 6.66    | 4.15    | 7.48    | 6.91    |
| Propionaldehyde          | 0.18    | 0.18    | 0.14    | 0.28    | 0.06    | 0.26    | 0.16    |
| Crotonaldehyde           | ND      | 0.13    | 0.16    | ND      | ND      | 0.27    | 0.13    |
| Butyr/Isobutyraldehyde   | 0.16    | 0.25    | 0.25    | 0.32    | 0.10    | 0.33    | 0.22    |
| Benzaldehyde             | 0.16    | 0.22    | 0.20    | 0.28    | 0.15    | 0.28    | 0.23    |
| Isovaleraldehyde         | ND      |
| Valeraldehyde            | 0.06    | 0.10    | 0.21    | 0.23    | 0.05    | 0.25    | 0.15    |
| Tolualdehydes            | 0.09    | 0.20    | 0.22    | 0.21    | 0.08    | 0.16    | 0.09    |
| Hexaldehyde              | 0.63    | 0.81    | 0.90    | 1.05    | 0.88    | 1.42    | 1.24    |
| 2,5-Dimethylbenzaldehyde | 0.06    | 0.05    | ND      | 0.06    | ND      | 0.06    | 0.08    |

# Grand Junction, Colorado (GJCO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21568   | 21826   | 21832   | 22009   | 22029   | 22238   | 22345 D1 |
|--------------------------|---------|---------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 7/12/01 | 7/18/01 | 7/24/01 | 7/30/01 | 8/5/01  | 8/11/01 | 8/17/01  |
| ANALYSIS DATE            | 7/27/01 | 8/12/01 | 8/12/01 | 8/16/01 | 8/22/01 | VOID    | 9/21/01  |
| FILE NAME                | Q1G~015 | F1HK036 | F1HK040 | F1HN047 | Q1HV012 | VOID    | F1IT031  |
| UNITS                    | ppbv     |
| Formaldehyde             | 8.36    | 4.00    | 7.84    | 6.97    | 6.08    |         | 11.19    |
| Acetaldehyde             | 1.55    | 0.87    | 1.42    | 1.26    | 1.23    |         | 3.49     |
| Acetone                  | 5.18    | 3.72    | 4.69    | 3.92    | 4.23    |         | 5.70     |
| Propionaldehyde          | 0.10    | 0.13    | 0.20    | 0.18    | 0.11    |         | 0.25     |
| Crotonaldehyde           | 0.09    | ND      | 0.03    | 0.02    | 0.21    |         | 0.04     |
| Butyr/Isobutyraldehyde   | 0.15    | 0.07    | 0.21    | 0.17    | 0.20    |         | 0.47     |
| Benzaldehyde             | 0.22    | 0.11    | 0.24    | 0.19    | 0.13    |         | 0.28     |
| Isovaleraldehyde         | ND      | 0.21    | 0.39    | 0.29    | ND      |         | ND       |
| Valeraldehyde            | 0.14    | 0.06    | 0.11    | 0.09    | 0.01    |         | 0.25     |
| Tolualdehydes            | 0.07    | 0.06    | 0.16    | 0.06    | 0.06    |         | 0.10     |
| Hexaldehyde              | 0.82    | 0.09    | 0.19    | 0.16    | 0.64    |         | 0.51     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | ND      | ND      |         | ND       |

# Grand Junction, Colorado (GJCO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22345 R1 | 22347 D2 | 22347 R2 | 22591   | 22583   | 22963    | 22806    |
|--------------------------|----------|----------|----------|---------|---------|----------|----------|
| SAMPLE DATE              | 8/17/01  | 8/17/01  | 8/17/01  | 8/23/01 | 8/29/01 | 9/4/01   | 9/10/01  |
| ANALYSIS DATE            | 9/21/01  | 9/21/01  | 9/21/01  | 9/29/01 | 9/29/01 | 10/18/01 | 10/19/01 |
| FILE NAME                | F1IT032  | F1IT034  | F1IT035  | F1#007  | F1#014  | Q1JQ052  | F1JS020  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 11.29    | 11.79    | 11.62    | 6.60    | 5.28    | 9.12     | 8.02     |
| Acetaldehyde             | 3.52     | 3.68     | 3.62     | 1.53    | 1.13    | 1.72     | 2.15     |
| Acetone                  | 5.74     | 5.85     | 5.76     | 5.36    | 4.95    | 6.34     | 7.48     |
| Propionaldehyde          | 0.24     | 0.26     | 0.25     | 0.10    | 0.08    | 0.14     | 0.18     |
| Crotonaldehyde           | 0.02     | 0.04     | 0.03     | 0.02    | ND      | 0.13     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.37     | 0.49     | 0.48     | 0.23    | 0.15    | 0.21     | 0.36     |
| Benzaldehyde             | 0.28     | 0.30     | 0.28     | 0.20    | 0.21    | 0.21     | 0.18     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND      | ND      | ND       | ND       |
| Valeraldehyde            | 0.26     | 0.28     | 0.27     | 0.12    | 0.03    | 0.13     | 0.15     |
| Tolualdehydes            | 0.12     | 0.13     | 0.11     | 0.12    | 0.09    | 0.12     | 0.09     |
| Hexaldehyde              | 0.54     | 0.58     | 0.56     | 0.23    | 0.14    | 1.00     | 0.26     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND      | ND      | 0.06     | ND       |

# Grand Junction, Colorado (GJCO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22893 D1 | 22893 R1 | 22895 D2 | 22895 R2 | 23003    | 23234    | 23298   |
|--------------------------|----------|----------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 9/16/01  | 9/16/01  | 9/16/01  | 9/16/01  | 9/22/01  | 9/28/01  | 10/4/01 |
| ANALYSIS DATE            | 10/20/01 | 10/20/01 | 10/20/01 | 10/20/01 | 10/27/01 | 10/25/01 | 11/9/01 |
| FILE NAME                | Q1JS030  | Q1JS031  | Q1JS032  | Q1JS033  | F1JZ034  | Q1JX045  | F1KH024 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    |
| Formaldehyde             | 5.06     | 5.10     | 4.76     | 4.69     | 6.14     | 7.40     | 5.51    |
| Acetaldehyde             | 1.05     | 1.05     | 1.02     | 1.01     | 1.58     | 1.98     | 1.60    |
| Acetone                  | 4.71     | 4.72     | 4.41     | 4.37     | 5.66     | 7.17     | 6.81    |
| Propionaldehyde          | 0.07     | 0.06     | 0.06     | 0.05     | 0.13     | 0.18     | 0.11    |
| Crotonaldehyde           | 0.07     | 0.08     | 0.09     | 0.07     | 0.02     | 0.11     | 0.02    |
| Butyr/Isobutyraldehyde   | 0.11     | 0.10     | 0.13     | 0.12     | 0.30     | 0.22     | 0.31    |
| Benzaldehyde             | 0.13     | 0.12     | 0.12     | 0.11     | 0.16     | 0.23     | 0.14    |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | 0.05     | ND       | 0.04    |
| Valeraldehyde            | 0.03     | 0.03     | 0.04     | 0.01     | 0.11     | 0.06     | 0.10    |
| Tolualdehydes            | 0.09     | 0.06     | 0.06     | 0.06     | 0.08     | 0.08     | 0.07    |
| Hexaldehyde              | 0.55     | 0.55     | 0.52     | 0.51     | 0.19     | 0.70     | 0.21    |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.02     | 0.02     | 0.02     | ND       | 0.04     | ND      |

# Grand Junction, Colorado (GJCO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23330    | 23465    | 23592    | 23676    | 23961    | 24086    | 24141    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/10/01 | 10/16/01 | 10/22/01 | 10/28/01 | 11/9/01  | 11/15/01 | 11/21/01 |
| ANALYSIS DATE            | 11/5/01  | 11/6/01  | 11/9/01  | 11/13/01 | 11/26/01 | 12/3/01  | 12/8/01  |
| FILE NAME                | F1KE012  | F1KE052  | F1KH028  | F1KL011  | Q1KZ017  | F1LC011  | F1LG019  |
| UNITS                    | ppbv     |
| Formaldehyde             | 3.51     | 5.31     | 3.35     | 6.30     | 4.19     | 3.48     | 2.63     |
| Acetaldehyde             | 0.88     | 1.34     | 0.82     | 2.35     | 1.35     | 1.00     | 1.02     |
| Acetone                  | 5.41     | 5.27     | 2.95     | 5.86     | 3.29     | 2.70     | 2.75     |
| Propionaldehyde          | 0.07     | 0.14     | 0.07     | 0.23     | 0.12     | 0.96     | 0.10     |
| Crotonaldehyde           | 0.01     | 0.03     | 0.02     | 0.04     | 0.07     | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.27     | 0.33     | 0.22     | 0.33     | 0.12     | 0.17     | 0.13     |
| Benzaldehyde             | 0.11     | 0.16     | 0.10     | 0.20     | 0.12     | 0.10     | 0.07     |
| Isovaleraldehyde         | 0.02     | 0.05     | 0.01     | 0.06     | ND       | ND       | ND       |
| Valeraldehyde            | 0.05     | 0.09     | 0.05     | 0.13     | 0.05     | 0.06     | 0.09     |
| Tolualdehydes            | 0.06     | 0.08     | 0.06     | 0.10     | 0.08     | 0.05     | 0.06     |
| Hexaldehyde              | 0.09     | 0.18     | 0.10     | 0.19     | 0.33     | 0.08     | 0.11     |
| 2,5-Dimethylbenzaldehyde | ND       |

# Grand Junction, Colorado (GJCO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24314 D1 | 24314 R1 | 24316 D2 | 24316 R2 | 24420   | 24548   | 24676    |
|--------------------------|----------|----------|----------|----------|---------|---------|----------|
| SAMPLE DATE              | 11/27/01 | 11/27/01 | 11/27/01 | 11/27/01 | 12/3/01 | 12/9/01 | 12/15/01 |
| ANALYSIS DATE            | 12/12/01 | 12/12/01 | 12/12/01 | 12/12/01 | 1/7/02  | 1/9/02  | 1/15/02  |
| FILE NAME                | Q1LL020  | Q1LL021  | Q1LL022  | Q1LL023  | F2AG011 | F2AG059 | F2AN040  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv     |
| Formaldehyde             | 1.88     | 1.92     | 1.82     | 1.82     | 2.23    | 2.51    | 2.28     |
| Acetaldehyde             | 0.51     | 0.51     | 0.56     | 0.53     | 0.74    | 0.99    | 0.93     |
| Acetone                  | 1.80     | 1.81     | 1.80     | 1.80     | 3.01    | 2.29    | 2.57     |
| Propionaldehyde          | 0.05     | 0.05     | 0.06     | 0.06     | 0.07    | 0.09    | 0.08     |
| Crotonaldehyde           | 0.04     | 0.04     | 0.03     | 0.04     | 0.02    | 0.02    | 0.02     |
| Butyr/Isobutyraldehyde   | 0.10     | 0.10     | 0.05     | 0.07     | 0.14    | 0.17    | 0.18     |
| Benzaldehyde             | 0.06     | 0.06     | 0.06     | 0.07     | 0.07    | 0.07    | 0.07     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | ND      | ND       |
| Valeraldehyde            | 0.01     | 0.01     | 0.01     | 0.01     | 0.03    | 0.04    | 0.04     |
| Tolualdehydes            | 0.02     | 0.02     | 0.03     | 0.03     | 0.04    | 0.05    | 0.04     |
| Hexaldehyde              | 0.15     | 0.14     | 0.15     | 0.14     | 0.04    | 0.05    | 0.05     |
| 2,5-Dimethylbenzaldehyde | 0.00     | 0.01     | ND       | ND       | ND      | ND      | ND       |

# Grand Junction, Colorado (GJCO) 2001 UATMP Carbonyl Final Data Report

|                          |          |          |
|--------------------------|----------|----------|
| SAMPLE #                 | 24795    | 24846    |
| SAMPLE DATE              | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/18/02  | 1/22/02  |
| FILE NAME                | F2AR008  | F2AU038  |
| UNITS                    | ppbv     | ppbv     |
| Formaldehyde             | 2.67     | 2.83     |
| Acetaldehyde             | 1.38     | 1.52     |
| Acetone                  | 2.64     | 2.30     |
| Propionaldehyde          | 0.14     | 0.16     |
| Crotonaldehyde           | 0.03     | 0.03     |
| Butyr/Isobutyraldehyde   | 0.20     | 0.21     |
| Benzaldehyde             | 0.10     | 0.10     |
| Isovaleraldehyde         | ND       | ND       |
| Valeraldehyde            | 0.05     | 0.05     |
| Tolualdehydes            | 0.06     | 0.08     |
| Hexaldehyde              | 0.04     | 0.05     |
| 2,5-Dimethylbenzaldehyde | 0.02     | 0.02     |

# Grand Junction, Colorado (GJCO) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID                    | Q1FU037  | Q1GZ010  | F1HK034  | F1HK039  | VOID    | F1I#013  | Q1JQ051  | F1JZ033  |
|---------------------------------|----------|----------|----------|----------|---------|----------|----------|----------|
| ERG Sample ID                   | 20668 FB | 21287 FB | 21825 FB | 21831 FB | 22237   | 22582 FB | 22692    | 23002    |
| Date Sampled                    | 6/12/01  | 6/30/01  | 7/18/01  | 7/24/01  | 8/11/01 | 8/29/01  | 9/4/01   | 9/22/01  |
| Date Analyzed                   | 6/22/01  | 7/26/01  | 8/12/01  | 8/12/01  | VOID    | 9/29/01  | 10/18/01 | 10/27/01 |
| <b>Formaldehyde</b>             | 0.06     | 0.02     | 0.05     | 0.04     |         | 0.09     | 0.02     | 0.08     |
| <b>Acetaldehyde</b>             | 0.11     | 0.05     | 0.08     | 0.05     |         | 0.10     | 0.04     | 0.06     |
| <b>Acetone</b>                  | 0.18     | 0.15     | 0.13     | 0.13     |         | 0.29     | 0.25     | 0.22     |
| <b>Propionaldehyde</b>          | ND       | ND       | ND       | ND       |         | 0.00     | ND       | 0.01     |
| <b>Crotonaldehyde</b>           | ND       | ND       | ND       | ND       |         | ND       | ND       | ND       |
| <b>Butyraldehyde</b>            | ND       | ND       | 0.03     | 0.01     |         | 0.09     | ND       | 0.11     |
| <b>Benzaldehyde</b>             | ND       | ND       | 0.02     | 0.01     |         | 0.02     | ND       | 0.01     |
| <b>Isovaleraldehyde</b>         | ND       | ND       | 0.01     | ND       |         | ND       | ND       | ND       |
| <b>Valeraldehyde</b>            | ND       | ND       | 0.009    | ND       |         | 0.008    | ND       | 0.01     |
| <b>Tolualdehydes</b>            | ND       | ND       | 0.06     | 0.49     |         | 0.06     | ND       | 0.05     |
| <b>Hexaldehyde</b>              | 0.07     | 0.10     | 0.02     | 0.01     |         | 0.05     | 0.03     | 0.02     |
| <b>2,5-Dimethylbenzaldehyde</b> | ND       | ND       | ND       | ND       |         | ND       | ND       | ND       |

# Grand Junction, Colorado (GJCO) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | F1KH023 | F1KH027  | Q1KZ016  | Q1LL010  | F2AG058 | F2AN039  |
|--------------------------|---------|----------|----------|----------|---------|----------|
| ERG Sample ID            | 23297   | 23591    | 23960    | 24313    | 24547   | 24675    |
| Date Sampled             | 10/4/01 | 10/22/01 | 11/9/01  | 11/27/01 | 12/9/01 | 12/15/01 |
| Date Analyzed            | 11/9/01 | 11/9/01  | 11/26/01 | 12/12/01 | 1/9/02  | 1/15/02  |
| Formaldehyde             | 0.07    | 0.04     | 0.02     | 0.01     | 0.04    | 0.07     |
| Acetaldehyde             | 0.13    | 0.04     | 0.14     | 0.01     | 0.03    | 0.03     |
| Acetone                  | 0.23    | 0.19     | 0.21     | 0.18     | 0.29    | 0.29     |
| Propionaldehyde          | 0.01    | ND       | ND       | ND       | ND      | ND       |
| Crotonaldehyde           | ND      | ND       | ND       | ND       | ND      | ND       |
| Butyraldehyde            | 0.18    | 0.21     | 0.01     | ND       | 0.03    | 0.11     |
| Benzaldehyde             | 0.02    | 0.02     | ND       | ND       | 0.01    | 0.01     |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       | ND      | ND       |
| Valeraldehyde            | 0.01    | 0.01     | ND       | ND       | ND      | ND       |
| Tolualdehydes            | 0.06    | 0.13     | ND       | ND       | 0.01    | 0.01     |
| Hexaldehyde              | 0.02    | 0.02     | 0.03     | 0.01     | 0.02    | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND      | ND       | ND       | ND       | ND      | ND       |

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20139   | 20208 D1 | 20208 R1 | 20210 D2 | 20210 R2 | 20286   | 20400 D1 |
|--------------------------|---------|----------|----------|----------|----------|---------|----------|
| SAMPLE DATE              | 5/7/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/19/01 | 5/25/01  |
| ANALYSIS DATE            | 5/30/01 | 6/4/01   | 6/4/01   | 6/4/01   | 6/4/01   | 6/7/01  | 6/12/01  |
| FILE NAME                | Q1E#026 | Q1FD008  | Q1FD009  | Q1FD010  | Q1FD011  | Q1FG006 | Q1FK026  |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     |
| Formaldehyde             | 6.65    | 7.90     | 7.98     | 8.17     | 8.25     | 8.93    | 9.63     |
| Acetaldehyde             | 1.77    | 2.04     | 2.07     | 2.12     | 2.22     | 2.07    | 2.21     |
| Acetone                  | 6.09    | 6.40     | 6.49     | 6.72     | 6.82     | 6.49    | 9.60     |
| Propionaldehyde          | 0.24    | 0.48     | 0.49     | 0.53     | 0.57     | 0.22    | 0.22     |
| Crotonaldehyde           | 0.28    | 0.11     | 0.09     | 0.16     | 0.07     | 0.08    | ND       |
| Butyr/Isobutyraldehyde   | 0.25    | 0.23     | 0.22     | 0.26     | 0.22     | 0.21    | 0.20     |
| Benzaldehyde             | 0.09    | 0.15     | 0.18     | 0.14     | 0.17     | 0.21    | 0.14     |
| Isovaleraldehyde         | ND      | 0.01     | ND       | 0.02     | ND       | ND      | ND       |
| Valeraldehyde            | 0.13    | 0.09     | 0.11     | 0.07     | 0.07     | 0.08    | 0.19     |
| Tolualdehydes            | ND      | 0.16     | 0.17     | 0.10     | 0.07     | 0.17    | 0.22     |
| Hexaldehyde              | 0.60    | ND       | ND       | ND       | ND       | 0.66    | 0.71     |
| 2,5-Dimethylbenzaldehyde | ND      | 0.03     | 0.07     | 0.05     | 0.04     | 0.05    | 0.04     |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20400 R1 | 20402 D2 | 20402 R2 | 20509   | 20529 D1 | 20529 R1 | 20531 D2 |
|--------------------------|----------|----------|----------|---------|----------|----------|----------|
| SAMPLE DATE              | 5/25/01  | 5/25/01  | 5/25/01  | 5/31/01 | 6/6/01   | 6/6/01   | 6/6/01   |
| ANALYSIS DATE            | 6/12/01  | 6/12/01  | 6/12/01  | 6/19/01 | 6/29/01  | 6/29/01  | 6/29/01  |
| FILE NAME                | Q1FK027  | Q1FK028  | Q1FK029  | Q1FR018 | Q1F!024  | Q1F!025  | Q1F!026  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 10.64    | 8.16     | 8.30     | 8.40    | 6.02     | 6.31     | 5.01     |
| Acetaldehyde             | 2.41     | 2.17     | 2.20     | 2.55    | 1.99     | 2.11     | 1.70     |
| Acetone                  | 10.31    | 8.27     | 8.35     | 7.54    | 4.45     | 4.68     | 3.82     |
| Propionaldehyde          | 0.20     | 0.19     | 0.18     | 0.30    | 0.24     | 0.26     | 0.24     |
| Crotonaldehyde           | ND       | ND       | ND       | ND      | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.27     | 0.23     | 0.28     | 0.29    | 0.20     | 0.19     | 0.11     |
| Benzaldehyde             | 0.17     | 0.19     | 0.15     | 0.13    | 0.09     | 0.07     | 0.07     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.27     | 0.16     | 0.22     | 0.12    | 0.07     | 0.07     | 0.09     |
| Tolualdehydes            | 0.23     | 0.18     | 0.21     | 0.24    | 0.33     | 0.25     | 0.29     |
| Hexaldehyde              | 0.70     | 0.64     | 0.67     | 0.80    | 0.56     | 0.61     | 0.53     |
| 2,5-Dimethylbenzaldehyde | 0.06     | 0.02     | 0.02     | ND      | ND       | ND       | ND       |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20531 R2 | 20666   | 21030 D1 | 21030 R1 | 21032 D2 | 21032 R2 | 21211   |
|--------------------------|----------|---------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 6/6/01   | 6/12/01 | 6/18/01  | 6/18/01  | 6/18/01  | 6/18/01  | 6/24/01 |
| ANALYSIS DATE            | 6/29/01  | 6/22/01 | 7/12/01  | 7/12/01  | 7/12/01  | 7/12/01  | 7/18/01 |
| FILE NAME                | Q1F!027  | Q1FU036 | Q1GK024  | Q1GK025  | Q1GK026  | Q1GK027  | Q1GR011 |
| UNITS                    | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    |
| Formaldehyde             | 5.94     | 8.73    | 7.48     | 7.29     | 7.03     | 7.27     | 9.01    |
| Acetaldehyde             | 2.06     | 1.54    | 2.33     | 2.24     | 2.18     | 2.26     | 2.41    |
| Acetone                  | 4.52     | 4.34    | 4.86     | 4.80     | 4.61     | 4.68     | 4.01    |
| Propionaldehyde          | 0.25     | 0.15    | 0.25     | 0.26     | 0.25     | 0.23     | 0.20    |
| Crotonaldehyde           | ND       | 0.10    | 0.12     | 0.11     | 0.12     | 0.14     | ND      |
| Butyr/I sobutyraldehyde  | 0.18     | 0.19    | 0.20     | 0.21     | 0.22     | 0.22     | 0.22    |
| Benzaldehyde             | 0.09     | 0.10    | 0.12     | 0.16     | 0.17     | 0.13     | 0.26    |
| Isovaleraldehyde         | ND       | ND      | ND       | ND       | ND       | ND       | ND      |
| Valeraldehyde            | 0.10     | 0.07    | 0.13     | 0.14     | 0.15     | 0.13     | 0.05    |
| Tolualdehydes            | 0.29     | 0.27    | 0.14     | 0.12     | 0.38     | 0.41     | 0.17    |
| Hexaldehyde              | 0.59     | 0.69    | 0.78     | 0.81     | 0.78     | 0.90     | 1.14    |
| 2,5-Dimethylbenzaldehyde | ND       | ND      | ND       | ND       | ND       | ND       | ND      |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21295 D1 | 21295 R1 | 21297 D2 | 21297 R2 | 21566   | 21562 D1 | 21562 R1 |
|--------------------------|----------|----------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 6/30/01  | 6/30/01  | 6/30/01  | 6/30/01  | 7/6/01  | 7/12/01  | 7/12/01  |
| ANALYSIS DATE            | 7/26/01  | 7/26/01  | 7/26/01  | 7/26/01  | 7/27/01 | 7/27/01  | 7/27/01  |
| FILE NAME                | Q1GZ013  | Q1GZ014  | Q1GZ015  | Q1GZ016  | Q1G~014 | Q1G~022  | Q1G~023  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 10.15    | 9.54     | 10.86    | 10.81    | *14.00  | 12.35    | 11.33    |
| Acetaldehyde             | 2.14     | 2.04     | 2.12     | 2.09     | 2.54    | 1.68     | 1.54     |
| Acetone                  | 4.57     | 4.37     | 4.58     | 4.43     | 5.23    | 2.88     | 2.59     |
| Propionaldehyde          | 0.24     | 0.25     | 0.29     | 0.22     | 0.19    | 0.13     | 0.09     |
| Crotonaldehyde           | 0.22     | 0.26     | 0.22     | 0.21     | ND      | 0.09     | 0.11     |
| Butyr/Isobutyraldehyde   | 0.21     | 0.25     | 0.28     | 0.30     | 0.37    | 0.23     | 0.23     |
| Benzaldehyde             | 0.19     | 0.17     | 0.19     | 0.19     | 0.26    | 0.21     | 0.18     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | ND       | ND       |
| Valeraldehyde            | 0.15     | 1.09     | 0.14     | 0.19     | 0.30    | 0.10     | 0.08     |
| Tolualdehydes            | 0.20     | 0.08     | 0.25     | 0.24     | 0.13    | 0.17     | 0.16     |
| Hexaldehyde              | 0.99     | 0.91     | 1.06     | 1.02     | 1.38    | 0.95     | 0.84     |
| 2,5-Dimethylbenzaldehyde | 0.04     | 0.04     | 0.04     | 0.06     | ND      | 0.05     | 0.03     |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21564 D2 | 21564 R2 | 21829   | 21843 D1 | 21843 R1 | 21845 D2 | 21845 R2 |
|--------------------------|----------|----------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 7/12/01  | 7/12/01  | 7/18/01 | 7/24/01  | 7/24/01  | 7/24/01  | 7/24/01  |
| ANALYSIS DATE            | 7/27/01  | 7/27/01  | 8/12/01 | 8/12/01  | 8/12/01  | 8/12/01  | 8/12/01  |
| FILE NAME                | Q1G~024  | Q1G~025  | F1HK038 | F1HK045  | F1HK046  | F1HK047  | F1HK048  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 10.45    | 10.72    | 5.94    | 7.61     | 7.19     | 7.29     | 7.52     |
| Acetaldehyde             | 1.61     | 1.59     | 1.29    | 1.06     | 1.01     | 1.04     | 1.02     |
| Acetone                  | 2.65     | 2.77     | 2.59    | 1.88     | 1.75     | 1.70     | 1.72     |
| Propionaldehyde          | 0.08     | 0.11     | 0.15    | 0.19     | 0.17     | 0.05     | 0.05     |
| Crotonaldehyde           | 0.12     | 0.13     | 0.01    | 0.02     | 0.02     | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.22     | 0.22     | 0.13    | 0.14     | 0.15     | 0.16     | 0.17     |
| Benzaldehyde             | 0.16     | 0.17     | 0.23    | 0.11     | 0.11     | 0.12     | 0.11     |
| Isovaleraldehyde         | ND       | ND       | 0.02    | 0.28     | 0.27     | 0.31     | 0.30     |
| Valeraldehyde            | 0.11     | 0.11     | 0.03    | 0.04     | 0.04     | 0.04     | 0.04     |
| Tolualdehydes            | 0.16     | 0.16     | 0.10    | 0.07     | 0.09     | 0.11     | 0.14     |
| Hexaldehyde              | 0.87     | 0.85     | 0.16    | 0.11     | 0.10     | 0.15     | 0.16     |
| 2,5-Dimethylbenzaldehyde | 0.03     | 0.03     | ND      | ND       | ND       | ND       | ND       |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21954   | 22031 D1 | 22031 R1 | 22033 D2 | 22033 R2 | 22241   | 22353 D1 |
|--------------------------|---------|----------|----------|----------|----------|---------|----------|
| SAMPLE DATE              | 7/30/01 | 8/5/01   | 8/5/01   | 8/5/01   | 8/5/01   | 8/11/01 | 8/17/01  |
| ANALYSIS DATE            | 8/21/01 | 8/22/01  | 8/22/01  | 8/23/01  | 8/23/01  | 8/28/01 | 9/21/01  |
| FILE NAME                | F1HU015 | Q1HV016  | Q1HV017  | Q1HV019  | Q1HV020  | Q1H~026 | F1IT036  |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     |
| Formaldehyde             | 7.71    | *14.00   | 6.45     | 6.24     | 5.82     | 8.54    | 6.24     |
| Acetaldehyde             | 1.18    | 0.85     | 0.94     | 0.88     | 0.81     | 1.13    | 1.40     |
| Acetone                  | 1.45    | 1.56     | 1.46     | 1.57     | 1.48     | 1.71    | 2.71     |
| Propionaldehyde          | 0.05    | 0.08     | 0.06     | 0.07     | 0.08     | 0.06    | 0.10     |
| Crotonaldehyde           | 0.01    | 0.12     | 0.12     | 0.13     | 0.13     | 0.04    | 0.01     |
| Butyr/Isobutyraldehyde   | 0.11    | 0.13     | 0.13     | 0.12     | 0.14     | 0.15    | 0.26     |
| Benzaldehyde             | 0.14    | 0.10     | 0.10     | 0.12     | 0.09     | 0.15    | 0.09     |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       | ND       | ND      | ND       |
| Valeraldehyde            | 0.12    | 0.02     | 0.03     | 0.01     | 0.01     | 0.05    | 0.06     |
| Tolualdehydes            | 0.06    | 0.10     | 0.13     | 0.04     | 0.04     | 0.18    | 0.04     |
| Hexaldehyde              | 0.12    | 0.65     | 0.61     | 0.62     | 0.60     | 0.78    | 0.19     |
| 2,5-Dimethylbenzaldehyde | ND      | ND       | ND       | ND       | ND       | 0.04    | ND       |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22353 R1 | 22354 D2 | 22354 R2 | 22593   | 22595 D1 | 22595 R1 | 22596 D2 |
|--------------------------|----------|----------|----------|---------|----------|----------|----------|
| SAMPLE DATE              | 8/17/01  | 8/17/01  | 8/17/01  | 8/23/01 | 8/29/01  | 8/29/01  | 8/29/01  |
| ANALYSIS DATE            | 9/21/01  | 9/21/01  | 9/21/01  | 9/29/01 | 9/30/01  | 9/30/01  | 9/30/01  |
| FILE NAME                | F1IT037  | F1IT038  | F1IT039  | F1I#008 | F1I#026  | F1I#027  | F1I#028  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 6.22     | 7.22     | 7.01     | 6.98    | 3.43     | 3.96     | 3.70     |
| Acetaldehyde             | 1.37     | 1.46     | 1.33     | 1.25    | 0.69     | 0.82     | 0.80     |
| Acetone                  | 2.71     | 2.43     | 2.36     | 2.68    | 2.11     | 2.44     | 2.53     |
| Propionaldehyde          | 0.10     | 0.11     | 0.10     | 0.07    | 0.04     | 0.03     | 0.04     |
| Crotonaldehyde           | 0.01     | 0.02     | 0.02     | 0.02    | 0.01     | 0.01     | ND       |
| Butyr/Isobutyraldehyde   | 0.25     | 0.28     | 0.28     | 0.19    | 0.14     | 0.18     | 0.17     |
| Benzaldehyde             | 0.10     | 0.11     | 0.10     | 0.09    | 0.04     | 0.06     | 0.05     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.07     | 0.11     | 0.08     | 0.07    | 0.04     | 0.03     | 0.03     |
| Tolualdehydes            | 0.06     | 0.06     | 0.07     | 0.09    | 0.11     | 0.07     | 0.04     |
| Hexaldehyde              | 0.18     | 0.23     | 0.23     | 0.20    | 0.06     | 0.09     | 0.32     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND      | ND       | ND       | ND       |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22596 R2 | 22696    | 22808 D1 | 22808 R1 | 22810 D2 | 22810 R2 | 22897 D1 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 8/29/01  | 9/4/01   | 9/10/01  | 9/10/01  | 9/10/01  | 9/10/01  | 9/16/01  |
| ANALYSIS DATE            | 9/30/01  | 10/18/01 | 10/20/01 | 10/20/01 | 10/20/01 | 10/20/01 | 10/24/01 |
| FILE NAME                | F1I#029  | Q1JQ054  | F1JS036  | F1JS037  | F1JS038  | F1JS039  | Q1JX006  |
| UNITS                    | ppbv     |
| Formaldehyde             | 3.82     | 7.58     | 5.77     | 6.09     | 6.10     | 6.19     | 4.82     |
| Acetaldehyde             | 0.82     | 1.14     | 1.39     | 1.41     | 1.41     | 1.42     | 0.96     |
| Acetone                  | 2.61     | 3.82     | 2.87     | 2.99     | 2.96     | 2.99     | 2.53     |
| Propionaldehyde          | 0.05     | 0.06     | 0.13     | 0.13     | 0.14     | 0.14     | 0.05     |
| Crotonaldehyde           | ND       | 0.08     | 0.01     | 0.01     | 0.01     | 0.01     | 0.05     |
| Butyr/Isobutyraldehyde   | 0.10     | 0.10     | 0.23     | 0.25     | 0.27     | 0.27     | 0.09     |
| Benzaldehyde             | 0.06     | 0.14     | 0.07     | 0.06     | 0.06     | 0.07     | 0.05     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.03     | 0.06     | 0.08     | 0.09     | 0.09     | 0.09     | 0.03     |
| Tolualdehydes            | 0.04     | ND       | 0.05     | 0.06     | 0.06     | 0.06     | 0.04     |
| Hexaldehyde              | 0.34     | 0.67     | 0.12     | 0.11     | 0.14     | 0.14     | 0.40     |
| 2,5-Dimethylbenzaldehyde | ND       | 0.04     | ND       | ND       | ND       | ND       | 0.01     |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22897 R1 | 22899 D2 | 22899 R2 | 23047 D1 | 23047 R1 | 23050 D2 | 23050 R2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/16/01  | 9/16/01  | 9/16/01  | 9/22/01  | 9/22/01  | 9/22/01  | 9/22/01  |
| ANALYSIS DATE            | 10/24/01 | 10/24/01 | 10/24/01 | 10/26/01 | 10/26/01 | 10/26/01 | 10/26/01 |
| FILE NAME                | Q1JX007  | Q1JX008  | Q1JX009  | Q1JX056  | Q1JX057  | Q1JX058  | Q1JX059  |
| UNITS                    | ppbv     |
| Formaldehyde             | 4.76     | 4.96     | 4.79     | 5.63     | 5.86     | 6.11     | 5.92     |
| Acetaldehyde             | 0.95     | 1.00     | 0.97     | 1.44     | 1.48     | 1.48     | 1.45     |
| Acetone                  | 2.50     | 2.55     | 2.48     | 3.56     | 3.68     | 3.70     | 3.63     |
| Propionaldehyde          | 0.05     | 0.07     | 0.06     | 0.12     | 0.14     | 0.15     | 0.15     |
| Crotonaldehyde           | 0.06     | 0.07     | 0.06     | 0.06     | 0.06     | 0.07     | 0.06     |
| Butyr/Isobutyraldehyde   | 0.10     | 0.09     | 0.09     | 0.18     | 0.17     | 0.19     | 0.19     |
| Benzaldehyde             | 0.06     | 0.07     | 0.05     | 0.09     | 0.10     | 0.09     | 0.08     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | 0.003    | 0.0005u  | ND       |
| Valeraldehyde            | 0.02     | 0.02     | 0.02     | 0.03     | 0.04     | 0.06     | 0.07     |
| Tolualdehydes            | 0.04     | 0.05     | 0.03     | 0.08     | 0.09     | 0.09     | 0.10     |
| Hexaldehyde              | 0.38     | 0.41     | 0.39     | 0.48     | 0.45     | 0.50     | 0.50     |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.01     | 0.01     | 0.03     | 0.02     | 0.03     | 0.04     |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23236    | 23292 D1 | 23292 R1 | 23295 D2 | 23295 R2 | 23332    | 23467 D1 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/28/01  | 10/4/01  | 10/4/01  | 10/4/01  | 10/4/01  | 10/10/01 | 10/16/01 |
| ANALYSIS DATE            | 10/25/01 | 11/10/01 | 11/10/01 | 11/10/01 | 11/10/01 | 11/5/01  | 11/7/01  |
| FILE NAME                | Q1JX046  | F1KH079  | F1KH080  | F1KH081  | F1KH082  | F1KE013  | F1KE082  |
| UNITS                    | ppbv     |
| Formaldehyde             | 8.76     | 4.89     | 4.97     | 5.06     | 5.11     | 3.20     | 3.87     |
| Acetaldehyde             | 1.98     | 1.26     | 1.36     | 1.37     | 1.35     | 0.97     | 1.18     |
| Acetone                  | 4.58     | 3.16     | 3.21     | 3.20     | 3.19     | 2.57     | 2.82     |
| Propionaldehyde          | 0.18     | 0.11     | 0.11     | 0.12     | 0.12     | 0.09     | 0.13     |
| Crotonaldehyde           | 0.09     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.30     | 0.23     | 0.23     | 0.24     | 0.24     | 0.20     | 0.27     |
| Benzaldehyde             | 0.11     | 0.05     | 0.06     | 0.05     | 0.05     | 0.05     | 0.06     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | 0.01     | 0.002u   |
| Valeraldehyde            | 0.06     | 0.06     | 0.06     | 0.06     | 0.07     | 0.04     | 0.06     |
| Tolualdehydes            | 0.11     | 0.04     | 0.05     | 0.05     | 0.05     | 0.04     | 0.06     |
| Hexaldehyde              | 0.66     | 0.11     | 0.10     | 0.11     | 0.11     | 0.06     | 0.09     |
| 2,5-Dimethylbenzaldehyde | 0.05     | ND       | ND       | ND       | ND       | ND       | ND       |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23467 R1 | 23469 D2 | 23469 R2 | 23595    | 23678 D1 | 23678 R1 | 23680 D2 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/16/01 | 10/16/01 | 10/16/01 | 10/22/01 | 10/28/01 | 10/28/01 | 10/28/01 |
| ANALYSIS DATE            | 11/7/01  | 11/7/01  | 11/7/01  | 11/9/01  | 11/14/01 | 11/14/01 | 11/14/01 |
| FILE NAME                | F1KE083  | F1KE084  | F1KE085  | F1KH030  | F1KL056  | F1KL057  | F1KL058  |
| UNITS                    | ppbv     |
| Formaldehyde             | 3.87     | 4.07     | 4.07     | 3.68     | 4.77     | 4.82     | 4.79     |
| Acetaldehyde             | 1.18     | 0.97     | 1.15     | 1.07     | 2.14     | 2.14     | 2.17     |
| Acetone                  | 2.82     | 2.78     | 2.79     | 2.77     | 3.58     | 3.59     | 3.64     |
| Propionaldehyde          | 0.13     | 0.14     | 0.14     | 0.15     | 0.24     | 0.24     | 0.24     |
| Crotonaldehyde           | 0.01     | 0.02     | 0.01     | 0.02     | 0.03     | 0.03     | 0.03     |
| Butyr/I sobutyraldehyde  | 0.27     | 0.21     | 0.21     | 0.20     | 0.28     | 0.28     | 0.29     |
| Benzaldehyde             | 0.06     | 0.06     | 0.06     | 0.07     | 0.07     | 0.07     | 0.07     |
| Isovaleraldehyde         | 0.002u   | 0.002u   | 0.003    | 0.001u   | 0.04     | 0.03     | 0.03     |
| Valeraldehyde            | 0.06     | 0.06     | 0.06     | 0.06     | 0.08     | 0.09     | 0.08     |
| Tolualdehydes            | 0.06     | 0.06     | 0.06     | 0.05     | 0.07     | 0.07     | 0.06     |
| Hexaldehyde              | 0.09     | 0.09     | 0.09     | 0.08     | 0.10     | 0.10     | 0.11     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | 0.01     | 0.01     | 0.01     | 0.01     |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23680 R2 | 23789    | 23964 D1 | 23964 R1 | 23967 D2 | 23967 R2 | 24088    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/28/01 | 11/3/01  | 11/9/01  | 11/9/01  | 11/9/01  | 11/9/01  | 11/15/01 |
| ANALYSIS DATE            | 11/14/01 | 11/14/01 | 11/29/01 | 11/29/01 | 11/29/01 | 11/29/01 | 12/3/01  |
| FILE NAME                | F1KL059  | F1KL053  | F1K!047  | F1K!048  | F1K!049  | F1K!050  | F1LC012  |
| UNITS                    | ppbv     |
| Formaldehyde             | 4.80     | 5.37     | 5.80     | 5.60     | 5.30     | 5.12     | 5.53     |
| Acetaldehyde             | 2.17     | 1.44     | 1.20     | 1.21     | 1.17     | 1.14     | 1.45     |
| Acetone                  | 3.64     | 2.86     | 2.83     | 2.75     | 2.72     | 2.65     | 3.24     |
| Propionaldehyde          | 0.25     | 0.15     | 0.13     | 0.12     | 0.12     | 0.12     | 0.14     |
| Crotonaldehyde           | 0.03     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.28     | 0.25     | 0.20     | 0.20     | 0.20     | 0.19     | 0.25     |
| Benzaldehyde             | 0.07     | 0.07     | 0.07     | 0.06     | 0.06     | 0.06     | 0.07     |
| Isovaleraldehyde         | 0.02     | 0.01     | 0.01     | 0.02     | 0.02     | 0.02     | ND       |
| Valeraldehyde            | 0.08     | 0.08     | 0.06     | 0.06     | 0.06     | 0.06     | 0.08     |
| Tolualdehydes            | 0.07     | 0.08     | 0.08     | 0.08     | 0.07     | 0.06     | 0.06     |
| Hexaldehyde              | 0.11     | 0.12     | 0.14     | 0.11     | 0.11     | 0.11     | 0.11     |
| 2,5-Dimethylbenzaldehyde | 0.004    | 0.01     | ND       | ND       | 0.01     | 0.01     | ND       |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24143 D1 | 24143 R1 | 24145 D2 | 24145 R2 | 24319    | 24422 D1 | 24422 R1 |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 11/21/01 | 11/21/01 | 11/21/01 | 11/21/01 | 11/27/01 | 12/3/01  | 12/3/01  |
| ANALYSIS DATE            | 12/8/01  | 12/8/01  | 12/8/01  | 12/8/01  | 12/12/01 | 1/9/02   | 1/9/02   |
| FILE NAME                | F1LG021  | F1LG022  | F1LG023  | F1LG024  | Q1LL012  | F2AG063  | F2AG064  |
| UNITS                    | ppbv     |
| Formaldehyde             | 5.19     | 5.17     | 5.14     | 5.20     | 2.54     | 4.41     | 4.39     |
| Acetaldehyde             | 1.23     | 1.24     | 1.24     | 1.24     | 0.47     | 1.03     | 1.04     |
| Acetone                  | 2.47     | 2.45     | 2.46     | 2.47     | 2.20     | **18.65  | **18.30  |
| Propionaldehyde          | 0.13     | 0.12     | 0.12     | 0.12     | 0.06     | ND       | ND       |
| Crotonaldehyde           | 0.02     | 0.02     | 0.02     | 0.02     | 0.03     | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.21     | 0.21     | 0.21     | 0.21     | 0.04     | 0.16     | 0.16     |
| Benzaldehyde             | 0.08     | 0.08     | 0.08     | 0.08     | 0.03     | 0.06     | 0.06     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.07     | 0.06     | 0.07     | 0.06     | 0.01     | 0.05     | 0.05     |
| Tolualdehydes            | 0.06     | 0.08     | 0.07     | 0.07     | ND       | 0.04     | 0.05     |
| Hexaldehyde              | 0.09     | 0.09     | 0.09     | 0.09     | 0.13     | 0.07     | 0.07     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24424 D2 | 24424 R2 | 24551   | 24679 D1 | 24679 R1 | 24682 D2 | 24682 R2 |
|--------------------------|----------|----------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 12/3/01  | 12/3/01  | 12/9/01 | 12/15/01 | 12/15/01 | 12/15/01 | 12/15/01 |
| ANALYSIS DATE            | 1/9/02   | 1/9/02   | 1/9/02  | 1/15/02  | 1/15/02  | 1/15/02  | 1/15/02  |
| FILE NAME                | F2AG065  | F2AG066  | F2AG061 | F2AN047  | F2AN048  | F2AN049  | F2AN050  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 4.49     | 4.50     | 4.94    | 3.50     | 3.51     | 3.30     | 3.35     |
| Acetaldehyde             | 1.03     | 1.04     | 1.29    | 1.03     | 1.04     | 1.01     | 1.01     |
| Acetone                  | **18.41  | **18.40  | *6.36   | 2.17     | 2.19     | 2.11     | 2.12     |
| Propionaldehyde          | ND       | ND       | 0.12    | 0.09     | 0.10     | 0.10     | 0.09     |
| Crotonaldehyde           | 0.02     | 0.02     | 0.02    | 0.01     | 0.01     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.16     | 0.16     | 0.22    | 0.20     | 0.20     | 0.20     | 0.20     |
| Benzaldehyde             | 0.06     | 0.07     | 0.07    | 0.05     | 0.05     | 0.05     | 0.05     |
| Isovaleraldehyde         | ND       | ND       | ND      | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.04     | 0.05     | 0.07    | 0.04     | 0.04     | 0.04     | 0.04     |
| Tolualdehydes            | 0.07     | 0.05     | 0.05    | 0.03     | 0.03     | 0.03     | 0.03     |
| Hexaldehyde              | 0.09     | 0.08     | 0.14    | 0.06     | 0.06     | 0.06     | 0.06     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND      | ND       | ND       | ND       | ND       |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Junction, Colorado (G2CO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24789    | 24848 D1 | 24848 R1 | 24850 D2 | 24850 R2 |
|--------------------------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 12/21/01 | 12/27/01 | 12/27/01 | 12/27/01 | 12/27/01 |
| ANALYSIS DATE            | 1/18/02  | 1/22/02  | 1/22/02  | 1/22/02  | 1/22/02  |
| FILE NAME                | F2AR006  | F2AU050  | F2AU051  | F2AU052  | F2AU053  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 5.06     | 3.95     | 3.95     | 3.98     | 3.99     |
| Acetaldehyde             | 1.84     | 1.71     | 1.71     | 1.70     | 1.70     |
| Acetone                  | 3.33     | 2.67     | 2.69     | 2.68     | 2.69     |
| Propionaldehyde          | 0.18     | 0.16     | 0.17     | 0.17     | 0.17     |
| Crotonaldehyde           | 0.03     | 0.03     | 0.03     | 0.03     | 0.03     |
| Butyr/Isobutyraldehyde   | 0.19     | 0.26     | 0.26     | 0.27     | 0.26     |
| Benzaldehyde             | 0.10     | 0.08     | 0.08     | 0.08     | 0.08     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.08     | 0.06     | 0.06     | 0.06     | 0.06     |
| Tolualdehydes            | 0.07     | 0.06     | 0.07     | 0.07     | 0.07     |
| Hexaldehyde              | 0.09     | 0.06     | 0.06     | 0.07     | 0.07     |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.01     | 0.01     | 0.01     | 0.01     |

u - Concentration is below detection limit

\* - Compound diluted 2X

\*\* - Compound diluted 5X

# Grand Juction, Colorado (G2CO) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc. (total ug)

| Data File ID                    | Q1FK014  | Q1FU033  | Q1GZ012 | F1HK037  | F1HK044  | Q1H~027 | F1I#015  | F1I#016  |
|---------------------------------|----------|----------|---------|----------|----------|---------|----------|----------|
| ERG Sample ID                   | 20399 FB | 20665 FB | 21294   | 21828 FB | 21842 FB | 22240   | 22598 FB | 22599 FB |
| Date Sampled                    | 5/25/01  | 6/12/01  | 6/27/01 | 7/18/01  | 7/24/01  | 8/11/01 | 8/29/01  | 8/29/01  |
| Date Analyzed                   | 6/11/01  | 6/22/01  | 7/26/01 | 8/12/01  | 8/12/01  | 8/28/01 | 9/29/01  | 9/29/01  |
| <b>Formaldehyde</b>             | 0.06     | 0.04     | 0.01    | 0.03     | 0.03     | 0.04    | 0.05     | 0.09     |
| <b>Acetaldehyde</b>             | 0.06     | 0.06     | 0.06    | 0.04     | 0.05     | 0.07    | 0.07     | 0.08     |
| <b>Acetone</b>                  | 0.20     | 0.21     | 0.16    | 0.12     | 0.10     | 0.14    | 0.25     | 0.26     |
| <b>Propionaldehyde</b>          | ND       | ND       | ND      | ND       | ND       | ND      | 0.00     | ND       |
| <b>Crotonaldehyde</b>           | ND       | ND       | ND      | ND       | ND       | ND      | ND       | ND       |
| <b>Butyraldehyde</b>            | ND       | ND       | ND      | 0.05     | 0.02     | ND      | 0.08     | 0.08     |
| <b>Benzaldehyde</b>             | ND       | ND       | ND      | 0.01     | 0.01     | ND      | 0.01     | 0.01     |
| <b>Isovaleraldehyde</b>         | ND       | ND       | ND      | 0.01     | 0.00     | ND      | ND       | ND       |
| <b>Valeraldehyde</b>            | ND       | ND       | ND      | 0.007    | ND       | ND      | 0.096    | 0.007    |
| <b>Tolualdehydes</b>            | ND       | 0.06     | ND      | 0.41     | 0.04     | ND      | 0.01     | 0.08     |
| <b>Hexaldehyde</b>              | ND       | 0.03     | ND      | 0.04     | ND       | 0.05    | 0.02     | 0.04     |
| <b>2,5-Dimethylbenzaldehyde</b> | ND       | ND       | ND      | ND       | ND       | ND      | ND       | ND       |

# Grand Juction, Colorado (G2CO) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc. (total ug)

| Data File ID                    | Q1JQ053  | Q1JX035  | Q1JX036  | F1KH021 | F1KH022 | F1KH029  | F1K!006  | F1K!007  |
|---------------------------------|----------|----------|----------|---------|---------|----------|----------|----------|
| ERG Sample ID                   | 22695    | 23046    | 23049    | 23291   | 23294   | 23594    | 23963    | 23966    |
| Date Sampled                    | 9/4/01   | 9/22/01  | 9/22/01  | 10/4/01 | 10/4/01 | 10/22/01 | 11/9/01  | 11/9/01  |
| Date Analyzed                   | 10/18/01 | 10/25/01 | 10/25/01 | 11/9/01 | 11/9/01 | 11/9/01  | 11/28/01 | 11/28/01 |
| <b>Formaldehyde</b>             | 0.01     | 0.02     | 0.03     | 0.04    | 0.05    | 0.05     | 0.09     | 0.04     |
| <b>Acetaldehyde</b>             | 0.09     | 0.09     | 0.01     | 0.06    | 0.16    | 0.12     | 0.06     | 0.06     |
| <b>Acetone</b>                  | 0.29     | 0.22     | 0.22     | 0.21    | 0.24    | 0.22     | 0.21     | 0.19     |
| <b>Propionaldehyde</b>          | ND       | ND       | ND       | ND      | 0.01    | 0.01     | 0.01     | 0.06     |
| <b>Crotonaldehyde</b>           | ND       | ND       | ND       | ND      | ND      | ND       | ND       | ND       |
| <b>Butyraldehyde</b>            | ND       | ND       | ND       | 0.17    | 0.23    | 0.20     | 0.07     | 0.06     |
| <b>Benzaldehyde</b>             | 0.03     | 0.001    | ND       | 0.02    | 0.01    | 0.01     | 0.02     | 0.01     |
| <b>Isovaleraldehyde</b>         | ND       | ND       | ND       | ND      | ND      | ND       | ND       | ND       |
| <b>Valeraldehyde</b>            | ND       | ND       | ND       | 0.01    | 0.02    | 0.02     | 0.01     | 0.02     |
| <b>Tolualdehydes</b>            | 2.38     | 0.27     | ND       | 0.05    | 0.05    | 0.09     | 0.06     | 0.04     |
| <b>Hexaldehyde</b>              | 0.07     | 0.02     | 0.03     | 0.02    | 0.03    | 0.03     | 0.02     | 0.02     |
| <b>2,5-Dimethylbenzaldehyde</b> | ND       | ND       | ND       | ND      | ND      | ND       | ND       | ND       |

# Grand Juction, Colorado (G2CO) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc. (total ug)

| Data File ID             | Q1LL011  | F2AG060 | F2AN041  | F2AN042  |
|--------------------------|----------|---------|----------|----------|
| ERG Sample ID            | 24318    | 24550   | 24678    | 24681    |
| Date Sampled             | 11/27/01 | 12/9/01 | 12/15/01 | 12/15/01 |
| Date Analyzed            | 12/12/01 | 1/9/02  | 1/15/02  | 1/15/02  |
|                          |          |         |          |          |
| Formaldehyde             | 0.01     | 0.04    | 0.04     | 0.06     |
| Acetaldehyde             | 0.01     | 0.09    | 0.06     | 0.06     |
| Acetone                  | 0.20     | 0.53    | 0.29     | 0.29     |
| Propionaldehyde          | ND       | ND      | ND       | ND       |
| Crotonaldehyde           | ND       | ND      | ND       | ND       |
| Butyraldehyde            | ND       | 0.04    | 0.11     | 0.12     |
| Benzaldehyde             | ND       | 0.02    | 0.01     | 0.01     |
| Isovaleraldehyde         | ND       | ND      | ND       | ND       |
| Valeraldehyde            | ND       | ND      | 0.01     | 0.01     |
| Tolualdehydes            | ND       | 0.01    | 0.01     | 0.01     |
| Hexaldehyde              | 0.04     | 0.02    | 0.02     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND      | ND       | ND       |

# Gulfport, Mississippi (GPMS) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22321   | 22412   | 22551   | 22725   | 22982    | 23269    | 23479    | 23706    |
|--------------------------|---------|---------|---------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 8/17/01 | 8/23/01 | 8/29/01 | 9/10/01 | 9/22/01  | 10/4/01  | 10/16/01 | 10/28/01 |
| ANALYSIS DATE            | 9/20/01 | 9/29/01 | 9/29/01 | 9/28/01 | 10/26/01 | 11/10/01 | 11/6/01  | 11/13/01 |
| FILE NAME                | F1IT012 | F1I~056 | F1I~052 | Q1IZ053 | F1JZ014  | F1KH064  | F1KE053  | F1KL020  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 5.66    | 6.08    | 3.77    | 6.46    | 6.49     | 4.11     | 3.45     | 3.26     |
| Acetaldehyde             | 1.23    | 1.56    | 0.74    | 1.14    | 1.59     | 1.19     | 1.05     | 1.35     |
| Acetone                  | 0.32    | 0.65    | 0.27    | 0.43    | 1.19     | 0.43     | 1.04     | 1.56     |
| Propionaldehyde          | 0.09    | 0.16    | 0.07    | 0.12    | 0.12     | 0.10     | 0.06     | 0.07     |
| Crotonaldehyde           | ND      | ND      | ND      | 0.26    | 0.005    | 0.004    | 0.005    | 0.01     |
| Butyr/Isobutyraldehyde   | 0.20    | 0.15    | 0.11    | 0.10    | 0.14     | 0.11     | 0.13     | 0.10     |
| Benzaldehyde             | 0.06    | 0.06    | 0.05    | 0.06    | 0.07     | 0.06     | 0.03     | 0.04     |
| Isovaleraldehyde         | ND      | ND      | ND      | ND      | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.03    | 0.07    | 0.03    | 0.01    | 0.07     | 0.04     | 0.03     | 0.03     |
| Tolualdehydes            | 0.05    | 0.07    | 0.02    | 0.03    | 0.08     | 0.04     | 0.02     | 0.03     |
| Hexaldehyde              | 0.07    | 0.09    | 0.05    | 0.30    | 0.08     | 0.05     | 0.04     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | ND      | ND       | 0.002u   | ND       | ND       |

u - Concentration is below the detection limit.

1 of 2

# Gulfport, Mississippi (GPMS) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23958    | 24123    | 24426   | 24652    | 24921    |
|--------------------------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 11/9/01  | 11/21/01 | 12/3/01 | 12/15/01 | 12/27/01 |
| ANALYSIS DATE            | 11/26/01 | 12/7/01  | 1/7/02  | 1/17/02  | 1/22/02  |
| FILE NAME                | Q1KZ015  | F1LG010  | F2AG012 | Q2AQ005  | F2AU025  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 4.67     | 2.52     | 3.41    | 4.22     | 3.24     |
| Acetaldehyde             | 1.68     | 1.05     | 1.14    | 1.15     | 1.08     |
| Acetone                  | 1.76     | 1.97     | 1.63    | 0.39     | 1.18     |
| Propionaldehyde          | 0.15     | 0.10     | 0.09    | 0.09     | 0.07     |
| Crotonaldehyde           | 0.07     | 0.012    | 0.005   | ND       | 0.005    |
| Butyr/Isobutyraldehyde   | 0.11     | 0.12     | 0.12    | 0.06     | 0.08     |
| Benzaldehyde             | 0.07     | 0.05     | 0.08    | 0.04     | 0.03     |
| Isovaleraldehyde         | ND       | ND       | ND      | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.04     | 0.04    | 0.01     | 0.02     |
| Tolualdehydes            | 0.05     | 0.03     | 0.03    | 0.02     | 0.03     |
| Hexaldehyde              | 0.36     | 0.04     | 0.04    | 0.19     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND      | ND       | ND       |

u - Concentration is below the detection limit.

2 of 2

# Gulfport, Mississippi (GPMS) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1I~051  | F1JZ013  | F1KH063  | Q1KZ014  | Q2AQ004  |
|--------------------------|----------|----------|----------|----------|----------|
| FB ID                    | 22550 FB | 22981 FB | 23268 FB | 23957 FB | 24651 FB |
| Sample Date              | 8/29/01  | 9/22/01  | 10/4/01  | 11/9/01  | 12/15/01 |
| Date Analyzed            | 9/29/01  | 10/26/01 | 11/10/01 | 11/26/01 | 1/17/02  |
|                          |          |          |          |          |          |
| Formaldehyde             | 0.033    | 0.066    | 0.045    | 0.002    | 0.013    |
| Acetaldehyde             | 0.061    | 0.144    | 0.094    | 0.051    | 0.021    |
| Acetone                  | 0.263    | 0.241    | 0.219    | 0.160    | 0.267    |
| Propionaldehyde          | 0.001    | 0.013    | 0.007    | ND       | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND       |
| Butyraldehyde            | 0.069    | 0.152    | 0.270    | ND       | ND       |
| Benzaldehyde             | 0.009    | 0.012    | 0.015    | ND       | ND       |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.005    | ND       | 0.012    | ND       | ND       |
| Tolualdehydes            | 0.019    | 0.071    | ND       | ND       | ND       |
| Hexaldehyde              | 0.015    | 0.026    | 0.019    | 0.029    | 0.022    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       |

# Jackson, Mississippi (JAMS) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21774    | 22007  | 22311   | 22424   | 22542   | 22714   | 22973    | 23275   |
|--------------------------|----------|--------|---------|---------|---------|---------|----------|---------|
| SAMPLE DATE              | 7/24/01  | 8/5/01 | 8/17/01 | 8/23/01 | 8/29/01 | 9/10/01 | 9/22/01  | 10/4/01 |
| ANALYSIS DATE            | 8/15/01  | VOID   | VOID    | 9/29/01 | 9/28/01 | 9/27/01 | 10/26/01 | 11/8/01 |
| FILE NAME                | *F1HN030 | VOID   | VOID    | F1I~061 | F1I~045 | Q1IZ047 | F1JZ008  | F1KH011 |
| UNITS                    | ppbv     | ppbv   | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv    |
| Formaldehyde             | 9.74     |        |         | 7.44    | 4.33    | 5.38    | 5.40     | 4.25    |
| Acetaldehyde             | 1.38     |        |         | 1.56    | 0.92    | 1.41    | 1.52     | 1.22    |
| Acetone                  | 0.17     |        |         | 1.04    | 0.42    | 0.77    | 1.10     | 1.01    |
| Propionaldehyde          | 0.18     |        |         | 0.11    | 0.08    | 0.16    | 0.13     | 0.09    |
| Crotonaldehyde           | ND       |        |         | 0.45    | ND      | 0.29    | 0.008    | 0.004   |
| Butyr/Isobutyraldehyde   | 0.32     |        |         | 0.44    | 0.14    | 0.10    | 0.17     | 0.13    |
| Benzaldehyde             | 0.13     |        |         | 0.06    | 0.05    | 0.04    | 0.07     | 0.04    |
| Isovaleraldehyde         | ND       |        |         | 0.11    | ND      | ND      | ND       | ND      |
| Valeraldehyde            | 0.04     |        |         | 0.06    | 0.02    | 0.04    | 0.05     | 0.04    |
| Tolualdehydes            | 0.13     |        |         | 0.09    | 0.04    | 0.04    | 0.08     | 0.04    |
| Hexaldehyde              | 0.14     |        |         | 0.04    | 0.02    | 0.21    | 0.05     | 0.04    |
| 2,5-Dimethylbenzaldehyde | ND       |        |         | ND      | ND      | ND      | ND       | ND      |

u - Concentration is below the detection limit.

\* - Sample diluted 10X due to high moisture content in the cartridge.

# Jackson, Mississippi (JAMS) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23481    | 23708    | 23865    | 23955    | 24127    | 24428   | 24646    | 24842    |
|--------------------------|----------|----------|----------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 10/16/01 | 10/28/01 | 11/3/01  | 11/11/01 | 11/21/01 | 12/3/01 | 12/15/01 | 12/27/01 |
| ANALYSIS DATE            | 11/6/01  | 11/13/01 | 11/20/01 | VOID     | 12/7/01  | 1/7/02  | 1/10/02  | 1/22/02  |
| FILE NAME                | F1KE054  | F1KL021  | F1KT014  | VOID     | F1LG012  | F2AG013 | Q2AJ018  | F2AU035  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 3.01     | 3.11     | 3.37     |          | 3.17     | 2.63    | 3.94     | 3.91     |
| Acetaldehyde             | 1.17     | 1.43     | 1.37     |          | 1.79     | 1.37    | 1.21     | 1.39     |
| Acetone                  | 1.44     | 1.87     | 1.23     |          | 2.07     | 2.31    | 1.49     | 1.67     |
| Propionaldehyde          | 0.08     | 0.11     | 0.12     |          | 0.17     | 0.14    | 0.10     | 0.16     |
| Crotonaldehyde           | 0.005    | 0.01     | 0.01     |          | 0.02     | 0.02    | 0.03     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.18     | 0.17     | 0.15     |          | 0.20     | 0.14    | 0.07     | 0.17     |
| Benzaldehyde             | 0.03     | 0.04     | 0.04     |          | 0.07     | 0.06    | 0.03     | 0.04     |
| Isovaleraldehyde         | ND       | ND       | ND       |          | ND       | ND      | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.04     | 0.06     |          | 0.06     | 0.05    | 0.01     | 0.04     |
| Tolualdehydes            | 0.04     | 0.04     | 0.04     |          | 0.06     | 0.04    | ND       | 0.07     |
| Hexaldehyde              | 0.03     | 0.03     | 0.06     |          | 0.04     | 0.06    | 0.14     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       |          | ND       | ND      | ND       | ND       |

u - Concentration is below the detection limit.

\* - Sample diluted 10X due to high moisture content in the cartridge.

# Jackson, Mississippi (JAMS) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1HN029  | F1I~044  | F1JZ007  | F1KH010  | Q1KZ013  | Q2AJ017  |
|--------------------------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 21773 FB | 22541 FB | 22972 FB | 23274 FB | 23954 FB | 24645 FB |
| Sample Date              | 7/24/01  | 8/29/01  | 9/22/01  | 10/4/01  | 11/11/01 | 12/15/01 |
| Date Analyzed            | 8/15/01  | 9/28/01  | 10/26/01 | 11/8/01  | 11/26/01 | 1/10/02  |
| Formaldehyde             | 0.034    | 0.040    | 0.068    | 0.118    | 0.012    | 0.004    |
| Acetaldehyde             | 0.088    | 0.113    | 0.090    | 0.068    | 0.088    | 0.005    |
| Acetone                  | 0.117    | 0.282    | 0.231    | 0.237    | 0.175    | 0.275    |
| Propionaldehyde          | ND       | 0.002    | 0.006    | 0.012    | ND       | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND       | ND       |
| Butyraldehyde            | 0.020    | 0.075    | 0.098    | 0.172    | ND       | ND       |
| Benzaldehyde             | 0.012    | 0.011    | 0.017    | 0.021    | 0.028    | ND       |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.011    | 0.004    | 0.010    | 0.013    | ND       | ND       |
| Tolualdehydes            | 0.031    | 0.081    | 0.052    | 0.101    | ND       | ND       |
| Hexaldehyde              | 0.035    | 0.023    | 0.024    | 0.022    | 0.160    | 0.047    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | ND       |

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19035    | 19039  | 19065   | 19130   | 19172   | 19201   | 19269   | 19323 D1 |
|--------------------------|----------|--------|---------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 1/1/01   | 1/7/01 | 1/13/01 | 1/19/01 | 1/25/01 | 1/31/01 | 2/6/01  | 2/12/01  |
| ANALYSIS DATE            | 1/31/01  | VOID   | 2/6/01  | 2/7/01  | 2/9/01  | 2/14/01 | 2/28/01 | 3/6/01   |
| FILE NAME                | Q1A\$029 | VOID   | Q1BF010 | Q1BF021 | Q1BH030 | Q1BM024 | Q1B~021 | Q1CE020  |
| UNITS                    | ppbv     | ppbv   | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     |
| Formaldehyde             | 1.78     |        | 1.14    | 1.57    | 1.28    | 1.66    | 1.75    | 1.97     |
| Acetaldehyde             | 1.38     |        | 0.61    | 0.76    | 0.69    | 0.73    | 1.12    | 0.74     |
| Acetone                  | 1.43     |        | 0.89    | 0.21    | 1.95    | 0.30    | 1.73    | 0.25     |
| Propionaldehyde          | 0.16     |        | 0.09    | 0.04    | 0.08    | 0.05    | 0.17    | 0.06     |
| Crotonaldehyde           | 0.06     |        | ND      | ND      | 0.03    | 0.03    | 0.05    | 0.03     |
| Butyr/Isobutyraldehyde   | 0.12     |        | 0.04    | 0.04    | 0.04    | 0.03    | 0.10    | 0.02     |
| Benzaldehyde             | 0.03     |        | 0.02    | 0.02    | 0.02    | 0.03    | 0.04    | 0.05     |
| Isovaleraldehyde         | ND       |        | ND      | 0.01    | 0.01    | ND      | ND      | ND       |
| Valeraldehyde            | 0.03     |        | 0.01    | 0.02    | 0.02    | ND      | 0.02    | 0.01     |
| Tolualdehydes            | 0.14     |        | ND      | ND      | 0.03    | ND      | 0.04    | 0.03     |
| Hexaldehyde              | 0.12     |        | 0.10    | 0.19    | ND      | 0.17    | ND      | ND       |
| 2,5-Dimethylbenzaldehyde | 0.01     |        | ND      | ND      | 0.01    | 0.02    | 0.03    | ND       |

u - Concentration is below the detection limit.

1 of 11

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19323 R1 | 19324 D2 | 19324 R2 | 19361 D1 | 19361 R1 | 19362 D2 | 19362 R2 | 19423   |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 2/12/01  | 2/12/01  | 2/12/01  | 2/18/01  | 2/18/01  | 2/18/01  | 2/18/01  | 2/24/01 |
| ANALYSIS DATE            | 3/6/01   | 3/6/01   | 3/6/01   | 3/14/01  | 3/14/01  | 3/14/01  | 3/14/01  | 4/9/01  |
| FILE NAME                | Q1CE021  | Q1CE022  | Q1CE023  | Q1CN009  | Q1CN010  | Q1CN011  | Q1CN012  | F1DI008 |
| UNITS                    | ppbv     | ppbv    |
| Formaldehyde             | 1.90     | 1.97     | 1.97     | 1.69     | 1.68     | 1.68     | 1.66     | 1.92    |
| Acetaldehyde             | 0.72     | 0.74     | 0.72     | 0.68     | 0.69     | 0.66     | 0.65     | 1.19    |
| Acetone                  | 0.26     | 0.29     | 0.28     | 0.85     | 0.85     | 0.87     | 0.86     | 0.34    |
| Propionaldehyde          | 0.09     | 0.05     | 0.05     | 0.05     | 0.05     | 0.05     | 0.05     | 0.04    |
| Crotonaldehyde           | 0.02     | 0.03     | 0.03     | 0.04     | 0.04     | 0.04     | 0.04     | ND      |
| Butyr/Isobutyraldehyde   | 0.02     | 0.06     | 0.03     | 0.02     | 0.02     | 0.02     | 0.03     | 0.04    |
| Benzaldehyde             | 0.05     | 0.04     | 0.05     | 0.03     | 0.03     | 0.02     | 0.03     | 0.04    |
| Isovaleraldehyde         | ND       | ND       | 0.003    | ND       | ND       | ND       | ND       | ND      |
| Valeraldehyde            | 0.02     | 0.01     | 0.01     | ND       | ND       | ND       | ND       | 0.01    |
| Tolualdehydes            | 0.04     | 0.07     | 0.03     | ND       | ND       | ND       | ND       | 0.04    |
| Hexaldehyde              | ND       | 0.03    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.01     | 0.02     | 0.02     | 0.01     | 0.01     | ND      |

u - Concentration is below the detection limit.

2 of 11

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19460   | 19519   | 19550   | 19586   | 19708    | 19752    | 19773   | 19814   |
|--------------------------|---------|---------|---------|---------|----------|----------|---------|---------|
| SAMPLE DATE              | 3/2/01  | 3/8/01  | 3/14/01 | 3/20/01 | 3/26/01  | 4/1/01   | 4/7/01  | 4/13/01 |
| ANALYSIS DATE            | 4/17/01 | 4/12/01 | 4/18/01 | 4/19/01 | 5/1/01   | 5/1/01   | 5/8/01  | 5/16/01 |
| FILE NAME                | F1DP012 | F1DI047 | F1DP049 | F1DS013 | F1D\$016 | F1D\$038 | F1EG012 | Q1EO019 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 1.61    | 1.85    | 1.70    | 1.03    | 1.42     | 1.41     | 2.16    | 2.60    |
| Acetaldehyde             | 0.94    | 1.08    | 0.88    | 0.45    | 0.63     | 0.63     | 0.79    | 0.96    |
| Acetone                  | 0.30    | 2.05    | 0.61    | 0.67    | 1.36     | 1.10     | 0.47    | 0.30    |
| Propionaldehyde          | 0.07    | 0.11    | 0.07    | ND      | 0.03     | 0.03     | 0.03    | 0.06    |
| Crotonaldehyde           | ND      | 0.01    | 0.003   | ND      | ND       | ND       | ND      | 0.081   |
| Butyr/Isobutyraldehyde   | 0.06    | 0.12    | 0.07    | 0.04    | ND       | 0.05     | 0.06    | 0.05    |
| Benzaldehyde             | 0.03    | 0.05    | 0.04    | 0.02    | 0.01     | 0.02     | 0.05    | 0.03    |
| Isovaleraldehyde         | ND      | ND      | ND      | ND      | ND       | ND       | ND      | 0.0003u |
| Valeraldehyde            | 0.03    | 0.03    | 0.02    | 0.01    | 0.01     | 0.02     | 0.03    | ND      |
| Tolualdehydes            | 0.01    | 0.06    | 0.03    | 0.003   | 0.02     | 0.004    | 0.02    | 0.02    |
| Hexaldehyde              | 0.03    | 0.09    | 0.07    | 0.02    | 0.03     | 0.02     | 0.04    | 0.34    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.0003u | 0.001   | ND      | 0.0004u  | ND       | ND      | ND      |

u - Concentration is below the detection limit.

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19889   | 19929   | 20006  | 20054   | 20126 D1 | 20126 R1 | 20127 D2 | 20127 R2 |
|--------------------------|---------|---------|--------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 4/19/01 | 4/25/01 | 5/1/01 | 5/7/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/13/01  |
| ANALYSIS DATE            | 5/18/01 | 5/18/01 | VOID   | 5/18/01 | 7/26/01  | 7/26/01  | 7/26/01  | 7/26/01  |
| FILE NAME                | Q1EQ013 | Q1EQ022 | VOID   | F1EQ024 | F1GZ020  | F1GZ021  | F1GZ022  | F1GZ023  |
| UNITS                    | ppbv    | ppbv    | ppbv   | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 2.32    | 2.19    |        | 3.39    | 3.67     | 3.72     | 3.70     | 3.64     |
| Acetaldehyde             | 1.00    | 0.73    |        | 1.01    | 1.26     | 1.31     | 1.33     | 1.37     |
| Acetone                  | 1.70    | 0.36    |        | 0.85    | 0.96     | 0.97     | 1.01     | 1.06     |
| Propionaldehyde          | 0.10    | 0.04    |        | 0.04    | 0.004    | 0.004    | 0.03     | 0.03     |
| Crotonaldehyde           | 0.089   | 0.052   |        | ND      | 0.004    | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | 0.05    | 0.02    |        | 0.09    | 0.04     | 0.03     | 0.05     | 0.03     |
| Benzaldehyde             | 0.04    | 0.04    |        | 0.09    | 0.04     | 0.04     | 0.05     | 0.05     |
| Isovaleraldehyde         | 0.01    | 0.002u  |        | ND      | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.01    | ND      |        | 0.04    | 0.02     | 0.02     | 0.01     | 0.01     |
| Tolualdehydes            | 0.02    | 0.02    |        | 0.04    | 0.03     | 0.05     | 0.04     | 0.04     |
| Hexaldehyde              | 0.29    | 0.29    |        | 0.04    | 0.04     | 0.06     | 0.05     | 0.05     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      |        | 0.001u  | ND       | ND       | 0.06     | ND       |

u - Concentration is below the detection limit.

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20244 D1 | 20244 R1 | 20245 D2 | 20245 R2 | 20379   | 20444   | 20515   | 20607   |
|--------------------------|----------|----------|----------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/19/01  | 5/19/01  | 5/19/01  | 5/19/01  | 5/25/01 | 5/31/01 | 6/6/01  | 6/12/01 |
| ANALYSIS DATE            | 6/15/01  | 6/15/01  | 6/15/01  | 6/15/01  | 6/15/01 | 6/20/01 | 6/28/01 | 6/29/01 |
| FILE NAME                | F1FN042  | F1FN043  | F1FN044  | F1FN045  | F1FN036 | F1FT006 | F1F!007 | F1F!016 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 4.04     | 3.85     | 3.79     | 3.67     | 4.63    | 4.58    | 3.69    | 3.07    |
| Acetaldehyde             | 1.50     | 1.43     | 1.36     | 1.32     | 1.34    | 1.22    | 0.95    | 0.79    |
| Acetone                  | 1.48     | 1.38     | 1.28     | 1.22     | 0.68    | 0.62    | 0.45    | 0.39    |
| Propionaldehyde          | 0.13     | 0.12     | 0.11     | 0.09     | 0.03    | 0.07    | 0.05    | 0.04    |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | 0.002u  | ND      | ND      | ND      |
| Butyr/Isobutyraldehyde   | 0.14     | 0.14     | 0.12     | 0.12     | 0.02    | 0.08    | 0.03    | 0.07    |
| Benzaldehyde             | 0.07     | 0.05     | 0.06     | 0.05     | 0.06    | 0.06    | 0.06    | 0.07    |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | 0.24    | ND      | ND      |
| Valeraldehyde            | 0.05     | 0.04     | 0.03     | 0.03     | 0.01    | 0.03    | 0.04    | 0.02    |
| Tolualdehydes            | 0.04     | 0.08     | 0.05     | 0.04     | 0.05    | 0.05    | 0.06    | 0.06    |
| Hexaldehyde              | 0.10     | 0.13     | 0.11     | 0.11     | 0.04    | 0.06    | 0.05    | 0.02    |
| 2,5-Dimethylbenzaldehyde | 0.005    | 0.005    | 0.011    | 0.020    | 0.021   | ND      | 0.003u  | ND      |

u - Concentration is below the detection limit.

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21048 D1 | 21048 R1 | 21049 D2 | 21049 R2 | 21200   | 21420   | 21481   | 21652   |
|--------------------------|----------|----------|----------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 6/24/01  | 6/24/01  | 6/24/01  | 6/24/01  | 6/30/01 | 7/6/01  | 7/12/01 | 7/18/01 |
| ANALYSIS DATE            | 7/24/01  | 7/24/01  | 7/24/01  | 7/24/01  | 7/24/01 | 7/29/01 | 8/1/01  | 8/6/01  |
| FILE NAME                | Q1GW036  | Q1GW037  | Q1GW038  | Q1GW039  | Q1GW050 | F1G#009 | F1HA006 | F1HF009 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 3.18     | 3.60     | 3.67     | 3.51     | 2.51    | 3.34    | 2.23    | 2.71    |
| Acetaldehyde             | 0.96     | 1.16     | 1.11     | 1.10     | 0.73    | 0.80    | 0.63    | 0.83    |
| Acetone                  | 0.85     | 0.97     | 1.06     | 1.01     | 0.23    | 0.37    | 0.20    | 0.24    |
| Propionaldehyde          | 0.13     | 0.15     | 0.20     | 0.18     | 0.05    | 0.03    | 0.05    | 0.06    |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND      | ND      | ND      | 0.002   |
| Butyr/Isobutyraldehyde   | 0.05     | 0.06     | 0.06     | 0.06     | 0.01    | 0.03    | 0.26    | 0.20    |
| Benzaldehyde             | 0.04     | 0.02     | 0.04     | 0.05     | 0.03    | 0.03    | 0.03    | 0.04    |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | 0.11    | ND      | 0.0003u |
| Valeraldehyde            | 0.03     | 0.03     | 0.01     | 0.02     | 0.004   | 0.02    | ND      | 0.01    |
| Tolualdehydes            | 0.08     | 0.06     | 0.04     | 0.07     | ND      | 0.05    | 0.03    | 0.05    |
| Hexaldehyde              | 0.28     | 0.32     | 0.34     | 0.29     | 0.33    | 0.03    | 0.02    | 0.03    |
| 2,5-Dimethylbenzaldehyde | ND       | 0.004    | ND       | ND       | ND      | ND      | ND      | ND      |

u - Concentration is below the detection limit.

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21724   | 21811   | 22049   | 22204   | 22324 D1 | 22324 R1 | 22325 D2 | 22325 R2 |
|--------------------------|---------|---------|---------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 7/24/01 | 7/30/01 | 8/5/01  | 8/11/01 | 8/17/01  | 8/17/01  | 8/17/01  | 8/17/01  |
| ANALYSIS DATE            | 8/15/01 | 8/15/01 | 8/28/01 | 9/12/01 | 9/13/01  | 9/13/01  | 9/13/01  | 9/13/01  |
| FILE NAME                | F1HN015 | F1HN020 | F1H~014 | Q1IL013 | Q1IL028  | Q1IL029  | Q1IL030  | Q1IL031  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 2.40    | 3.23    | 1.83    | 2.44    | 3.00     | 3.10     | 2.93     | 2.95     |
| Acetaldehyde             | 0.80    | 0.84    | 0.58    | 0.51    | 0.62     | 0.65     | 0.59     | 0.60     |
| Acetone                  | 0.21    | 0.31    | 0.19    | 0.21    | 0.25     | 0.24     | 0.20     | 0.22     |
| Propionaldehyde          | 0.06    | 0.07    | 0.04    | 0.04    | 0.09     | 0.08     | 0.08     | 0.08     |
| Crotonaldehyde           | ND      | ND      | ND      | 0.12    | 0.26     | 0.26     | 0.27     | 0.25     |
| Butyr/Isobutyraldehyde   | 0.04    | 0.05    | 0.16    | 0.01    | 0.02     | 0.02     | 0.03     | 0.02     |
| Benzaldehyde             | 0.02    | 0.03    | 0.07    | 0.02    | 0.04     | 0.04     | 0.04     | 0.03     |
| Isovaleraldehyde         | 0.08    | 0.13    | ND      | ND      | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.01    | 0.02    | 0.02    | ND      | ND       | ND       | 0.01     | 0.01     |
| Tolualdehydes            | 0.06    | 0.06    | 0.01    | 0.07    | 0.06     | 0.06     | 0.06     | 0.05     |
| Hexaldehyde              | 0.04    | 0.04    | 0.01    | 0.37    | 0.43     | 0.45     | 0.42     | 0.42     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | ND      | ND       | ND       | 0.023    | 0.023    |

u - Concentration is below the detection limit.

7 of 11

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22391 D1 | 22391 R1 | 22392 D2 | 22392 R2 | 22587    | 22850    | 22853    | 22942    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 8/23/01  | 8/23/01  | 8/23/01  | 8/23/01  | 9/4/01   | 9/10/01  | 9/16/01  | 9/19/01  |
| ANALYSIS DATE            | 9/22/01  | 9/22/01  | 9/22/01  | 9/22/01  | 10/17/01 | 10/23/01 | 10/23/01 | 10/24/01 |
| FILE NAME                | F1IT053  | F1IT054  | F1IT055  | F1IT056  | Q1JQ010  | F1JV007  | F1JV010  | F1JV025  |
| UNITS                    | ppbv     |
| Formaldehyde             | 1.04     | 1.03     | 1.08     | 1.04     | 3.66     | 2.98     | 3.67     | 3.59     |
| Acetaldehyde             | 0.84     | 0.82     | 0.83     | 0.82     | 1.28     | 0.92     | 1.56     | 1.45     |
| Acetone                  | 0.22     | 0.23     | 0.23     | 0.22     | 0.30     | 0.30     | 0.76     | 0.56     |
| Propionaldehyde          | 0.11     | 0.12     | 0.12     | 0.12     | 0.15     | 0.09     | 0.16     | 0.16     |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | 0.33     | 0.006    | 0.011    | 0.008    |
| Butyr/Isobutyraldehyde   | 0.11     | 0.11     | 0.11     | 0.11     | 0.09     | 0.12     | 0.18     | 0.19     |
| Benzaldehyde             | 0.03     | 0.03     | 0.03     | 0.03     | 0.03     | 0.05     | 0.06     | 0.04     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | 0.001u   | ND       | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.03     | 0.03     | 0.03     | 0.03     | 0.03     | 0.05     | 0.04     |
| Tolualdehydes            | 0.04     | 0.03     | 0.02     | 0.04     | 0.04     | 0.03     | 0.06     | 0.05     |
| Hexaldehyde              | 0.09     | 0.10     | 0.10     | 0.10     | 0.30     | 0.03     | 0.04     | 0.03     |
| 2,5-Dimethylbenzaldehyde | 0.011    | 0.008    | 0.008    | 0.007    | ND       | 0.025    | ND       | ND       |

u - Concentration is below the detection limit.

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22945    | 23155    | 23230   | 23312    | 23423    | 23549    | 23641    | 23751    |
|--------------------------|----------|----------|---------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/22/01  | 9/28/01  | 10/4/01 | 10/10/01 | 10/16/01 | 10/22/01 | 10/28/01 | 10/31/01 |
| ANALYSIS DATE            | 10/24/01 | 10/26/01 | 11/1/01 | 11/6/01  | 11/7/01  | 11/9/01  | 11/13/01 | 11/13/01 |
| FILE NAME                | F1JV028  | F1JZ024  | F1KA008 | F1KE031  | F1KE069  | F1KH047  | F1KL028  | F1KL026  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 3.92     | 2.89     | 3.14    | 2.47     | 0.09     | 2.63     | 2.36     | 2.22     |
| Acetaldehyde             | 1.35     | 1.14     | 1.31    | 0.90     | 0.06     | 0.96     | 1.15     | 0.89     |
| Acetone                  | 0.45     | 0.61     | 0.67    | 0.34     | 0.14     | 0.42     | 0.79     | 0.46     |
| Propionaldehyde          | 0.12     | 0.09     | 0.16    | 0.10     | 0.003u   | 0.09     | 0.06     | 0.08     |
| Crotonaldehyde           | ND       | 0.005    | 0.01    | 0.007    | ND       | 0.008    | 0.003    | 0.003    |
| Butyr/Isobutyraldehyde   | 0.16     | 0.16     | 0.18    | 0.17     | 0.14     | 0.19     | 0.12     | 0.15     |
| Benzaldehyde             | 0.04     | 0.03     | 0.05    | 0.03     | 0.004    | 0.05     | 0.01     | 0.03     |
| Isovaleraldehyde         | ND       | 0.03     | ND      | ND       | 0.0003u  | ND       | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.02     | 0.04    | 0.02     | 0.004    | 0.03     | 0.01     | 0.02     |
| Tolualdehydes            | 0.06     | 0.04     | 0.04    | 0.03     | 0.01     | 0.03     | 0.02     | 0.02     |
| Hexaldehyde              | 0.03     | 0.02     | 0.04    | 0.02     | 0.01     | 0.03     | 0.01     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       |

u - Concentration is below the detection limit.

9 of 11

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23786    | 24019    | 24026    | 24028    | 24179    | 24183    | 24224    | 24413   |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 11/3/01  | 11/9/01  | 11/15/01 | 11/18/01 | 11/21/01 | 11/24/01 | 11/27/01 | 12/3/01 |
| ANALYSIS DATE            | 11/20/01 | 11/27/01 | 11/29/01 | 11/29/01 | 12/7/01  | 12/7/01  | 12/11/01 | 1/2/02  |
| FILE NAME                | F1KT006  | F1KZ030  | F1K!042  | F1K!044  | F1LF021  | F1LF024  | F1LK008  | F2AB012 |
| UNITS                    | ppbv     | ppbv    |
| Formaldehyde             | 2.00     | 2.53     | 1.82     | 2.33     | 2.24     | 2.29     | 2.14     | 2.08    |
| Acetaldehyde             | 0.69     | 1.12     | 0.67     | 0.90     | 0.95     | 0.99     | 0.85     | 0.74    |
| Acetone                  | 0.27     | 1.34     | 0.55     | 0.54     | 1.12     | 0.48     | 0.52     | 0.59    |
| Propionaldehyde          | 0.07     | 0.14     | 0.08     | 0.06     | 0.11     | 0.12     | 0.08     | 0.07    |
| Crotonaldehyde           | 0.003    | 0.006    | 0.003    | 0.003    | 0.004    | 0.013    | 0.006    | 0.007   |
| Butyr/Isobutyraldehyde   | 0.10     | 0.14     | 0.10     | 0.11     | 0.11     | 0.13     | 0.09     | 0.08    |
| Benzaldehyde             | 0.02     | 0.03     | 0.01     | 0.03     | 0.03     | 0.02     | 0.02     | 0.02    |
| Isovaleraldehyde         | ND       | ND      |
| Valeraldehyde            | 0.02     | 0.02     | 0.01     | 0.02     | 0.02     | 0.03     | 0.02     | 0.02    |
| Tolualdehydes            | 0.03     | 0.03     | 0.02     | 0.04     | 0.03     | 0.03     | 0.02     | 0.02    |
| Hexaldehyde              | 0.01     | 0.03     | 0.01     | 0.01     | 0.02     | 0.03     | 0.02     | 0.01    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | ND       | 0.023    | ND      |

u - Concentration is below the detection limit.

10 of 11

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24478   | 24657    | 24827    | 24856    |
|--------------------------|---------|----------|----------|----------|
| SAMPLE DATE              | 12/9/01 | 12/15/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/8/02  | 1/14/02  | 1/18/02  | 1/21/02  |
| FILE NAME                | F2AG030 | F2AN013  | F2AR017  | F2AU014  |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.62    | 2.80     | 2.22     | 2.26     |
| Acetaldehyde             | 0.60    | 0.98     | 1.11     | 1.23     |
| Acetone                  | 0.23    | 0.41     | 1.42     | 1.74     |
| Propionaldehyde          | 0.07    | 0.13     | 0.11     | 0.14     |
| Crotonaldehyde           | 0.004   | 0.006    | 0.009    | 0.02     |
| Butyr/Isobutyraldehyde   | 0.07    | 0.13     | 0.14     | 0.19     |
| Benzaldehyde             | 0.02    | 0.03     | 0.03     | 0.03     |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.01    | 0.03     | 0.02     | 0.04     |
| Tolualdehydes            | 0.03    | 0.03     | 0.04     | 0.06     |
| Hexaldehyde              | 0.02    | 0.04     | 0.02     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND      | ND       | ND       | ND       |

u - Concentration is below the detection limit.

11 of 11

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1BF022  | Q1BH033  | Q1B~022  | F1DI018  | F1DI048  | F1D\$017 | Q1EO020  | Q1EQ014  | F1EQ025  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 19131 FB | 19173 FB | 19270 FB | 19424 FB | 19520 FB | 19709 FB | 19815 FB | 19890 FB | 20053 FB |
| Date Sampled             | 1/19/01  | 1/25/01  | 2/6/01   | 2/24/01  | 3/8/01   | 3/26/01  | 4/13/01  | 4/19/01  | 5/7/01   |
| Date Analyzed            | 2/7/01   | 2/9/01   | 2/28/01  | 4/10/01  | 4/12/01  | 5/1/01   | 5/16/01  | 5/18/01  | 5/18/01  |
| Formaldehyde             | 0.023    | 0.030    | 0.062    | 0.023    | 0.020    | 0.283    | 0.051    | 0.000    | 0.049    |
| Acetaldehyde             | 0.077    | 0.068    | 0.076    | 0.085    | 0.089    | 0.092    | 0.112    | 0.087    | 0.139    |
| Acetone                  | 0.114    | 0.108    | 0.115    | 0.088    | 0.102    | 0.113    | 0.098    | 0.093    | 0.158    |
| Propionaldehyde          | ND       | ND       | ND       | 0.000    | 0.000    | 0.002    | ND       | ND       | ND       |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | 0.010    | ND       | ND       | 0.007    | 0.010    | 0.011    | ND       | ND       | ND       |
| Benzaldehyde             | 0.012    | 0.021    | 0.019    | 0.009    | ND       | ND       | ND       | 0.002    | 0.014    |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | ND       | 0.005    | ND       | ND       | ND       | 0.002    | ND       | ND       | 0.004    |
| Tolualdehydes            | ND       |
| Hexaldehyde              | 0.041    | 0.029    | 0.188    | 0.022    | 0.032    | 0.055    | 0.029    | 0.009    | 0.197    |
| 2,5-Dimethylbenzaldehyde | ND       |

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1FN035  | F1F!015  | Q1GW049  | F1HF008  | F1HN014  | Q1IL009  | Q1JQ009  | F1JZ023  | F1KE030  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 20378 FB | 20606 FB | 21199 FB | 21651 FB | 21723 FB | 22203 FB | 22586 FB | 23154 FB | 23311 FB |
| Date Sampled             | 5/22/01  | 6/12/01  | 6/30/01  | 7/18/01  | 7/19/01  | 8/6/01   | 9/4/01   | 9/25/01  | 10/10/01 |
| Date Analyzed            | 6/15/01  | 6/29/01  | 7/24/01  | 8/6/01   | 8/14/01  | 9/12/01  | 10/17/01 | 10/26/01 | 11/6/01  |
| Formaldehyde             | 0.024    | 0.056    | 0.023    | 0.033    | 0.028    | 0.011    | 0.019    | 0.059    | 0.049    |
| Acetaldehyde             | 0.158    | 0.082    | 0.058    | 0.070    | 0.074    | 0.001    | 0.114    | 0.130    | 0.093    |
| Acetone                  | 0.223    | 0.236    | 0.119    | 0.115    | 0.092    | 0.099    | 0.275    | 0.232    | 0.240    |
| Propionaldehyde          | 0.006    | 0.003    | ND       | ND       | ND       | ND       | 0.006    | 0.011    | 0.008    |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | 0.045    | 0.094    | ND       | 0.008    | 0.014    | ND       | 0.045    | 0.166    | 0.196    |
| Benzaldehyde             | ND       | ND       | ND       | 0.011    | 0.017    | ND       | ND       | 0.011    | 0.024    |
| Isovaleraldehyde         | ND       | 0.005    | ND       | ND       | 0.003    | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.010    | 0.002    | ND       | ND       | 0.004    | 0.004    | 0.010    | 0.002    | 0.009    |
| Tolualdehydes            | ND       | 0.115    | 0.002    | 0.065    | 0.037    | ND       | ND       | 0.057    | 0.038    |
| Hexaldehyde              | 0.044    | 0.013    | 0.023    | 0.017    | 0.012    | 0.018    | 0.038    | 0.021    | 0.019    |
| 2,5-Dimethylbenzaldehyde | 0.008    | ND       | ND       | ND       | ND       | ND       | 0.008    | ND       | ND       |

# Lewis, Florida (LEFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1KE068  | F1K!068  | F1LF020  | F2AG029  |
|--------------------------|----------|----------|----------|----------|
| FB ID                    | 23422 FB | 24022 FB | 24178 FB | 24477 FB |
| Date Sampled             | 10/16/01 | 11/13/01 | 11/21/01 | 12/10/01 |
| Date Analyzed            | 11/7/01  | 11/29/01 | 12/6/01  | 1/8/02   |
| Formaldehyde             | 0.080    | 0.052    | 0.039    | 0.047    |
| Acetaldehyde             | 0.068    | 0.035    | 0.094    | 0.085    |
| Acetone                  | 0.268    | 0.202    | 0.188    | 0.221    |
| Propionaldehyde          | 0.011    | ND       | ND       | 0.014    |
| Crotonaldehyde           | ND       | ND       | ND       | ND       |
| Butyraldehyde            | 0.261    | 0.159    | 0.084    | 0.095    |
| Benzaldehyde             | 0.016    | 0.011    | ND       | 0.015    |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.009    | 0.010    | 0.013    | 0.011    |
| Tolualdehydes            | 0.064    | 0.055    | 0.054    | 0.052    |
| Hexaldehyde              | 0.019    | 0.021    | 0.023    | 0.024    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       |

# Southfield, Michigan (LOMI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20016   | 20158   | 20328   | 20476   | 20644   | 21057   | 21426   | 21655   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 4/25/01 | 5/7/01  | 5/19/01 | 5/31/01 | 6/12/01 | 6/24/01 | 7/6/01  | 7/18/01 |
| ANALYSIS DATE            | 5/17/01 | 6/14/01 | 6/15/01 | 6/21/01 | 7/23/01 | 7/24/01 | 7/29/01 | 8/6/01  |
| FILE NAME                | F1EQ007 | F1FN009 | F1FN026 | F1FT016 | Q1GW011 | Q1GW030 | F1G#014 | F1HF012 |
| UNITS                    | ppbv    |
| Formaldehyde             | 2.25    | 2.88    | 3.19    | 3.53    | 3.77    | 3.88    | 2.46    | 3.36    |
| Acetaldehyde             | 0.99    | 1.45    | 1.43    | 1.30    | 1.62    | 1.35    | 0.95    | 1.63    |
| Acetone                  | 2.93    | 1.27    | 2.13    | 2.79    | 1.05    | 1.56    | 1.70    | 1.14    |
| Propionaldehyde          | 0.12    | 0.17    | 0.18    | 0.16    | 0.30    | 0.21    | 0.11    | 0.28    |
| Crotonaldehyde           | 0.01    | 0.01    | ND      | ND      | ND      | ND      | ND      | 0.01    |
| Butyr/Isobutyraldehyde   | 0.19    | 0.16    | 0.18    | 0.16    | 0.11    | 0.09    | 0.12    | 0.16    |
| Benzaldehyde             | 0.07    | 0.10    | 0.10    | 0.07    | 0.12    | 0.09    | 0.07    | 0.10    |
| Isovaleraldehyde         | ND      | ND      | 0.03    | ND      | ND      | 0.003   | 0.03    | 0.02    |
| Valeraldehyde            | 0.04    | 0.04    | 0.06    | ND      | 0.04    | 0.03    | 0.03    | 0.06    |
| Tolualdehydes            | 0.12    | 0.05    | 0.07    | 0.07    | 0.05    | 0.11    | 0.05    | 0.08    |
| Hexaldehyde              | 0.08    | 0.10    | 0.12    | 0.01    | 0.13    | 0.12    | 0.03    | 0.07    |
| 2,5-Dimethylbenzaldehyde | 0.03    | 0.01    | 0.01    | 0.001u  | ND      | ND      | 0.001u  | ND      |

u - Concentration is below detection limit.

1 of 3

# Southfield, Michigan (LOMI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21853   | 22128   | 22404   | 22773    | 22868    | 23159    | 23373    | 23562    |
|--------------------------|---------|---------|---------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 7/30/01 | 8/11/01 | 8/23/01 | 9/4/01   | 9/16/01  | 9/28/01  | 10/10/01 | 10/22/01 |
| ANALYSIS DATE            | 8/15/01 | 9/12/01 | 9/22/01 | 10/19/01 | 10/23/01 | 10/27/01 | 11/6/01  | 11/7/01  |
| FILE NAME                | F1HN024 | Q1IL020 | F1IT068 | Q1JQ058  | F1JV020  | F1JZ049  | F1KE026  | F1KE063  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 3.22    | 2.76    | 2.47    | 1.68     | 2.26     | 1.00     | 2.86     | 0.04     |
| Acetaldehyde             | 1.53    | 1.15    | 1.05    | 0.67     | 1.24     | 0.50     | 1.41     | 0.09     |
| Acetone                  | 0.68    | 1.19    | 0.63    | 0.88     | 3.22     | 1.42     | 1.54     | 0.12     |
| Propionaldehyde          | 0.21    | 0.16    | 0.14    | 0.08     | 0.12     | 0.05     | 0.16     | 0.01     |
| Crotonaldehyde           | ND      | 0.17    | ND      | 0.16     | 0.01     | 0.004    | 0.01     | ND       |
| Butyr/Isobutyraldehyde   | 0.12    | 0.06    | 0.12    | 0.05     | 0.16     | 0.12     | 0.31     | 0.09     |
| Benzaldehyde             | 0.09    | 0.06    | 0.05    | 0.04     | 0.04     | 0.03     | 0.05     | 0.003    |
| Isovaleraldehyde         | 0.04    | ND      | ND      | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.03    | 0.02    | 0.03    | 0.01     | 0.03     | 0.01     | 0.04     | 0.003    |
| Tolualdehydes            | 0.09    | 0.06    | 0.06    | ND       | 0.05     | 0.03     | 0.07     | 0.01     |
| Hexaldehyde              | 0.06    | 0.15    | 0.04    | 0.07     | 0.03     | 0.02     | 0.04     | 0.01     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | 0.01    | 0.0001u  | ND       | ND       | ND       | ND       |

u - Concentration is below detection limit.

2 of 3

# Southfield, Michigan (LOMI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23849    | 24034    | 24232    | 24489   | 24759    |
|--------------------------|----------|----------|----------|---------|----------|
| SAMPLE DATE              | 11/3/01  | 11/15/01 | 11/27/01 | 12/9/01 | 12/21/01 |
| ANALYSIS DATE            | 11/13/01 | 11/29/01 | 12/11/01 | 1/3/02  | 1/17/02  |
| FILE NAME                | F1KL041  | F1K1021  | F1LK013  | F2AB022 | F2AQ014  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     |
| Formaldehyde             | 2.19     | 2.62     | 1.68     | 1.32    | 2.18     |
| Acetaldehyde             | 1.37     | 1.50     | 0.89     | 0.68    | 0.92     |
| Acetone                  | 2.44     | 1.38     | 1.96     | 1.27    | 1.73     |
| Propionaldehyde          | 0.12     | 0.13     | 0.09     | 0.07    | 0.09     |
| Crotonaldehyde           | 0.01     | 0.01     | 0.01     | 0.01    | 0.01     |
| Butyr/Isobutyraldehyde   | 0.19     | 0.16     | 0.21     | 0.10    | 0.15     |
| Benzaldehyde             | 0.07     | 0.06     | 0.05     | 0.03    | 0.06     |
| Isovaleraldehyde         | ND       | 0.01     | ND       | ND      | ND       |
| Valeraldehyde            | 0.05     | 0.06     | 0.03     | 0.02    | 0.04     |
| Tolualdehydes            | 0.04     | 0.04     | 0.03     | 0.01    | 0.06     |
| Hexaldehyde              | 0.04     | 0.03     | 0.02     | 0.02    | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND      | 0.004    |

u - Concentration is below detection limit.

3 of 3

# Southfield, Michigan (LOMI) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1GW012  | F1GX008  | F1JV032  | F1KE062  |
|--------------------------|----------|----------|----------|----------|
| FB ID                    | 20643 FB | 21437 FB | 23025 FB | 23561 FB |
| Sample Date              | 6/12/01  | 6/30/01  | 9/22/01  | 10/22/01 |
| Date Analyzed            | 7/23/01  | 7/24/01  | 10/24/01 | 11/7/01  |
| Formaldehyde             | 0.06     | 0.04     | 0.06     | 0.04     |
| Acetaldehyde             | 0.09     | 0.07     | 0.09     | 0.13     |
| Acetone                  | 0.23     | 0.11     | 0.23     | 0.23     |
| Propionaldehyde          | ND       | ND       | ND       | 0.008    |
| Crotonaldehyde           | ND       | ND       | ND       | ND       |
| Butyraldehyde            | ND       | 0.01     | ND       | 0.21     |
| Benzaldehyde             | 0.002    | 0.01     | 0.002    | 0.02     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       |
| Valeraldehyde            | ND       | 0.01     | ND       | 0.02     |
| Tolualdehydes            | ND       | 0.04     | ND       | 0.05     |
| Hexaldehyde              | 0.08     | 0.02     | 0.08     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       |

# Muscatine, Iowa (MUIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19034    | 19075   | 19191   | 19257   | 19376 D1 | 19376 R1 | 19378 D2 | 19378 R2 |
|--------------------------|----------|---------|---------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 1/1/01   | 1/13/01 | 1/25/01 | 2/6/01  | 2/18/01  | 2/18/01  | 2/18/01  | 2/18/01  |
| ANALYSIS DATE            | 1/31/01  | 2/7/01  | 2/9/01  | 2/14/01 | 3/7/01   | 3/7/01   | 3/7/01   | 3/7/01   |
| FILE NAME                | Q1A\$016 | Q1BF014 | Q1BH038 | Q1BM044 | Q1CE041  | Q1CE042  | Q1CE043  | Q1CE044  |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.90     | 0.61    | 0.89    | 1.16    | 0.75     | 0.69     | 0.76     | 0.86     |
| Acetaldehyde             | 1.44     | 1.07    | 1.22    | 0.96    | 3.91     | 3.90     | 3.99     | 3.93     |
| Acetone                  | 1.47     | 1.04    | 0.76    | 1.29    | 0.83     | 0.82     | 0.87     | 0.86     |
| Propionaldehyde          | 0.15     | 0.08    | 0.09    | 0.11    | 0.12     | 0.11     | 0.11     | 0.11     |
| Crotonaldehyde           | 0.07     | 0.02    | 0.02    | 0.03    | 0.03     | 0.03     | 0.03     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.09     | 0.08    | 0.10    | 0.06    | 0.88     | 0.86     | 0.86     | 0.85     |
| Benzaldehyde             | 0.05     | 0.04    | 0.03    | 0.04    | 0.06     | 0.06     | 0.06     | 0.06     |
| Isovaleraldehyde         | 0.02     | 0.16    | 0.12    | 0.01    | 1.35     | 1.32     | 1.33     | 1.32     |
| Valeraldehyde            | 0.02     | 0.06    | 0.03    | 0.01    | 0.29     | 0.27     | 0.28     | 0.26     |
| Tolualdehydes            | 0.06     | 0.03    | 0.02    | 0.03    | 0.02     | 0.03     | 0.05     | 0.05     |
| Hexaldehyde              | 0.06     | 0.15    | 0.08    | 0.10    | 0.14     | 0.17     | 0.20     | 0.19     |
| 2,5-Dimethylbenzaldehyde | 0.005    | ND      | 0.01    | 0.01    | 0.01     | 0.004    | 0.01     | 0.01     |

u - Concentration is below the detection limit.

\* - Compound diluted 5X.

# Muscatine, Iowa (MUIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19471   | 19584   | 19698    | 19792   | 19877   | 20599   | 20960   | 21086   |
|--------------------------|---------|---------|----------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 3/2/01  | 3/14/01 | 3/26/01  | 4/7/01  | 4/19/01 | 6/6/01  | 6/18/01 | 6/24/01 |
| ANALYSIS DATE            | 4/16/01 | 4/19/01 | 5/1/01   | 5/8/01  | 5/16/01 | 6/22/01 | 6/28/01 | 7/12/01 |
| FILE NAME                | F1DP007 | F1DS011 | F1D\$029 | F1EG025 | Q1EO026 | Q1FU020 | Q1F!021 | Q1GK021 |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 1.41    | 0.72    | 2.24     | 1.34    | 1.87    | 2.71    | 5.92    | 3.25    |
| Acetaldehyde             | 1.11    | 0.73    | 0.65     | 4.60    | 4.95    | 1.20    | 3.12    | 3.80    |
| Acetone                  | 1.95    | 0.83    | 1.56     | 0.53    | 1.48    | 0.88    | 0.96    | 0.67    |
| Propionaldehyde          | 0.07    | 0.02    | 0.03     | 0.01    | 0.05    | 0.05    | 0.12    | 0.04    |
| Crotonaldehyde           | 0.003   | ND      | 0.001u   | 0.001u  | 0.03    | 0.001u  | ND      | 0.04    |
| Butyr/Isobutyraldehyde   | 0.12    | 0.06    | 0.07     | 0.04    | 0.10    | ND      | 0.08    | 0.09    |
| Benzaldehyde             | 0.04    | 0.02    | 0.02     | 0.20    | 0.08    | 0.09    | 0.04    | 0.06    |
| Isovaleraldehyde         | ND      | 0.13    | ND       | 0.55    | 0.35    | ND      | 0.27    | 0.21    |
| Valeraldehyde            | 0.02    | 0.01    | 0.03     | 0.05    | 0.11    | 0.01    | 0.10    | 0.11    |
| Tolualdehydes            | 0.01    | 0.01    | 0.02     | 0.02    | 0.03    | 0.07    | 0.20    | 0.06    |
| Hexaldehyde              | 0.04    | 0.04    | 0.04     | 0.02    | 0.30    | 0.30    | 1.83    | 0.68    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND       | ND      | ND      | 0.02    | ND      | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 5X.

# Muscatine, Iowa (MUIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21251   | 21547   | 21535   | 21640   | 21801   | 21895   | 22005   | 22261 D1<br>8/17/01 |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------------------|
| SAMPLE DATE              | 6/30/01 | 7/12/01 | 7/15/01 | 7/18/01 | 7/24/01 | 7/30/01 | 8/5/01  |                     |
| ANALYSIS DATE            | 7/26/01 | 7/31/01 | 7/31/01 | 8/11/00 | 8/21/01 | VOID    | 8/22/01 | 9/1/01              |
| FILE NAME                | Q1GZ005 | Q1G%015 | Q1G%010 | F1HK014 | F1HU007 | VOID    | Q1HV009 | Q1H%038             |
| UNITS                    | ppbv                |
| Formaldehyde             | 3.93    | 2.65    | 2.69    | 2.74    | 6.98    |         | 2.92    | 1.75                |
| Acetaldehyde             | 1.50    | 0.93    | 1.85    | 0.95    | 0.51    |         | 1.82    | 0.51                |
| Acetone                  | 0.90    | 0.93    | 0.74    | 0.43    | 0.96    |         | 0.46    | 0.75                |
| Propionaldehyde          | 0.03    | 0.07    | 0.05    | 0.09    | 0.10    |         | 0.04    | 0.03                |
| Crotonaldehyde           | 0.12    | 0.01    | 0.05    | ND      | ND      |         | 0.21    | 0.06                |
| Butyr/Isobutyraldehyde   | 0.02    | 0.12    | 0.06    | 0.09    | 0.16    |         | 0.11    | 0.02                |
| Benzaldehyde             | 0.08    | 0.11    | 0.06    | 0.05    | 0.07    |         | 0.18    | 0.04                |
| Isovaleraldehyde         | 0.05    | 0.02    | 0.08    | 0.05    | 0.10    |         | 0.26    | ND                  |
| Valeraldehyde            | ND      | 0.00    | 0.02    | 0.01    | 0.03    |         | 0.07    | ND                  |
| Tolualdehydes            | 0.14    | 0.04    | 0.06    | 0.05    | 0.55    |         | 0.10    | 0.04                |
| Hexaldehyde              | 0.95    | 0.45    | 0.64    | 0.04    | 0.05    |         | 0.57    | 0.24                |
| 2,5-Dimethylbenzaldehyde | ND      | 0.02    | 0.04    | 0.01    | ND      |         | ND      | 0.01                |

u - Concentration is below the detection limit.

\* - Compound diluted 5X.

# Muscatine, Iowa (MUIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22261 R1 | 22263 D2 | 22263 R2 | 22476   | 22804    | 23000    | 23241    | 23415    |
|--------------------------|----------|----------|----------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 8/17/01  | 8/17/01  | 8/17/01  | 8/29/01 | 9/10/01  | 9/22/01  | 10/4/01  | 10/16/01 |
| ANALYSIS DATE            | 9/1/01   | 9/1/01   | 9/1/01   | 9/27/01 | 10/19/01 | 10/27/01 | 10/25/01 | 11/3/01  |
| FILE NAME                | Q1H%039  | Q1H%040  | Q1H%041  | Q1IZ017 | F1JS019  | F1JZ031  | Q1JX050  | F1KB017  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 1.58     | 1.73     | 1.62     | 2.13    | 1.86     | 1.59     | 0.93     | 0.73     |
| Acetaldehyde             | 0.47     | 0.50     | 0.47     | 1.29    | 0.81     | 2.92     | 0.67     | 0.54     |
| Acetone                  | 0.72     | 0.76     | 0.71     | 0.65    | 0.81     | 0.77     | 0.90     | 0.96     |
| Propionaldehyde          | 0.05     | 0.04     | 0.03     | 0.11    | 0.07     | 0.02     | 0.02     | 0.04     |
| Crotonaldehyde           | 0.06     | 0.07     | 0.06     | 0.06    | 0.0003u  | 0.005    | 0.0004u  | 0.01     |
| Butyr/Isobutyraldehyde   | 0.02     | 0.04     | 0.02     | 0.05    | 0.12     | 0.13     | 0.02     | 0.12     |
| Benzaldehyde             | 0.04     | 0.02     | 0.02     | 0.04    | 0.04     | 0.03     | 0.03     | 0.02     |
| Isovaleraldehyde         | ND       | ND       | ND       | 0.07    | ND       | 0.36     | ND       | 0.003    |
| Valeraldehyde            | ND       | ND       | ND       | 0.02    | 0.03     | 0.08     | 0.01     | 0.01     |
| Tolualdehydes            | 0.05     | 0.03     | 0.04     | 0.09    | 0.04     | 0.04     | 0.04     | 0.02     |
| Hexaldehyde              | 0.23     | 0.21     | 0.21     | 0.38    | 0.05     | 0.01     | 0.15     | 0.02     |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.01     | 0.01     | 0.03    | ND       | 0.004    | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 5X.

# Muscatine, Iowa (MUIA) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23578 D1 | 23578 R1 | 23580 D2 | 23580 R2 | 23688    |
|--------------------------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/22/01 | 10/22/01 | 10/22/01 | 10/22/01 | 10/28/01 |
| ANALYSIS DATE            | 11/15/01 | 11/15/01 | 11/15/01 | 11/15/01 | 11/13/01 |
| FILE NAME                | Q1KP011  | Q1KP012  | Q1KP013  | Q1KP014  | F1KL015  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 5.46     | 5.30     | 4.35     | 4.34     | 1.02     |
| Acetaldehyde             | 0.07     | 0.09     | 0.55     | 0.53     | 19.62*   |
| Acetone                  | 0.02     | 0.002u   | 0.11     | 0.10     | 1.21     |
| Propionaldehyde          | ND       | ND       | 0.002u   | 0.001u   | 0.16     |
| Crotonaldehyde           | 0.01     | ND       | ND       | ND       | 0.01     |
| Butyr/Isobutyraldehyde   | 0.004    | ND       | 0.0024   | 0.001u   | 1.29     |
| Benzaldehyde             | 0.08     | 0.07     | 0.003    | 0.001    | 0.13     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | 2.96     |
| Valeraldehyde            | ND       | ND       | ND       | ND       | 0.60     |
| Tolualdehydes            | 0.05     | 0.04     | 0.02     | 0.02     | 0.02     |
| Hexaldehyde              | 0.24     | 0.23     | 0.17     | 0.16     | 0.07     |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.01     | 0.002u   | ND       | 0.02     |

u - Concentration is below the detection limit.

\* - Compound diluted 5X.

# Muscatine, Iowa (MUIA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | Q1BH039  | Q1BM045  | F1D\$030 | Q1EO027  | Q1FU021  | Q1GT010  | F1HK013  | F1HU006  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| ERG Sample ID            | 19192 FB | 19258 FB | 19699 FB | 19878 FB | 20598 FB | 21250 FB | 21639 FB | 21800 FB |
| Date Sampled             | 1/25/01  | 2/6/01   | 3/27/01  | 4/19/01  | 6/6/01   | 6/30/01  | 7/18/01  | 7/24/01  |
| Date Analyzed            | 2/9/01   | 2/14/01  | 5/1/01   | 5/16/01  | 6/22/01  | 7/20/01  | 8/11/01  | 8/21/01  |
| Formaldehyde             | 0.02     | 0.02     | 0.14     | 0.03     | 0.06     | 0.03     | 0.04     | 0.046    |
| Acetaldehyde             | 0.04     | 0.05     | 0.09     | 0.05     | 0.11     | 0.08     | 0.05     | 0.07     |
| Acetone                  | 0.29     | 0.20     | 0.12     | 0.13     | 0.28     | 0.17     | 0.13     | 0.19     |
| Propionaldehyde          | ND       | ND       | 0.001    | ND       | ND       | ND       | ND       | ND       |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | ND       | ND       | 0.01     | ND       | ND       | ND       | 0.04     | 0.03     |
| Benzaldehyde             | ND       | ND       | ND       | ND       | ND       | ND       | 0.02     | ND       |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | ND       | 0.01     | 0.01     |
| Valeraldehyde            | ND       | ND       | ND       | ND       | ND       | ND       | 0.009    | 0.01     |
| Tolualdehydes            | 0.17     | 0.14     | ND       | 0.01     | 0.22     | ND       | 0.10     | ND       |
| Hexaldehyde              | ND       | 0.03     | 0.04     | ND       | ND       | 0.04     | 0.02     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       |

# Muscatine, Iowa (MUIA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | Q1IZ016  | F1JZ030  | Q1JX049  |
|--------------------------|----------|----------|----------|
| ERG Sample ID            | 22474 FB | 22999    | 23240    |
| Date Sampled             | 8/29/01  | 9/22/01  | 10/5/01  |
| Date Analyzed            | 9/26/01  | 10/27/01 | 10/25/01 |
|                          |          |          |          |
| Formaldehyde             | 0.06     | 0.07     | 0.005    |
| Acetaldehyde             | 0.08     | 0.05     | 0.04     |
| Acetone                  | 0.29     | 0.20     | 0.18     |
| Propionaldehyde          | ND       | ND       | ND       |
| Crotonaldehyde           | ND       | ND       | ND       |
| Butyraldehyde            | ND       | 0.16     | ND       |
| Benzaldehyde             | ND       | 0.02     | ND       |
| Isovaleraldehyde         | ND       | ND       | ND       |
| Valeraldehyde            | ND       | 0.01     | ND       |
| Tolualdehydes            | 0.07     | 0.06     | ND       |
| Hexaldehyde              | 0.02     | 0.02     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       |

# New Brunswick, New Jersey (NBNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20352   | 20431   | 20518   | 20612   | 20807   | 21044   | 21232   | 21350   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/25/01 | 5/31/01 | 6/6/01  | 6/12/01 | 6/18/01 | 6/24/01 | 6/30/01 | 7/6/01  |
| ANALYSIS DATE            | 6/11/01 | 6/18/01 | 6/19/01 | VOID    | 6/28/01 | 7/11/01 | 7/20/01 | 7/27/01 |
| FILE NAME                | Q1FK010 | Q1FR008 | Q1FR020 | VOID    | Q1FI013 | Q1GK014 | Q1GT007 | Q1G~009 |
| UNITS                    | ppbv    |
| Formaldehyde             | 3.49    | 4.41    | 5.59    |         | 11.36   | 4.40    | 10.55   | 3.40    |
| Acetaldehyde             | 1.99    | 1.84    | 2.29    |         | 4.31    | 1.70    | 2.85    | 1.21    |
| Acetone                  | 1.23    | 3.13    | 1.42    |         | 2.08    | 0.90    | 1.09    | 1.30    |
| Propionaldehyde          | 0.24    | 0.30    | 0.27    |         | 0.43    | 0.24    | 0.23    | 0.12    |
| Crotonaldehyde           | ND      | ND      | ND      |         | ND      | ND      | ND      | ND      |
| Butyr/Isobutyraldehyde   | 0.15    | 0.13    | 0.23    |         | 0.38    | 0.18    | 0.25    | 0.11    |
| Benzaldehyde             | 0.08    | 0.04    | 0.07    |         | 0.15    | 0.05    | ND      | 0.04    |
| Isovaleraldehyde         | ND      | ND      | ND      |         | 0.04    | 0.01    | 0.02    | ND      |
| Valeraldehyde            | 0.05    | 0.08    | 0.12    |         | 0.17    | 0.08    | 0.11    | 0.04    |
| Tolualdehydes            | 0.15    | 0.05    | 0.18    |         | 0.32    | 0.06    | ND      | 0.03    |
| Hexaldehyde              | 0.29    | 0.38    | 0.53    |         | 1.17    | 0.57    | 0.74    | 0.32    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      |         | ND      | 0.02    | ND      | ND      |

u - Concentration is below detection limit.

\* - Compound diluted 2X.

# New Brunswick, New Jersey (NBNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21473   | 21602   | 21692   | 21836   | 21952   | 22066   | 22235   | 22432 D1 |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 7/12/01 | 7/18/01 | 7/24/01 | 7/30/01 | 8/5/01  | 8/11/01 | 8/17/01 | 8/23/01  |
| ANALYSIS DATE            | 7/26/01 | 8/1/01  | 8/12/01 | 8/12/01 | 8/21/01 | 8/27/01 | 8/31/01 | VOID     |
| FILE NAME                | Q1GZ025 | Q1G%024 | F1HK024 | F1HK042 | F1HU014 | Q1H-007 | Q1H%008 | VOID     |
| UNITS                    | ppbv     |
| Formaldehyde             | 5.71    | 6.52    | *16.42  | 3.40    | 9.51    | 7.52    | *16.46  |          |
| Acetaldehyde             | 1.80    | 1.90    | 3.60    | 1.29    | 3.11    | 2.92    | 3.95    |          |
| Acetone                  | 1.33    | 0.77    | 1.75    | 0.76    | 1.30    | 1.06    | 1.17    |          |
| Propionaldehyde          | 0.28    | 0.11    | 0.26    | 0.13    | 0.41    | 0.32    | 0.27    |          |
| Crotonaldehyde           | 0.11    | 0.11    | 0.24    | ND      | ND      | 0.16    | 0.10    |          |
| Butyr/Isobutyraldehyde   | 0.19    | 0.10    | 0.35    | 0.20    | 0.14    | 0.27    | 0.27    |          |
| Benzaldehyde             | 0.05    | 0.10    | 0.10    | 0.03    | 0.18    | 0.15    | 0.17    |          |
| Isovaleraldehyde         | 0.02    | 0.01    | 0.15    | 0.07    | 0.05    | 0.03    | 0.03    |          |
| Valeraldehyde            | 0.14    | 0.01    | 0.19    | 0.05    | 0.12    | 0.11    | 0.16    |          |
| Tolualdehydes            | 0.08    | 0.09    | 0.12    | 0.03    | 0.09    | 0.05    | 0.12    |          |
| Hexaldehyde              | 0.44    | 0.59    | 0.23    | 0.06    | 0.03    | 0.63    | 1.11    |          |
| 2,5-Dimethylbenzaldehyde | ND      | 0.04    | 0.01    | 0.02    | 0.06    | ND      | 0.09    |          |

u - Concentration is below detection limit.

\* - Compound diluted 2X.

# New Brunswick, New Jersey (NBNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22434 D2 | 22469   | 22658   | 22716   | 22814 D1 | 22814 R1 | 22816 D2 | 22816 R2 |
|--------------------------|----------|---------|---------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 8/23/01  | 8/29/01 | 9/4/01  | 9/10/01 | 9/16/01  | 9/16/01  | 9/16/01  | 9/16/01  |
| ANALYSIS DATE            | VOID     | 9/26/01 | 9/27/01 | 9/27/01 | 10/20/01 | 10/20/01 | 10/20/01 | 10/20/01 |
| FILE NAME                | VOID     | Q1IZ013 | Q1IZ033 | Q1IZ048 | F1JS040  | F1JS041  | F1JS042  | F1JS043  |
| UNITS                    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             |          | 5.42    | 7.66    | 10.04   | 3.00     | 3.09     | 3.00     | 3.01     |
| Acetaldehyde             |          | 2.10    | 2.31    | 2.49    | 1.54     | 1.54     | 1.60     | 1.59     |
| Acetone                  |          | 0.94    | 0.95    | 0.62    | 1.81     | 1.80     | 1.65     | 1.64     |
| Propionaldehyde          |          | 0.25    | 0.22    | 0.22    | 0.23     | 0.23     | 0.23     | 0.23     |
| Crotonaldehyde           |          | 0.09    | 0.10    | 0.13    | 0.01     | 0.01     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   |          | 0.21    | 0.19    | 0.27    | 0.26     | 0.27     | 0.27     | 0.27     |
| Benzaldehyde             |          | 0.04    | 0.12    | 0.10    | 0.04     | 0.04     | 0.04     | 0.04     |
| Isovaleraldehyde         |          | 0.02    | ND      | 0.02    | ND       | ND       | ND       | ND       |
| Valeraldehyde            |          | 0.13    | 0.12    | 0.16    | 0.09     | 0.09     | 0.09     | 0.09     |
| Tolualdehydes            |          | 0.04    | 0.09    | 0.09    | 0.04     | 0.04     | 0.04     | 0.04     |
| Hexaldehyde              |          | 0.46    | 0.48    | 0.51    | 0.04     | 0.04     | 0.06     | 0.05     |
| 2,5-Dimethylbenzaldehyde |          | ND      | ND      | ND      | ND       | ND       | ND       | ND       |

u - Concentration is below detection limit.

\* - Compound diluted 2X.

# New Brunswick, New Jersey (NBNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22968    | 23141    | 23286   | 23334    | 23458    | 23528    | 23645    | 23766    |
|--------------------------|----------|----------|---------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/22/01  | 9/28/01  | 10/4/01 | 10/10/01 | 10/16/01 | 10/22/01 | 10/28/01 | 11/3/01  |
| ANALYSIS DATE            | 10/25/01 | 10/27/01 | 11/8/01 | 11/5/01  | 11/6/01  | 11/10/01 | 11/13/01 | 11/14/01 |
| FILE NAME                | Q1JX031  | F1JZ043  | F1KH017 | F1KE014  | F1KE049  | F1KH066  | F1KL045  | F1KL049  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 8.67     | 1.55     | 7.70    | 5.53     | 6.10     | 3.12     | 0.88     | 4.18     |
| Acetaldehyde             | 2.66     | 0.91     | 2.62    | 1.94     | 1.54     | 2.01     | 0.54     | 1.59     |
| Acetone                  | 1.06     | 1.33     | 2.10    | 2.29     | 1.32     | 1.80     | 1.02     | 1.39     |
| Propionaldehyde          | 0.40     | 0.10     | 0.15    | 0.28     | 0.10     | 0.25     | 0.07     | 0.19     |
| Crotonaldehyde           | 0.16     | 0.01     | 0.02    | 0.02     | 0.01     | 0.01     | 0.01     | 0.03     |
| Butyr/Isobutyraldehyde   | 0.15     | 0.19     | 0.21    | 0.29     | 0.16     | 0.25     | 0.12     | 0.21     |
| Benzaldehyde             | 0.10     | 0.02     | 0.07    | 0.04     | 0.04     | 0.04     | 0.02     | 0.03     |
| Isovaleraldehyde         | 0.05     | ND       | ND      | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.18     | 0.05     | 0.12    | 0.12     | 0.08     | 0.09     | 0.03     | 0.09     |
| Tolualdehydes            | 0.02     | 0.02     | 0.05    | 0.03     | 0.03     | 0.03     | 0.01     | 0.03     |
| Hexaldehyde              | 0.53     | 0.03     | 0.07    | 0.11     | 0.04     | 0.07     | 0.02     | 0.07     |
| 2,5-Dimethylbenzaldehyde | ND       | 0.01     | ND      | ND       | ND       | 0.01     | ND       | ND       |

u - Concentration is below detection limit.

\* - Compound diluted 2X.

# New Brunswick, New Jersey (NBNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23909    | 24057    | 24059    | 24131    | 24239    | 24416   | 24461 D1 | 24461 R1 |
|--------------------------|----------|----------|----------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 11/9/01  | 11/15/01 | 11/18/01 | 11/21/01 | 11/27/01 | 12/3/01 | 12/6/01  | 12/6/01  |
| ANALYSIS DATE            | 11/27/01 | VOID     | 11/29/01 | 12/7/01  | 12/12/01 | 1/7/02  | 1/9/02   | 1/9/02   |
| FILE NAME                | F1KZ025  | VOID     | F1K!029  | F1LG014  | F1LK028  | F2AG009 | F2AG075  | F2AG076  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 1.83     |          | 3.17     | 1.78     | 2.13     | 3.45    | 8.37     | 7.98     |
| Acetaldehyde             | 0.92     |          | 1.71     | 1.00     | 1.06     | 1.10    | 2.59     | 2.46     |
| Acetone                  | 2.00     |          | 3.38     | 1.82     | 1.83     | 2.39    | 4.01     | 3.82     |
| Propionaldehyde          | 0.10     |          | 0.21     | 0.13     | 0.14     | 0.12    | 0.27     | 0.26     |
| Crotonaldehyde           | 0.01     |          | 0.02     | 0.01     | 0.02     | 0.01    | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.14     |          | 0.21     | 0.13     | 0.17     | 0.15    | 0.28     | 0.28     |
| Benzaldehyde             | 0.03     |          | 0.04     | 0.02     | 0.03     | 0.03    | 0.06     | 0.07     |
| Isovaleraldehyde         | ND       |          | 0.02     | ND       | ND       | ND      | ND       | ND       |
| Valeraldehyde            | 0.05     |          | 0.09     | 0.04     | 0.05     | 0.05    | 0.15     | 0.15     |
| Tolualdehydes            | 0.02     |          | 0.04     | 0.02     | 0.01     | 0.02    | 0.05     | 0.05     |
| Hexaldehyde              | 0.04     |          | 0.07     | 0.03     | 0.04     | 0.05    | 0.09     | 0.08     |
| 2,5-Dimethylbenzaldehyde | ND       |          | 0.01     | ND       | ND       | ND      | ND       | ND       |

u - Concentration is below detection limit.

\* - Compound diluted 2X.

# New Brunswick, New Jersey (NBNJ) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24463 D2 | 24463 R2 | 24468   | 24605    | 24799    | 24862    |
|--------------------------|----------|----------|---------|----------|----------|----------|
| SAMPLE DATE              | 12/6/01  | 12/6/01  | 12/9/01 | 12/15/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/9/02   | 1/9/02   | 1/8/02  | 1/15/02  | 1/18/02  | 1/21/02  |
| FILE NAME                | F2AG077  | F2AG078  | F2AG054 | F2AN029  | F2AR010  | F2AU017  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 8.45     | 8.12     | 0.97    | 2.95     | 1.24     | 1.49     |
| Acetaldehyde             | 2.56     | 2.47     | 0.62    | 0.74     | 0.55     | 0.77     |
| Acetone                  | 3.47     | 3.34     | 1.08    | 1.67     | 1.37     | 1.43     |
| Propionaldehyde          | 0.28     | 0.26     | 0.07    | 0.09     | 0.05     | 0.11     |
| Crotonaldehyde           | 0.02     | 0.01     | 0.01    | 0.005    | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.28     | 0.27     | 0.09    | 0.11     | 0.09     | 0.11     |
| Benzaldehyde             | 0.05     | 0.05     | 0.02    | 0.02     | 0.02     | 0.03     |
| Isovaleraldehyde         | ND       | ND       | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.15     | 0.15     | 0.02    | 0.04     | 0.03     | 0.04     |
| Tolualdehydes            | 0.06     | 0.05     | 0.01    | 0.02     | 0.01     | 0.02     |
| Hexaldehyde              | 0.12     | 0.11     | 0.03    | 0.04     | 0.03     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND      | ND       | ND       | ND       |

u - Concentration is below detection limit.

\* - Compound diluted 2X.

# New Brunswick, New Jersey (NBNJ) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID                    | Q1FK011  | VOID     | Q1GT006  | Q1G%023  | F1HK023  | Q1H-006  | Q1IZ012  | Q1IZ032  | Q1JX030  | F1KH016  |
|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                           | 20351 FB | 20611 FB | 21231 FB | 21601 FB | 21691 FB | 22065 FB | 22468 FB | 22657 FB | 22967 FB | 23285 FB |
| Sample Date                     | 5/25/01  | 6/12/01  | 6/30/01  | 7/18/01  | 7/24/01  | 8/11/01  | 8/29/01  | 9/4/01   | 9/22/01  | 10/4/01  |
| Date Analyzed                   | 6/11/01  | VOID     | 7/20/01  | 7/31/01  | 8/12/01  | 8/27/01  | 9/26/01  | 9/27/01  | 10/25/01 | 11/8/01  |
| <b>Formaldehyde</b>             | 0.060    |          | 0.022    | 0.012    | 0.039    | 0.131    | 0.028    | 0.012    | 0.033    | 0.079    |
| <b>Acetaldehyde</b>             | 0.062    |          | 0.088    | 0.032    | 0.056    | 0.118    | 0.055    | 0.070    | 0.016    | 0.106    |
| <b>Acetone</b>                  | 0.192    |          | 0.169    | 0.101    | 0.129    | 0.347    | 0.261    | 0.265    | 0.226    | 0.214    |
| <b>Propionaldehyde</b>          | ND       |          | ND       | ND       | ND       | 0.017    | ND       | ND       | ND       | 0.007    |
| <b>Crotonaldehyde</b>           | ND       |          | ND       |
| <b>Butyraldehyde</b>            | ND       |          | 0.001    | ND       | 0.032    | ND       | ND       | ND       | ND       | 0.313    |
| <b>Benzaldehyde</b>             | ND       |          | 0.022    | ND       | 0.019    | ND       | ND       | ND       | ND       | 0.017    |
| <b>Isovaleraldehyde</b>         | ND       |          | ND       | ND       | 0.008    | ND       | ND       | ND       | ND       | ND       |
| <b>Valeraldehyde</b>            | ND       |          | ND       | ND       | 0.011    | ND       | ND       | ND       | ND       | 0.013    |
| <b>Tolualdehydes</b>            | 0.079    |          | ND       | 0.066    | 0.058    | 0.001    | -0.004   | -0.020   | -0.080   | 0.091    |
| <b>Hexaldehyde</b>              | 0.026    |          | 0.035    | 0.108    | 0.036    | 0.051    | 0.031    | 0.011    | 0.026    | 0.023    |
| <b>2,5-Dimethylbenzaldehyde</b> | ND       |          | ND       |

# New Brunswick, New Jersey (NBNJ) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1KH065  | F1KZ024  | F1LK027  | F2AG053  | F2AN028  |
|--------------------------|----------|----------|----------|----------|----------|
| FB ID                    | 23527 FB | 23908 FB | 24238 FB | 24467 FB | 24604 FB |
| Sample Date              | 10/22/01 | 11/9/01  | 11/27/01 | 12/9/01  | 12/15/01 |
| Date Analyzed            | 11/10/01 | 11/27/01 | 12/12/01 | 1/8/02   | 1/15/02  |
| Formaldehyde             | 0.043    | 0.042    | 0.050    | 0.041    | 0.046    |
| Acetaldehyde             | 0.047    | 0.066    | 0.031    | 0.038    | 0.034    |
| Acetone                  | 0.194    | 0.196    | 0.222    | 0.269    | 0.263    |
| Propionaldehyde          | ND       | 0.009    | 0.004    | ND       | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND       |
| Butyraldehyde            | 0.273    | 0.067    | 0.074    | 0.029    | 0.050    |
| Benzaldehyde             | 0.010    | 0.012    | 0.009    | 0.014    | 0.005    |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.012    | 0.010    | ND       | 0.004    | 0.003    |
| Tolualdehydes            | 0.057    | 0.050    | 0.002    | 0.010    | 0.064    |
| Hexaldehyde              | 0.015    | 0.016    | 0.014    | 0.020    | 0.018    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       |

# Pascagoula, Mississippi (PGMS) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21777   | 21996  | 22313   | 22414   | 22548   | 22726   | 22976    | 23266    |
|--------------------------|---------|--------|---------|---------|---------|---------|----------|----------|
| SAMPLE DATE              | 7/24/01 | 8/5/01 | 8/17/01 | 8/23/01 | 8/29/01 | 9/10/01 | 9/22/01  | 10/4/01  |
| ANALYSIS DATE            | VOID    | VOID   | 9/20/01 | 9/29/01 | 9/29/01 | 9/28/01 | 10/26/01 | 11/10/01 |
| FILE NAME                | VOID    | VOID   | F1IT010 | F1I~057 | F1I~050 | Q1IZ054 | F1JZ010  | F1KH062  |
| UNITS                    | ppbv    | ppbv   | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     |
| Formaldehyde             |         |        | 6.02    | 6.25    | 3.34    | 5.52    | 6.95     | 3.73     |
| Acetaldehyde             |         |        | 1.45    | 1.61    | 0.76    | 1.26    | 1.89     | 1.17     |
| Acetone                  |         |        | 0.16    | 0.37    | 0.67    | 0.38    | 0.90     | 0.35     |
| Propionaldehyde          |         |        | 0.12    | 0.16    | 0.05    | 0.16    | 0.17     | 0.08     |
| Crotonaldehyde           |         |        | ND      | ND      | ND      | ND      | 0.01     | 0.005    |
| Butyr/Isobutyraldehyde   |         |        | 0.21    | 0.16    | 0.14    | 0.09    | 0.17     | 0.12     |
| Benzaldehyde             |         |        | 0.07    | 0.06    | 0.05    | 0.05    | 0.08     | 0.04     |
| Isovaleraldehyde         |         |        | ND      | 0.04    | ND      | ND      | 0.08     | ND       |
| Valeraldehyde            |         |        | 0.20    | 0.05    | 0.02    | 0.02    | 0.05     | 0.02     |
| Tolualdehydes            |         |        | 0.07    | 0.06    | 0.03    | 0.01    | 0.11     | 0.03     |
| Hexaldehyde              |         |        | 0.27    | 0.07    | 0.05    | 0.53    | 0.05     | 0.02     |
| 2,5-Dimethylbenzaldehyde |         |        | ND      | ND      | ND      | ND      | ND       | ND       |

u - Concentration is below the detection limit.

1 of 3

# Pascagoula, Mississippi (PGMS) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23483    | 23704    | 23863    | 23952    | 24090    | 24125    | 24432   | 24655    |
|--------------------------|----------|----------|----------|----------|----------|----------|---------|----------|
| SAMPLE DATE              | 10/16/01 | 10/28/01 | 11/3/01  | 11/9/01  | 11/18/01 | 11/21/01 | 12/3/01 | 12/15/01 |
| ANALYSIS DATE            | 11/6/01  | 11/13/01 | 11/20/01 | 11/26/01 | 12/3/01  | 12/7/01  | 1/7/02  | 1/17/02  |
| FILE NAME                | F1KE055  | F1KL018  | F1KT013  | Q1KZ012  | F1LC013  | F1LG011  | F2AG015 | Q2AQ007  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     |
| Formaldehyde             | 3.26     | 3.68     | 3.74     | 5.81     | 3.88     | 2.82     | 3.35    | 3.62     |
| Acetaldehyde             | 1.01     | 1.40     | 1.18     | 2.16     | 1.47     | 1.33     | 1.34    | 1.14     |
| Acetone                  | 1.23     | 2.82     | 0.90     | 2.20     | 0.81     | 1.79     | 1.52    | 0.48     |
| Propionaldehyde          | 0.08     | 0.08     | 0.08     | 0.23     | 0.13     | 0.12     | 0.12    | 0.10     |
| Crotonaldehyde           | 0.01     | 0.02     | 0.01     | 0.09     | 0.01     | 0.02     | 0.02    | 0.06     |
| Butyr/Isobutyraldehyde   | 0.13     | 0.13     | 0.12     | 0.13     | 0.12     | 0.14     | 0.13    | 0.08     |
| Benzaldehyde             | 0.04     | 0.04     | 0.04     | 0.08     | 0.05     | 0.07     | 0.07    | 0.03     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | ND       | ND      | ND       |
| Valeraldehyde            | 0.02     | 0.04     | 0.04     | 0.03     | 0.05     | 0.04     | 0.04    | 0.004    |
| Tolualdehydes            | 0.03     | 0.08     | 0.03     | 0.07     | 0.04     | 0.04     | 0.03    | ND       |
| Hexaldehyde              | 0.03     | 0.02     | 0.02     | 0.47     | 0.03     | 0.03     | 0.03    | 0.26     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | 0.03     | ND      | ND       |

u - Concentration is below the detection limit.

2 of 3

# Pascagoula, Mississippi (PGMS) 2001 UATMP Carbonyl Final Data Report

|                          |          |
|--------------------------|----------|
| SAMPLE #                 | 24910    |
| SAMPLE DATE              | 12/27/01 |
| ANALYSIS DATE            | 1/22/02  |
| FILE NAME                | F2AU023  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.92     |
| Acetaldehyde             | 1.17     |
| Acetone                  | 1.50     |
| Propionaldehyde          | 0.11     |
| Crotonaldehyde           | 0.01     |
| Butyr/Isobutyraldehyde   | 0.11     |
| Benzaldehyde             | 0.03     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.02     |
| Tolualdehydes            | 0.05     |
| Hexaldehyde              | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit.

3 of 3

# Pascagoula, Mississippi (PGMS) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | VOID     | F1I-049  | F1JZ009  | F1KH077  | Q1KZ011  | Q2AQ006  |
|--------------------------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 21776 FB | 22547 FB | 22975 FB | 23265 FB | 23951 FB | 24654 FB |
| Sample Date              | 7/24/01  | 8/29/01  | 9/22/01  | 10/4/01  | 11/9/01  | 12/15/01 |
| Date Analyzed            | VOID     | 9/28/01  | 10/26/01 | 11/10/01 | 11/26/01 | 1/17/02  |
| Formaldehyde             |          | 0.051    | 0.051    | 0.053    | 0.009    | 0.033    |
| Acetaldehyde             |          | 0.066    | 0.073    | 0.065    | 0.043    | 0.009    |
| Acetone                  |          | 0.285    | 0.225    | 0.193    | 0.198    | 0.274    |
| Propionaldehyde          |          | 0.002    | 0.004    | ND       | ND       | ND       |
| Crotonaldehyde           |          | ND       | ND       | 0.179    | ND       | ND       |
| Butyraldehyde            |          | 0.075    | 0.135    | 0.180    | ND       | ND       |
| Benzaldehyde             |          | 0.007    | 0.017    | 0.016    | ND       | ND       |
| Isovaleraldehyde         |          | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            |          | 0.009    | 0.016    | 0.010    | ND       | ND       |
| Tolualdehydes            |          | 0.031    | 0.062    | 0.061    | 0.025    | ND       |
| Hexaldehyde              |          | 0.018    | 0.020    | 0.024    | 0.040    | 0.032    |
| 2,5-Dimethylbenzaldehyde |          | ND       | ND       | ND       | ND       | ND       |

# River Rouge, Michigan (RRMI) 2001 UATMP Carbonyl Final Data Report

|                          |         |
|--------------------------|---------|
| SAMPLE #                 | 20156   |
| SAMPLE DATE              | 5/13/01 |
| ANALYSIS DATE            | 6/14/01 |
| FILE NAME                | F1FN010 |
| UNITS                    | ppbv    |
| Formaldehyde             | 12.58   |
| Acetaldehyde             | 5.16    |
| Acetone                  | 5.64    |
| Propionaldehyde          | 1.14    |
| Crotonaldehyde           | 0.04    |
| Butyr/Isobutyraldehyde   | 1.27    |
| Benzaldehyde             | 0.17    |
| Isovaleraldehyde         | ND      |
| Valeraldehyde            | 0.91    |
| Tolualdehydes            | 0.29    |
| Hexaldehyde              | 0.23    |
| 2,5-Dimethylbenzaldehyde | 0.0002u |

u - Concentration is below detection limit.

1 of 1

# River Rouge, Michigan (RRMI) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

|                          | F1GZ010  | F1HF014  | F1I#020  |
|--------------------------|----------|----------|----------|
| Data File ID             | 20166 FB | 21657 FB | 22626 FB |
| FB ID                    |          |          |          |
| Sample Date              | 5/13/01  | 7/18/01  | 8/29/01  |
| Date Analyzed            | 7/26/01  | 8/6/01   | 9/30/01  |
|                          |          |          |          |
| Formaldehyde             | 0.408    | 0.345    | 0.411    |
| Acetaldehyde             | 0.137    | 0.080    | 0.078    |
| Acetone                  | 0.201    | 0.115    | 0.272    |
| Propionaldehyde          | 0.007    | 0.001    | 0.003    |
| Crotonaldehyde           | ND       | ND       | ND       |
| Butyraldehyde            | ND       | 0.019    | 0.270    |
| Benzaldehyde             | ND       | ND       | 0.012    |
| Isovaleraldehyde         | ND       | ND       | ND       |
| Valeraldehyde            | ND       | -0.001   | 0.008    |
| Tolualdehydes            | ND       | 0.052    | 0.051    |
| Hexaldehyde              | 0.047    | 0.016    | 0.025    |
| 2,5-Dimethylbenzaldehyde | 0.002    | 0.156    | ND       |

# River Rouge, Michigan (R2MI) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

|                          |          |
|--------------------------|----------|
| Data File ID             | Q1IL042  |
| FB ID                    | 22225 FB |
| Sample Date              | 8/17/01  |
| Date Analyzed            | 9/13/01  |
|                          |          |
| Formaldehyde             | 0.626    |
| Acetaldehyde             | 0.098    |
| Acetone                  | 0.187    |
| Propionaldehyde          | -0.017   |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | ND       |
| Benzaldehyde             | -0.001   |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | ND       |
| Tolualdehydes            | 0.185    |
| Hexaldehyde              | 0.031    |
| 2,5-Dimethylbenzaldehyde | ND       |

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19037    | 19040    | 19066   | 19132   | 19174   | 19202   | 19271   | 19325 D1 |
|--------------------------|----------|----------|---------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 1/1/01   | 1/7/01   | 1/13/01 | 1/19/01 | 1/25/01 | 1/31/01 | 2/6/01  | 2/12/01  |
| ANALYSIS DATE            | 1/31/01  | 1/31/01  | 2/6/01  | 2/7/01  | 2/9/01  | 2/14/01 | 2/28/01 | 3/6/01   |
| FILE NAME                | Q1A\$030 | Q1A\$031 | Q1BF011 | Q1BF023 | Q1BH031 | Q1BM025 | Q1B~023 | Q1CE024  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     |
| Formaldehyde             | 1.98     | 1.48     | 1.85    | 1.85    | 1.75    | 1.79    | 1.85    | 2.17     |
| Acetaldehyde             | 1.20     | 0.92     | 0.94    | 0.43    | 0.75    | 0.59    | 0.90    | 0.79     |
| Acetone                  | 1.35     | 1.19     | 1.30    | 0.29    | 1.86    | 0.53    | 1.56    | 0.54     |
| Propionaldehyde          | 0.16     | 0.07     | 0.10    | 0.03    | 0.04    | 0.06    | 0.09    | 0.06     |
| Crotonaldehyde           | 0.04     | 0.01     | ND      | ND      | 0.02    | 0.04    | 0.02    | 0.05     |
| Butyr/Isobutyraldehyde   | 0.07     | 0.03     | 0.06    | 0.04    | ND      | 0.04    | 0.04    | 0.03     |
| Benzaldehyde             | 0.04     | 0.03     | 0.04    | 0.03    | 0.04    | 0.03    | 0.03    | 0.02     |
| Isovaleraldehyde         | ND       | ND       | ND      | ND      | ND      | ND      | ND      | 0.004u   |
| Valeraldehyde            | 0.02     | 0.02     | ND      | 0.01    | ND      | ND      | 0.01    | 0.005    |
| Tolualdehydes            | 0.04     | 0.06     | 0.02    | 0.03    | 0.02    | ND      | 0.01    | 0.05     |
| Hexaldehyde              | ND       | ND       | 0.19    | 0.11    | ND      | 0.15    | ND      | ND       |
| 2,5-Dimethylbenzaldehyde | 0.03     | 0.01     | ND      | ND      | 0.02    | ND      | 0.003u  | 0.004u   |

u - Concentration below detection limit

\* - Sample diluted 10X due to high moisture content

# - Sample run in right flow channel due to blockage in left channel.

## - Sample had high level of contamination, reruns the same.

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19325 R1 | 19326 D2 | 19326 R2 | 19363 D1 | 19363 R1 | 19364 D2 | 19364 R2 | 19425   |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 2/12/01  | 2/12/01  | 2/12/01  | 2/18/01  | 2/18/01  | 2/18/01  | 2/18/01  | 2/24/01 |
| ANALYSIS DATE            | 3/6/01   | 3/6/01   | 3/6/01   | 3/14/01  | 3/14/01  | 3/14/01  | 3/14/01  | 4/9/01  |
| FILE NAME                | Q1CE025  | Q1CE026  | Q1CE027  | Q1CN013  | Q1CN014  | Q1CN015  | Q1CN016  | F1DI009 |
| UNITS                    | ppbv     | ppbv    |
| Formaldehyde             | 2.19     | 2.25     | 2.22     | 4.39     | 4.45     | 4.63     | 4.60     | 2.24    |
| Acetaldehyde             | 0.77     | 0.76     | 0.75     | 2.32     | 2.36     | 2.44     | 2.43     | 1.60    |
| Acetone                  | 0.53     | 0.57     | 0.55     | 1.87     | 1.90     | 2.02     | 2.03     | 0.63    |
| Propionaldehyde          | 0.06     | 0.07     | 0.07     | 0.18     | 0.18     | 0.17     | 0.20     | 0.04    |
| Crotonaldehyde           | 0.08     | 0.06     | 0.05     | 0.11     | 0.12     | 0.13     | 0.12     | ND      |
| Butyr/Isobutyraldehyde   | 0.03     | 0.05     | 0.05     | 0.24     | 0.24     | 0.27     | 0.24     | 0.06    |
| Benzaldehyde             | 0.03     | 0.03     | 0.02     | 0.08     | 0.07     | 0.08     | 0.06     | 0.05    |
| Isovaleraldehyde         | 0.01     | 0.01     | ND       | 0.09     | 0.07     | 0.07     | 0.06     | ND      |
| Valeraldehyde            | 0.01     | 0.01     | ND       | 0.05     | 0.04     | 0.03     | 0.04     | 0.02    |
| Tolualdehydes            | 0.03     | 0.04     | 0.05     | 0.05     | 0.06     | 0.13     | 0.16     | 0.02    |
| Hexaldehyde              | ND       | 0.03    |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.01     | 0.003u   | 0.06     | 0.06     | 0.04     | 0.05     | ND      |

u - Concentration below detection limit

\* - Sample diluted 10X due to high moisture content

# - Sample run in right flow channel due to blockage in left channel.

## - Sample had high level of contamination, reruns the same.

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19461   | 19521   | 19551   | 19587   | 19710    | 19753    | 19774   | 19816   |
|--------------------------|---------|---------|---------|---------|----------|----------|---------|---------|
| SAMPLE DATE              | 3/2/01  | 3/8/01  | 3/14/01 | 3/20/01 | 3/26/01  | 4/1/01   | 4/7/01  | 4/13/01 |
| ANALYSIS DATE            | 4/17/01 | 4/12/01 | 4/18/01 | 4/19/01 | 5/1/01   | 5/1/01   | 5/8/01  | 5/16/01 |
| FILE NAME                | F1DP013 | F1DI049 | F1DP050 | F1DS014 | F1D\$019 | F1D\$039 | F1EG013 | Q1EO021 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 1.70    | 3.18    | 1.76    | 1.27    | 1.70     | 1.78     | 2.48    | 2.20    |
| Acetaldehyde             | 0.41    | 0.92    | 0.71    | 0.42    | 0.65     | 0.57     | 0.78    | 0.54    |
| Acetone                  | 0.48    | 1.81    | 0.61    | 0.84    | 1.36     | 1.41     | 0.64    | 0.33    |
| Propionaldehyde          | 0.01    | ND      | 0.03    | ND      | 0.03     | ND       | 0.03    | 0.04    |
| Crotonaldehyde           | ND      | 0.001u  | ND      | ND      | ND       | ND       | ND      | 0.06    |
| Butyr/Isobutyraldehyde   | 0.03    | 0.10    | 0.08    | 0.03    | ND       | 0.06     | 0.06    | 0.04    |
| Benzaldehyde             | 0.01    | 0.03    | 0.02    | 0.01    | 0.02     | 0.01     | 0.04    | 0.02    |
| Isovaleraldehyde         | ND      | ND      | ND      | ND      | ND       | ND       | ND      | ND      |
| Valeraldehyde            | 0.05    | 0.01    | 0.01    | 0.003   | ND       | 0.005    | 0.02    | ND      |
| Tolualdehydes            | ND      | ND      | 0.01    | ND      | 0.001u   | ND       | 0.02    | ND      |
| Hexaldehyde              | 0.02    | 0.02    | 0.06    | 0.02    | 0.02     | 0.03     | 0.04    | 0.15    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.02    | ND      | ND      | 0.03     | 0.005u   | ND      | ND      |

u - Concentration below detection limit

\* - Sample diluted 10X due to high moisture content

# - Sample run in right flow channel due to blockage in left channel.

## - Sample had high level of contamination, reruns the same.

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19891   | 19930   | 20007   | 20056   | 20128 D1 | 20128 R1 | 20129 D2 | 20129 R2 |
|--------------------------|---------|---------|---------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 4/19/01 | 4/25/01 | 5/1/01  | 5/7/01  | 5/13/01  | 5/13/01  | 5/13/01  | 5/13/01  |
| ANALYSIS DATE            | 5/18/01 | 5/18/01 | 5/18/01 | 5/18/01 | 7/26/01  | 7/27/01  | 7/27/01  | 7/27/01  |
| FILE NAME                | Q1EQ015 | Q1EQ023 | Q1EQ041 | F1EQ026 | F1GZ024  | F1GZ025  | F1GZ026  | F1GZ027  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 3.44    | 2.15    | 3.08    | 0.05    | 4.26     | 4.32     | 4.29     | 4.31     |
| Acetaldehyde             | 1.21    | 0.67    | 0.81    | 0.11    | 1.18     | 1.17     | 1.19     | 1.18     |
| Acetone                  | 2.25    | 0.53    | 0.95    | 0.11    | 1.22     | 1.24     | 1.28     | 1.30     |
| Propionaldehyde          | 0.03    | 0.05    | 0.05    | 0.002u  | 0.05     | 0.06     | 0.05     | 0.06     |
| Crotonaldehyde           | 0.08    | 0.05    | ND      | ND      | ND       | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   | ND      | 0.03    | 0.04    | ND      | 0.03     | 0.03     | 0.02     | 0.05     |
| Benzaldehyde             | 0.05    | 0.06    | 0.06    | 0.01    | 0.05     | 0.04     | 0.05     | 0.03     |
| Isovaleraldehyde         | ND      | 0.01    | ND      | ND      | ND       | ND       | ND       | ND       |
| Valeraldehyde            | ND      | ND      | ND      | 0.001u  | ND       | ND       | ND       | ND       |
| Tolualdehydes            | ND      | 0.02    | ND      | ND      | 0.04     | 0.03     | 0.03     | 0.04     |
| Hexaldehyde              | 0.47    | 0.25    | 0.31    | 0.01    | 0.06     | 0.04     | 0.03     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | ND      | ND       | ND       | ND       | ND       |

u - Concentration below detection limit

\* - Sample diluted 10X due to high moisture content

# - Sample run in right flow channel due to blockage in left channel.

## - Sample had high level of contamination, reruns the same.

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20246 D1 | 20246 R1 | 20247 D2 | 20247 R2 | 20381   | 20445    | 20516  | 20609   |
|--------------------------|----------|----------|----------|----------|---------|----------|--------|---------|
| SAMPLE DATE              | 5/19/01  | 5/19/01  | 5/19/01  | 5/19/01  | 5/25/01 | 5/31/01  | 6/6/01 | 6/12/01 |
| ANALYSIS DATE            | 6/15/01  | 6/15/01  | 6/15/01  | 6/15/01  | VOID    | 6/21/01  | VOID   | VOID    |
| FILE NAME                | F1FN046  | F1FN047  | F1FN049  | F1FN050  | VOID    | *F1FT026 | VOID   | VOID    |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv   | ppbv    |
| Formaldehyde             | 3.46     | 3.53     | 4.08     | 4.08     |         | 10.33    |        |         |
| Acetaldehyde             | 1.15     | 1.16     | 1.40     | 1.37     |         | 0.78     |        |         |
| Acetone                  | 1.39     | 1.39     | 1.49     | 1.46     |         | 0.28     |        |         |
| Propionaldehyde          | 0.04     | 0.04     | ND       | ND       |         | ND       |        |         |
| Crotonaldehyde           | ND       | ND       | ND       | ND       |         | ND       |        |         |
| Butyr/Isobutyraldehyde   | 0.09     | 0.10     | 0.09     | 0.11     |         | ND       |        |         |
| Benzaldehyde             | 0.05     | 0.05     | 0.03     | 0.04     |         | ND       |        |         |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       |         | ND       |        |         |
| Valeraldehyde            | ND       | 0.003u   | 0.01     | ND       |         | ND       |        |         |
| Tolualdehydes            | 0.11     | 0.18     | 0.01     | ND       |         | ND       |        |         |
| Hexaldehyde              | 0.09     | 0.03     | 0.03     | 0.03     |         | ND       |        |         |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       |         | ND       |        |         |

u - Concentration below detection limit

\* - Sample diluted 10X due to high moisture content

# - Sample run in right flow channel due to blockage in left channel.

## - Sample had high level of contamination, reruns the same.

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21050 D1 | 21050 R1 | 21051 D2 | 21051 R2 | 21202   | 21419     | 21482    | 21650   |
|--------------------------|----------|----------|----------|----------|---------|-----------|----------|---------|
| SAMPLE DATE              | 6/24/01  | 6/24/01  | 6/24/01  | 6/24/01  | 6/30/01 | 7/6/01    | 7/12/01  | 7/18/01 |
| ANALYSIS DATE            | 7/24/01  | 7/24/01  | 7/25/01  | 7/25/01  | 7/24/01 | 7/29/01   | 9/10/01  | VOID    |
| FILE NAME                | Q1GW040  | Q1GW041  | Q1GY007  | Q1GY008  | Q1GW052 | ##F1G#008 | #Q1IJ006 | VOID    |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv      | ppbv     | ppbv    |
| Formaldehyde             | 5.54     | 5.81     | 2.12     | 2.23     | 7.44    | 5.66      | 0.93     |         |
| Acetaldehyde             | 0.36     | 0.23     | 0.60     | 0.59     | 0.12    | ND        | ND       |         |
| Acetone                  | 0.08     | 0.09     | 0.57     | 0.51     | 0.003u  | ND        | ND       |         |
| Propionaldehyde          | ND       | ND       | 0.09     | 0.06     | ND      | ND        | ND       |         |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND      | ND        | ND       |         |
| Butyr/Isobutyraldehyde   | 0.59     | 0.35     | 0.03     | 0.04     | ND      | 0.51      | ND       |         |
| Benzaldehyde             | 0.55     | 0.59     | 0.02     | 0.02     | 0.09    | ND        | 0.0004u  |         |
| Isovaleraldehyde         | 0.02     | 0.09     | ND       | ND       | ND      | ND        | ND       |         |
| Valeraldehyde            | 0.04     | 0.14     | 0.004    | 0.005    | ND      | ND        | 0.02     |         |
| Tolualdehydes            | 0.20     | 0.08     | 0.02     | 0.01     | ND      | 0.82      | ND       |         |
| Hexaldehyde              | 0.22     | 0.25     | 0.14     | 0.13     | 0.13    | ND        | ND       |         |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND      | ND        | ND       |         |

u - Concentration below detection limit

\* - Sample diluted 10X due to high moisture content

# - Sample run in right flow channel due to blockage in left channel.

## - Sample had high level of contamination, reruns the same.

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21766   | 21812   | 22050   | 22200   | 22326 D1 | 22326 R1 | 22327 D2 | 22327 R2 |
|--------------------------|---------|---------|---------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 7/24/01 | 7/30/01 | 8/5/01  | 8/11/01 | 8/17/01  | 8/17/01  | 8/17/01  | 8/17/01  |
| ANALYSIS DATE            | VOID    | 8/15/01 | 8/28/01 | 9/12/01 | 9/13/01  | 9/13/01  | 9/13/01  | 9/13/01  |
| FILE NAME                | VOID    | F1HN021 | F1H~015 | Q1IL015 | *Q1IL033 | *Q1IL034 | *Q1IL035 | *Q1IL036 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             |         | 3.45    | 1.70    | 2.31    | 41.51    | 42.94    | 10.34    | 10.25    |
| Acetaldehyde             |         | 0.86    | 0.48    | 0.70    | ND       | ND       | 2.02     | 2.01     |
| Acetone                  |         | 0.24    | 0.13    | 0.33    | ND       | ND       | 6.50     | 6.34     |
| Propionaldehyde          |         | 0.08    | 0.03    | 0.06    | ND       | ND       | ND       | 0.24     |
| Crotonaldehyde           |         | ND      | ND      | 0.14    | ND       | ND       | ND       | ND       |
| Butyr/Isobutyraldehyde   |         | 0.05    | 0.21    | 0.03    | ND       | ND       | ND       | ND       |
| Benzaldehyde             |         | 0.04    | 0.06    | 0.02    | ND       | ND       | 0.63     | 1.10     |
| Isovaleraldehyde         |         | 0.03    | ND      | ND      | ND       | ND       | ND       | ND       |
| Valeraldehyde            |         | 0.01    | 0.001u  | ND      | ND       | ND       | ND       | ND       |
| Tolualdehydes            |         | 0.08    | 0.03    | 0.04    | 2.02     | 1.52     | ND       | ND       |
| Hexaldehyde              |         | 0.02    | 0.01    | 0.28    | 1.38     | 1.47     | 0.65     | 0.63     |
| 2,5-Dimethylbenzaldehyde |         | ND      | ND      | ND      | ND       | ND       | ND       | ND       |

u - Concentration below detection limit

\* - Sample diluted 10X due to high moisture content

# - Sample run in right flow channel due to blockage in left channel.

## - Sample had high level of contamination, reruns the same.

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 2389 D1 | 22389 R1 | 22390 D2 | 22390 R2 | 22585    | 22851    | 22854    | 22944    |
|--------------------------|---------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 8/23/01 | 8/23/01  | 8/23/01  | 8/23/01  | 9/4/01   | 9/10/01  | 9/16/01  | 9/19/01  |
| ANALYSIS DATE            | 9/21/01 | 9/21/01  | 9/21/01  | 9/21/01  | 10/17/01 | 10/23/01 | 10/23/01 | 10/24/01 |
| FILE NAME                | F1IT049 | F1IT050  | F1IT051  | F1IT052  | Q1JQ008  | F1JV008  | F1JV011  | F1JV027  |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 4.07    | 4.02     | 3.74     | 3.70     | 2.62     | 2.26     | 4.78     | 3.86     |
| Acetaldehyde             | 0.83    | 0.81     | 0.78     | 0.77     | 0.94     | 0.78     | 2.13     | 1.44     |
| Acetone                  | 0.35    | 0.34     | 0.30     | 0.31     | 0.29     | 0.35     | 0.73     | 0.54     |
| Propionaldehyde          | 0.07    | 0.07     | 0.06     | 0.06     | 0.08     | 0.05     | 0.14     | 0.11     |
| Crotonaldehyde           | ND      | ND       | ND       | ND       | 0.15     | 0.003    | 0.006    | ND       |
| Butyr/Isobutyraldehyde   | 0.09    | 0.08     | 0.07     | 0.07     | 0.05     | 0.12     | 0.15     | 0.16     |
| Benzaldehyde             | 0.05    | 0.04     | 0.04     | 0.04     | 0.02     | 0.04     | 0.05     | 0.04     |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     | 0.02     | 0.04     | 0.03     |
| Tolualdehydes            | 0.03    | 0.03     | 0.03     | 0.02     | 0.01     | 0.03     | 0.03     | 0.03     |
| Hexaldehyde              | 0.02    | 0.03     | 0.02     | 0.02     | 0.12     | 0.02     | 0.03     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND      | ND       | ND       | ND       | ND       | ND       | ND       | ND       |

u - Concentration below detection limit

\* - Sample diluted 10X due to high moisture content

# - Sample run in right flow channel due to blockage in left channel.

## - Sample had high level of contamination, reruns the same.

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22948    | 23151    | 23232   | 23314    | 23421    | 23550    | 23643    | 23752    |
|--------------------------|----------|----------|---------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/22/01  | 9/28/01  | 10/4/01 | 10/10/01 | 10/16/01 | 10/22/01 | 10/28/01 | 10/31/01 |
| ANALYSIS DATE            | 10/24/01 | 10/26/01 | 11/1/01 | 11/6/01  | 11/7/01  | 11/9/01  | 11/13/01 | 11/13/01 |
| FILE NAME                | F1JV031  | F1JZ020  | F1KA010 | F1KE034  | F1KE067  | F1KH048  | F1KL030  | F1KL027  |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 3.96     | 2.63     | 3.78    | 2.81     | 4.63     | 3.09     | 3.03     | 2.15     |
| Acetaldehyde             | 1.67     | 1.06     | 1.26    | 1.05     | 1.75     | 1.10     | 1.20     | 0.90     |
| Acetone                  | 0.52     | 0.47     | 0.65    | 0.28     | 0.85     | 0.43     | 0.83     | 0.36     |
| Propionaldehyde          | 0.18     | 0.07     | 0.11    | 0.03     | 0.17     | 0.09     | 0.07     | 0.07     |
| Crotonaldehyde           | 0.008    | 0.01     | 0.008   | ND       | 0.004    | 0.003    | 0.006    | 0.002u   |
| Butyr/Isobutyraldehyde   | 0.18     | 0.20     | 0.18    | 0.16     | 0.13     | 0.16     | 0.13     | 0.13     |
| Benzaldehyde             | 0.04     | 0.03     | 0.04    | 0.02     | 0.06     | 0.04     | 0.02     | 0.02     |
| Isovaleraldehyde         | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.03     | 0.03    | 0.01     | 0.03     | 0.02     | 0.03     | 0.02     |
| Tolualdehydes            | 0.05     | 0.04     | 0.03    | 0.02     | 0.04     | 0.03     | 0.02     | 0.02     |
| Hexaldehyde              | 0.03     | 0.03     | 0.03    | 0.02     | 0.02     | 0.02     | 0.01     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND      | ND       | ND       | ND       | ND       | ND       |

u - Concentration below detection limit

\* - Sample diluted 10X due to high moisture content

# - Sample run in right flow channel due to blockage in left channel.

## - Sample had high level of contamination, reruns the same.

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23785    | 24020    | 24025    | 24029    | 24177    | 24182    | 24225    | 24296    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 11/3/01  | 11/9/01  | 11/15/01 | 11/18/01 | 11/21/01 | 11/24/01 | 11/27/01 | 11/30/01 |
| ANALYSIS DATE            | 11/20/01 | 11/29/01 | 11/29/01 | 11/29/01 | 12/6/01  | 12/7/01  | 12/11/01 | 12/11/01 |
| FILE NAME                | F1KT005  | F1K!036  | F1K!041  | F1K!045  | F1LF018  | F1LF023  | F1LK009  | F1LK015  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.76     | 3.15     | 2.16     | 3.42     | 2.89     | 3.58     | 2.21     | 2.29     |
| Acetaldehyde             | 0.89     | 1.39     | 0.85     | 1.35     | 1.37     | 1.50     | 0.71     | 0.76     |
| Acetone                  | 0.31     | 0.73     | 0.51     | 0.66     | 0.86     | 0.56     | 0.40     | 0.50     |
| Propionaldehyde          | 0.06     | 0.19     | 0.09     | 0.08     | 0.10     | 0.18     | 0.06     | 0.07     |
| Crotonaldehyde           | ND       | 0.006    | ND       | 0.006    | 0.006    | 0.02     | 0.004    | 0.004    |
| Butyr/Isobutyraldehyde   | 0.09     | 0.11     | 0.08     | 0.13     | 0.09     | 0.19     | 0.07     | 0.08     |
| Benzaldehyde             | 0.02     | 0.02     | 0.01     | 0.02     | 0.03     | 0.06     | 0.01     | 0.03     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.02     | 0.02     | 0.004    | 0.01     | 0.03     | 0.05     | 0.01     | 0.02     |
| Tolualdehydes            | 0.02     | 0.04     | 0.02     | 0.02     | 0.03     | 0.06     | 0.02     | 0.02     |
| Hexaldehyde              | 0.02     | 0.01     | 0.01     | 0.01     | 0.01     | 0.03     | 0.01     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration below detection limit

\* - Sample diluted 10X due to high moisture content

# - Sample run in right flow channel due to blockage in left channel.

## - Sample had high level of contamination, reruns the same.

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24414   | 24479   | 24659    | 24658    | 24859    | 24828    | 24857    |
|--------------------------|---------|---------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 12/3/01 | 12/6/01 | 12/12/01 | 12/15/01 | 12/18/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/2/02  | 1/8/02  | 1/14/02  | 1/14/02  | 1/18/02  | 1/18/02  | 1/21/02  |
| FILE NAME                | F2AB013 | F2AG031 | F2AN015  | F2AN014  | F2AR019  | F2AR018  | F2AU015  |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 3.14    | 1.69    | 2.84     | 2.83     | 2.30     | 3.03     | 2.35     |
| Acetaldehyde             | 1.22    | 0.66    | 0.89     | 1.00     | 0.72     | 1.37     | 1.09     |
| Acetone                  | 0.77    | 0.28    | 0.46     | 0.46     | 0.63     | 1.37     | 1.42     |
| Propionaldehyde          | 0.09    | 0.06    | 0.10     | 0.09     | 0.05     | 0.10     | 0.10     |
| Crotonaldehyde           | 0.007   | 0.005   | 0.003    | 0.004    | ND       | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.08    | 0.06    | 0.09     | 0.10     | 0.05     | 0.11     | 0.10     |
| Benzaldehyde             | 0.03    | 0.03    | 0.02     | 0.03     | 0.01     | 0.03     | 0.02     |
| Isovaleraldehyde         | ND      | ND      | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.02    | 0.01    | 0.01     | 0.02     | 0.01     | 0.02     | 0.02     |
| Tolualdehydes            | 0.03    | 0.02    | 0.02     | 0.03     | 0.02     | 0.05     | 0.04     |
| Hexaldehyde              | 0.01    | 0.01    | 0.02     | 0.02     | 0.01     | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND       | ND       | ND       | ND       | ND       |

u - Concentration below detection limit

\* - Sample diluted 10X due to high moisture content

# - Sample run in right flow channel due to blockage in left channel.

## - Sample had high level of contamination, reruns the same.

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1BF024  | Q1BH034  | Q1B~024  | F1DI020  | F1DI050  | F1D\$020 | Q1EO022  | Q1EQ016  | F1EQ027  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 19133 FB | 19175 FB | 19272 FB | 19426 FB | 19522 FB | 19711 FB | 19817 FB | 19892 FB | 20055 FB |
| Date Sampled             | 1/19/01  | 1/25/01  | 2/6/01   | 2/24/01  | 3/8/01   | 3/26/01  | 4/13/01  | 4/19/01  | 5/7/01   |
| Date Analyzed            | 2/7/01   | 2/9/01   | 2/28/01  | 4/11/01  | 4/12/01  | 5/1/01   | 5/16/01  | 5/18/01  | 5/18/01  |
| Formaldehyde             | 0.02     | 0.04     | 0.07     | 0.05     | 0.03     | 0.28     | 0.02     | 0.02     | 0.04     |
| Acetaldehyde             | 0.07     | 0.06     | 0.07     | 0.09     | 0.09     | 0.09     | 0.11     | 0.09     | 0.13     |
| Acetone                  | 0.10     | 0.09     | 0.12     | 0.10     | 0.11     | 0.12     | 0.09     | 0.09     | 0.18     |
| Propionaldehyde          | ND       | ND       | 0.002    | ND       | ND       | 0.001    | ND       | ND       | 0.003    |
| Crotonaldehyde           | ND       |
| Butyraldehyde            | 0.003    | ND       | ND       | 0.01     | 0.007    | 0.008    | ND       | ND       | ND       |
| Benzaldehyde             | 0.01     | 0.004    | 0.01     | 0.006    | ND       | ND       | ND       | ND       | 0.02     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | ND       | ND       | ND       | ND       | 0.001    | 0.002    | ND       | ND       | 0.003    |
| Tolualdehydes            | ND       |
| Hexaldehyde              | 0.05     | ND       | 0.16     | 0.03     | 0.03     | 0.04     | 0.03     | 0.02     | 0.04     |
| 2,5-Dimethylbenzaldehyde | ND       |

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1FN037<br>20380 FB | F1F!018<br>20608 FB | Q1GW051<br>21201 FB | VOID<br>21649 FB | VOID<br>21767 FB | Q1IL007<br>22199 FB | Q1JQ007<br>22584 FB | F1JV030<br>22947 FB | F1KE033<br>23313 FB |
|--------------------------|---------------------|---------------------|---------------------|------------------|------------------|---------------------|---------------------|---------------------|---------------------|
| FB ID                    |                     |                     |                     |                  |                  |                     |                     |                     |                     |
| Date Sampled             | 5/25/01             | 6/12/01             | 6/30/01             | 7/18/01          | 7/24/01          | 8/6/01              | 9/4/01              | 9/22/01             | 10/10/01            |
| Date Analyzed            | 6/15/01             | 6/29/01             | 7/24/01             | VOID             | VOID             | 9/12/01             | 10/17/01            | 10/24/01            | 11/6/01             |
| Formaldehyde             | 0.06                | 0.07                | 0.02                |                  |                  | 0.03                | 0.01                | 0.05                | 0.05                |
| Acetaldehyde             | 0.15                | 0.08                | 0.02                |                  |                  | 0.05                | 0.06                | 0.08                | 0.07                |
| Acetone                  | 0.18                | 0.21                | 0.11                |                  |                  | 0.07                | 0.26                | 0.27                | 0.24                |
| Propionaldehyde          | ND                  | ND                  | ND                  |                  |                  | ND                  | ND                  | 0.009               | 0.011               |
| Crotonaldehyde           | ND                  | ND                  | ND                  |                  |                  | ND                  | ND                  | ND                  | ND                  |
| Butyraldehyde            | 0.07                | 0.10                | ND                  |                  |                  | ND                  | 0.005               | 0.15                | 0.17                |
| Benzaldehyde             | 0.008               | 0.02                | ND                  |                  |                  | ND                  | ND                  | 0.007               | 0.02                |
| Isovaleraldehyde         | 0.02                | 0.01                | ND                  |                  |                  | ND                  | ND                  | ND                  | ND                  |
| Valeraldehyde            | ND                  | ND                  | ND                  |                  |                  | ND                  | ND                  | 0.02                | 0.008               |
| Tolualdehydes            | ND                  | 0.07                | ND                  |                  |                  | 0.004               | ND                  | 0.06                | 0.04                |
| Hexaldehyde              | 0.44                | 0.03                | 0.02                |                  |                  | 0.003               | 0.02                | 0.02                | 0.03                |
| 2,5-Dimethylbenzaldehyde | ND                  | ND                  | ND                  |                  |                  | ND                  | ND                  | ND                  | ND                  |

# Simmons, Florida (SIFL) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | F1KE066  | F1K!039  | F1LF017  |
|--------------------------|----------|----------|----------|
| FB ID                    | 23420 FB | 24023 FB | 24176 FB |
| Date Sampled             | 10/16/01 | 11/13/01 | 11/21/01 |
| Date Analyzed            | 11/7/01  | 11/29/01 | 12/6/01  |
|                          |          |          |          |
| Formaldehyde             | 0.03     | 0.06     | 0.07     |
| Acetaldehyde             | 0.11     | 0.10     | 0.06     |
| Acetone                  | 0.20     | 0.19     | 0.19     |
| Propionaldehyde          | ND       | 0.005    | 0.005    |
| Crotonaldehyde           | ND       | ND       | ND       |
| Butyraldehyde            | 0.19     | 0.12     | 0.12     |
| Benzaldehyde             | 0.008    | 0.02     | 0.02     |
| Isovaleraldehyde         | ND       | ND       | ND       |
| Valeraldehyde            | 0.014    | 0.003    | 0.03     |
| Tolualdehydes            | 0.05     | 0.06     | 0.03     |
| Hexaldehyde              | 0.02     | 0.02     | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       |

# San Juan, Puerto Rico (SJPR) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20419   | 20675    | 21024   | 21406   | 21643   | 21816   | 22079   | 22383   |
|--------------------------|---------|----------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/31/01 | 6/12/01  | 6/24/01 | 7/6/01  | 7/18/01 | 7/30/01 | 8/11/01 | 8/23/01 |
| ANALYSIS DATE            | VOID    | 6/23/01  | VOID    | 7/26/01 | VOID    | VOID    | VOID    | VOID    |
| FILE NAME                | VOID    | *Q1FU049 | VOID    | Q1GZ019 | VOID    | VOID    | VOID    | VOID    |
| UNITS                    | ppbv    | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             |         | 1.98     |         | 1.18    |         |         |         |         |
| Acetaldehyde             |         | ND       |         | 0.33    |         |         |         |         |
| Acetone                  |         | ND       |         | 0.39    |         |         |         |         |
| Propionaldehyde          |         | ND       |         | 0.00    |         |         |         |         |
| Crotonaldehyde           |         | ND       |         | ND      |         |         |         |         |
| Butyr/Isobutyraldehyde   |         | ND       |         | ND      |         |         |         |         |
| Benzaldehyde             |         | ND       |         | 0.05    |         |         |         |         |
| Isovaleraldehyde         |         | ND       |         | ND      |         |         |         |         |
| Valeraldehyde            |         | ND       |         | ND      |         |         |         |         |
| Tolualdehydes            |         | ND       |         | ND      |         |         |         |         |
| Hexaldehyde              |         | ND       |         | 0.03    |         |         |         |         |
| 2,5-Dimethylbenzaldehyde |         | ND       |         | ND      |         |         |         |         |

u - Concentration is below detection limit.

\* - Sample diluted 10X due to high moisture content in cartridge.

# San Juan, Puerto Rico (SJPR) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22830 D1 | 22832 D2 | 22984    | 23145    | 23322    | 23544    | 23760    | 24000    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/16/01  | 9/16/01  | 9/24/01  | 9/28/01  | 10/10/01 | 10/22/01 | 11/3/01  | 11/15/01 |
| ANALYSIS DATE            | VOID     | VOID     | 10/26/01 | 10/27/01 | 11/5/01  | 11/10/01 | 11/14/01 | 11/28/01 |
| FILE NAME                | VOID     | VOID     | F1JZ015  | F1JZ046  | *F1KE009 | *F1KH074 | F1KL048  | *F1K!014 |
| UNITS                    | ppbv     |
| Formaldehyde             |          |          | 4.45     | 3.52     | 10.55    | 7.12     | 2.35     | 2.07     |
| Acetaldehyde             |          |          | 2.40     | 1.74     | 0.99     | ND       | 1.68     | 0.09     |
| Acetone                  |          |          | 0.55     | 0.62     | 0.09     | ND       | 0.83     | 0.02     |
| Propionaldehyde          |          |          | 0.36     | 0.12     | ND       | ND       | 0.13     | ND       |
| Crotonaldehyde           |          |          | ND       | 0.01     | ND       | ND       | 0.01     | ND       |
| Butyr/Isobutyraldehyde   |          |          | 0.38     | 0.24     | ND       | ND       | 0.22     | 0.30     |
| Benzaldehyde             |          |          | 0.16     | 0.16     | 0.20     | 0.05     | 0.05     | 0.01     |
| Isovaleraldehyde         |          |          | ND       | 0.06     | ND       | ND       | ND       | ND       |
| Valeraldehyde            |          |          | 0.05     | 0.04     | ND       | ND       | 0.03     | 0.06     |
| Tolualdehydes            |          |          | 0.08     | 0.11     | 0.32     | 0.07     | 0.06     | ND       |
| Hexaldehyde              |          |          | 0.02     | 0.05     | ND       | 0.009    | 0.02     | ND       |
| 2,5-Dimethylbenzaldehyde |          |          | ND       | ND       | ND       | ND       | ND       | ND       |

u - Concentration is below detection limit.

\* - Sample diluted 10X due to high moisture content in cartridge.

# San Juan, Puerto Rico (SJPR) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24097    | 24121    | 24199    | 24356    | 24450   | 24793    | 24785    |
|--------------------------|----------|----------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 11/18/01 | 11/24/01 | 11/27/01 | 11/30/01 | 12/9/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 12/3/01  | 12/7/01  | 12/11/01 | 12/12/01 | 1/8/02  | VOID     | 1/22/02  |
| FILE NAME                | *F1LC016 | F1LG009  | F1LK021  | Q1LL015  | F2AG044 | VOID     | F2AU033  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 2.20     | 2.50     | 2.89     | 3.90     | 4.93    |          | 3.24     |
| Acetaldehyde             | 0.04     | 1.86     | 3.02     | 2.37     | 2.45    |          | 1.71     |
| Acetone                  | ND       | 1.49     | 1.84     | 2.30     | 1.31    |          | 0.47     |
| Propionaldehyde          | ND       | 0.10     | 0.15     | 0.13     | 0.23    |          | 0.29     |
| Crotonaldehyde           | ND       | ND       | ND       | 0.05     | ND      |          | 0.003    |
| Butyr/Isobutyraldehyde   | ND       | 0.11     | 0.23     | 0.05     | 0.62    |          | 0.13     |
| Benzaldehyde             | ND       | 0.05     | 0.06     | 0.06     | 0.06    |          | 0.06     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      |          | 0.01     |
| Valeraldehyde            | ND       | 0.02     | 0.02     | ND       | 0.03    |          | 0.03     |
| Tolualdehydes            | ND       | 0.08     | 0.03     | 0.15     | 0.05    |          | 0.07     |
| Hexaldehyde              | ND       | 0.03     | 0.02     | 0.32     | 0.04    |          | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND      |          | 0.001u   |

u - Concentration is below detection limit.

\* - Sample diluted 10X due to high moisture content in cartridge.

# San Juan, Puerto Rico (SJPR) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1GT013  | VOID     | VOID     | F1KH073  | F1LK020  | F2AG043  |
|--------------------------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 20674 FB | 21642 FB | 22081 FB | 23543 FB | 24198 FB | 24449 FB |
| Sample Date              | 6/12/01  | 7/18/01  | 8/11/01  | 10/22/01 | 11/27/01 | 12/9/01  |
| Date Analyzed            | 7/20/01  | VOID     | VOID     | 11/10/01 | 12/11/01 | 1/8/02   |
| Formaldehyde             | 0.097    |          |          | 0.052    | 0.180    | 0.074    |
| Acetaldehyde             | 0.053    |          |          | 0.126    | 0.035    | 0.122    |
| Acetone                  | 0.174    |          |          | 0.231    | 0.216    | 0.283    |
| Propionaldehyde          | ND       |          |          | 0.006    | ND       | ND       |
| Crotonaldehyde           | ND       |          |          | ND       | ND       | ND       |
| Butyraldehyde            | ND       |          |          | 0.285    | 0.065    | 0.091    |
| Benzaldehyde             | ND       |          |          | 0.018    | ND       | 0.008    |
| Isovaleraldehyde         | ND       |          |          | ND       | ND       | ND       |
| Valeraldehyde            | ND       |          |          | 0.007    | 0.006    | 0.005    |
| Tolualdehydes            | ND       |          |          | 0.123    | 0.018    | 0.022    |
| Hexaldehyde              | ND       |          |          | 0.017    | 0.016    | 0.014    |
| 2,5-Dimethylbenzaldehyde | 0.135    |          |          | ND       | ND       | ND       |

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19042 D1 | 19042 R1 | 19044 D2 | 19044 R2 | 19099   | 19179   | 19182   | 19243   | 19283   |
|--------------------------|----------|----------|----------|----------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 1/7/01   | 1/7/01   | 1/7/01   | 1/7/01   | 1/13/01 | 1/19/01 | 1/25/01 | 1/31/01 | 2/6/01  |
| ANALYSIS DATE            | 1/31/01  | 1/31/01  | 1/31/01  | 1/31/01  | 2/7/01  | 2/9/01  | 2/9/01  | 2/14/01 | 2/28/01 |
| FILE NAME                | Q1A%006  | Q1A%007  | Q1A%008  | Q1A%009  | Q1BF015 | Q1BH025 | Q1BH027 | Q1BM031 | Q1B~026 |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 4.50     | 4.40     | 1.11     | 1.05     | 4.02    | 2.97    | 3.47    | 3.40    | 4.52    |
| Acetaldehyde             | 3.57     | 3.51     | 2.10     | 1.92     | 1.26    | 1.27    | 1.11    | 1.35    | 1.86    |
| Acetone                  | 3.95     | 3.87     | 0.94     | 0.86     | 1.93    | 1.89    | 2.63    | 2.01    | 2.84    |
| Propionaldehyde          | 0.51     | 0.49     | 0.08     | 0.08     | 0.15    | 0.16    | 0.13    | 0.16    | 0.21    |
| Crotonaldehyde           | 0.07     | 0.08     | 0.04     | 0.06     | ND      | 0.05    | 0.05    | 0.05    | 0.06    |
| Butyr/Isobutyraldehyde   | 0.24     | 0.23     | 0.10     | 0.09     | 0.11    | 0.09    | 0.10    | 0.07    | 0.12    |
| Benzaldehyde             | 0.12     | 0.12     | 0.04     | 0.03     | 0.13    | 0.07    | 0.07    | 0.07    | 0.12    |
| Isovaleraldehyde         | ND       | ND       | 0.06     | 0.06     | ND      | ND      | ND      | ND      | ND      |
| Valeraldehyde            | 0.06     | 0.06     | 0.06     | 0.06     | 0.05    | 0.04    | 0.05    | 0.03    | 0.05    |
| Tolualdehydes            | 0.13     | 0.13     | 0.02     | 0.04     | 0.08    | 0.07    | 0.09    | 0.06    | 0.10    |
| Hexaldehyde              | 0.13     | 0.14     | 0.09     | 0.10     | 0.28    | 0.21    | 0.28    | 0.23    | 0.15    |
| 2,5-Dimethylbenzaldehyde | 0.01     | 0.02     | 0.0003u  | 0.01     | ND      | 0.04    | 0.01    | 0.03    | 0.03    |

u - Concentration is below the detection limit.

\* - Compound diluted 10X.

\*\* - Compound diluted 5X.

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19338 D1 | 19338 R1 | 19340 D2 | 19340 R2 | 19389 D1 | 19389 R1 | 19391 D2 | 19391 R2 | 19452   |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| SAMPLE DATE              | 2/12/01  | 2/12/01  | 2/12/01  | 2/12/01  | 2/18/01  | 2/18/01  | 2/18/01  | 2/18/01  | 2/24/01 |
| ANALYSIS DATE            | 3/5/01   | 3/6/01   | 3/6/01   | 3/6/01   | 3/15/01  | 3/15/01  | 3/15/01  | 3/15/01  | 4/11/01 |
| FILE NAME                | Q1CE011  | Q1CE012  | Q1CE013  | Q1CE014  | Q1CN017  | Q1CN018  | Q1CN019  | Q1CN020  | F1DI033 |
| UNITS                    | ppbv     | ppbv    |
| Formaldehyde             | 3.03     | 2.93     | 3.17     | 3.22     | 4.00     | 4.01     | 3.93     | 3.90     | 3.37    |
| Acetaldehyde             | 1.06     | 1.03     | 1.06     | 1.06     | 1.22     | 1.22     | 1.20     | 1.19     | 0.92    |
| Acetone                  | 1.61     | 1.52     | 1.53     | 1.57     | 1.93     | 1.94     | 1.84     | 1.85     | 1.35    |
| Propionaldehyde          | 0.14     | 0.12     | 0.13     | 0.13     | 0.11     | 0.12     | 0.10     | 0.12     | 0.05    |
| Crotonaldehyde           | 0.03     | 0.03     | 0.03     | 0.03     | 0.05     | 0.04     | 0.04     | 0.04     | 0.01    |
| Butyr/Isobutyraldehyde   | 0.06     | 0.07     | 0.07     | 0.06     | 0.08     | 0.07     | 0.06     | 0.06     | 0.10    |
| Benzaldehyde             | 0.06     | 0.05     | 0.05     | 0.05     | 0.07     | 0.06     | 0.08     | 0.08     | 0.07    |
| Isovaleraldehyde         | ND       | ND      |
| Valeraldehyde            | 0.03     | 0.04     | 0.03     | 0.04     | 0.03     | 0.03     | 0.04     | 0.03     | 0.02    |
| Tolualdehydes            | 0.05     | 0.06     | 0.08     | 0.05     | 0.09     | 0.09     | 0.08     | 0.08     | 0.02    |
| Hexaldehyde              | ND       | 0.07    |
| 2,5-Dimethylbenzaldehyde | 0.02     | 0.02     | ND       | ND       | 0.03     | 0.04     | 0.05     | 0.05     | 0.002u  |

u - Concentration is below the detection limit.

\* - Compound diluted 10X.

\*\* - Compound diluted 5X.

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19479   | 19540   | 19576   | 19626   | 19739    | 19759  | 19776  | 19839   | 19901   |
|--------------------------|---------|---------|---------|---------|----------|--------|--------|---------|---------|
| SAMPLE DATE              | 3/2/01  | 3/8/01  | 3/14/01 | 3/20/01 | 3/27/01  | 4/1/01 | 4/7/01 | 4/13/01 | 4/19/01 |
| ANALYSIS DATE            | 4/12/01 | 4/17/01 | 4/17/01 | 4/20/01 | 5/1/01   | VOID   | VOID   | VOID    | 5/16/01 |
| FILE NAME                | F1DI040 | F1DP030 | F1DP042 | F1DS022 | F1D\$034 | VOID   | VOID   | VOID    | Q1EO044 |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv   | ppbv   | ppbv    | ppbv    |
| Formaldehyde             | 2.81    | 4.00    | 1.99    | 3.83    | 2.71     |        |        |         | 2.44    |
| Acetaldehyde             | 0.82    | 1.58    | 0.60    | 1.12    | 0.70     |        |        |         | 0.65    |
| Acetone                  | 1.95    | 3.45    | 1.29    | 2.00    | 1.51     |        |        |         | 1.74    |
| Propionaldehyde          | 0.03    | 0.12    | 0.05    | 0.08    | 0.05     |        |        |         | 0.07    |
| Crotonaldehyde           | 0.002u  | 0.01    | 0.001u  | 0.01    | 0.001u   |        |        |         | 0.02    |
| Butyr/Isobutyraldehyde   | 0.10    | 0.19    | 0.08    | 0.12    | 0.11     |        |        |         | 0.05    |
| Benzaldehyde             | 0.06    | 0.09    | 0.05    | 0.08    | 0.05     |        |        |         | 0.03    |
| Isovaleraldehyde         | ND      | ND      | ND      | ND      | ND       |        |        |         | ND      |
| Valeraldehyde            | 0.02    | 0.04    | 0.03    | 0.04    | 0.03     |        |        |         | 0.02    |
| Tolualdehydes            | 0.03    | 0.05    | 0.03    | 0.05    | 0.03     |        |        |         | 0.04    |
| Hexaldehyde              | 0.06    | 0.09    | 0.07    | 0.11    | 0.08     |        |        |         | 0.17    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.01    | 0.0002u | 0.01    | ND       |        |        |         | 0.005   |

u - Concentration is below the detection limit.

\* - Compound diluted 10X.

\*\* - Compound diluted 5X.

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20249   | 20372 D1 | 20372 R1 | 20374 D2 | 20374 R2 | 20486   | 20545   | 20626   | 21034   |
|--------------------------|---------|----------|----------|----------|----------|---------|---------|---------|---------|
| SAMPLE DATE              | 5/19/01 | 5/25/01  | 5/25/01  | 5/25/01  | 5/25/01  | 5/31/01 | 6/6/01  | 6/12/01 | 6/18/01 |
| ANALYSIS DATE            | 6/4/01  | 6/8/01   | 6/8/01   | 6/8/01   | 6/8/01   | 6/19/01 | 6/22/01 | 6/28/01 | 7/11/01 |
| FILE NAME                | Q1FD007 | Q1FG033  | Q1FG034  | Q1FG035  | Q1FG036  | Q1FR016 | Q1FU014 | Q1F!008 | Q1GK009 |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    |
| Formaldehyde             | 5.11    | 7.11     | 6.44     | 6.84     | 7.10     | 6.08    | 5.08    | *59.59  | **35.66 |
| Acetaldehyde             | 1.96    | 2.83     | 2.50     | 2.68     | 2.70     | 2.52    | 1.61    | 5.79    | 5.20    |
| Acetone                  | 3.27    | 5.20     | 4.65     | 4.85     | 4.89     | 4.57    | 3.82    | 5.51    | 6.27    |
| Propionaldehyde          | 0.28    | 0.41     | 0.33     | 0.38     | 0.35     | 0.31    | 0.17    | 0.46    | 0.49    |
| Crotonaldehyde           | 0.06    | ND       | ND       | ND       | ND       | 0.08    | 0.05    | 0.15    | ND      |
| Butyr/Isobutyraldehyde   | 0.12    | 0.22     | 0.15     | 0.14     | 0.18     | 0.08    | 0.10    | 0.56    | 0.39    |
| Benzaldehyde             | 0.12    | 0.23     | 0.18     | 0.19     | 0.19     | 0.31    | 0.10    | 0.47    | 0.36    |
| Isovaleraldehyde         | ND      | ND       | ND       | ND       | ND       | ND      | ND      | 0.02    | ND      |
| Valeraldehyde            | 0.08    | 0.09     | 0.11     | 0.11     | 0.11     | 0.04    | 0.03    | 0.40    | 0.44    |
| Tolualdehydes            | 0.22    | 0.19     | 0.23     | 0.18     | 0.17     | 0.18    | 0.12    | ND      | 0.73    |
| Hexaldehyde              | 1.09    | 0.65     | 0.59     | 0.63     | 0.63     | 0.59    | 0.54    | 1.63    | 1.49    |
| 2,5-Dimethylbenzaldehyde | 0.05    | ND       | ND       | ND       | ND       | 0.07    | 0.03    | 0.02    | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 10X.

\*\* - Compound diluted 5X.

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21084   | 21452   | 21444   | 21529   | 21605   | 21785   | 21926   | 22057   | 22175   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 6/24/01 | 6/30/01 | 7/6/01  | 7/12/01 | 7/18/01 | 7/24/01 | 7/30/01 | 8/5/01  | 8/11/01 |
| ANALYSIS DATE            | 7/12/01 | 7/27/01 | 7/27/01 | 7/31/01 | 8/1/01  | 8/15/01 | 8/21/01 | 8/22/01 | 8/28/01 |
| FILE NAME                | Q1GK020 | Q1G~006 | Q1G~011 | Q1G%007 | Q1G%026 | F1HN032 | F1HU012 | Q1HV014 | Q1H~024 |
| UNITS                    | ppbv    |
| Formaldehyde             | 5.99    | 6.35    | 6.33    | 6.39    | 3.49    | 5.04    | 4.01    | 5.49    | 5.82    |
| Acetaldehyde             | 1.20    | 2.19    | 1.54    | 1.55    | 0.98    | 1.89    | 0.90    | 1.48    | 1.79    |
| Acetone                  | 2.59    | 3.49    | 1.30    | 1.88    | 2.23    | 3.05    | 1.97    | 1.84    | 2.51    |
| Propionaldehyde          | 0.03    | 0.23    | 0.05    | 0.12    | 0.03    | 0.14    | 0.03    | 0.18    | 0.17    |
| Crotonaldehyde           | 0.05    | 0.12    | 0.14    | 0.07    | 0.03    | 0.03    | 0.01    | 0.07    | 0.05    |
| Butyr/Isobutyraldehyde   | 0.03    | 0.12    | 0.07    | 0.07    | 0.01    | 0.23    | 0.07    | 0.17    | 0.09    |
| Benzaldehyde             | 0.06    | 0.08    | 0.09    | 0.13    | 0.06    | 0.09    | 0.05    | 0.07    | 0.11    |
| Isovaleraldehyde         | ND      | 0.002u  | 0.03    | 0.01    | ND      | 0.01    | 0.11    | ND      | ND      |
| Valeraldehyde            | ND      | 0.02    | ND      | 0.04    | 0.003   | 0.06    | 0.01    | 0.02    | 0.03    |
| Tolualdehydes            | 0.07    | 0.11    | 0.06    | 0.11    | 0.02    | 0.09    | 0.03    | 0.06    | 0.11    |
| Hexaldehyde              | 0.50    | 0.68    | 0.82    | 0.57    | 0.38    | 0.08    | 0.03    | 0.46    | 0.61    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | 0.04    | 0.03    | 0.05    | 0.01    | 0.06    | 0.02    | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 10X.

\*\* - Compound diluted 5X.

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22227 D1 | 22227 R1 | 22229 D2 | 22229 R2 | 22458   | 22575   | 22664   | 22842   | 22844 D1 |
|--------------------------|----------|----------|----------|----------|---------|---------|---------|---------|----------|
| SAMPLE DATE              | 8/17/01  | 8/17/01  | 8/17/01  | 8/17/01  | 8/23/01 | 8/29/01 | 9/4/01  | 9/10/01 | 9/16/01  |
| ANALYSIS DATE            | 8/31/01  | 8/31/01  | 8/31/01  | 8/31/01  | 9/26/01 | 9/27/01 | 9/27/01 | 9/28/01 | 10/19/01 |
| FILE NAME                | Q1H%016  | Q1H%017  | Q1H%019  | Q1H%020  | Q1IZ007 | Q1IZ025 | Q1IZ038 | Q1IZ060 | Q1JS010  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     |
| Formaldehyde             | 5.65     | 6.79     | 6.55     | 6.56     | 4.87    | 5.82    | 5.20    | 6.41    | 6.07     |
| Acetaldehyde             | 1.78     | 2.04     | 2.12     | 2.04     | 0.95    | 1.43    | 1.30    | 2.21    | 1.28     |
| Acetone                  | 2.29     | 2.72     | 2.81     | 2.73     | 1.86    | 2.05    | 1.27    | 2.23    | 2.57     |
| Propionaldehyde          | 0.15     | 0.19     | 0.21     | 0.18     | 0.07    | ND      | 0.09    | 0.23    | 0.08     |
| Crotonaldehyde           | 0.08     | 0.07     | 0.07     | 0.06     | 0.05    | 0.04    | 0.04    | 0.06    | 0.05     |
| Butyr/Isobutyraldehyde   | 0.12     | 0.10     | 0.12     | 0.10     | 0.06    | 0.01    | 0.04    | 0.16    | 0.06     |
| Benzaldehyde             | 0.08     | 0.10     | 0.09     | 0.11     | 0.07    | 0.10    | 0.07    | 0.09    | 0.11     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND      | ND      | ND      | ND      | ND       |
| Valeraldehyde            | 0.04     | 0.03     | 0.04     | 0.05     | 0.03    | ND      | 0.01    | 0.05    | 0.02     |
| Tolualdehydes            | 0.10     | 0.11     | 0.11     | 0.11     | 0.06    | 0.10    | 0.07    | 0.07    | 0.07     |
| Hexaldehyde              | 0.53     | 0.65     | 0.61     | 0.59     | 0.35    | 0.59    | 0.47    | 0.44    | 0.50     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND      | ND      | ND      | ND      | 0.02     |

u - Concentration is below the detection limit.

\* - Compound diluted 10X.

\*\* - Compound diluted 5X.

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22844 R1 | 22846 D2 | 22846 R2 | 23006    | 23189    | 23263    | 23324    | 23485    | 23586    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/16/01  | 9/16/01  | 9/16/01  | 9/22/01  | 9/28/01  | 10/4/01  | 10/10/01 | 10/16/01 | 10/22/01 |
| ANALYSIS DATE            | 10/19/01 | 10/19/01 | 10/19/01 | 10/27/01 | 10/25/01 | 11/10/01 | 11/5/01  | 11/7/01  | 11/10/01 |
| FILE NAME                | Q1JS011  | Q1JS012  | Q1JS013  | F1JZ036  | Q1JX037  | F1KH061  | F1KE010  | F1KE056  | F1KH057  |
| UNITS                    | ppbv     |
| Formaldehyde             | 6.06     | 6.02     | 5.92     | 5.80     | 4.71     | 4.33     | 4.05     | 4.82     | 4.46     |
| Acetaldehyde             | 1.27     | 1.26     | 1.24     | 2.19     | 1.36     | 1.29     | 1.21     | 1.82     | 1.63     |
| Acetone                  | 2.57     | 2.50     | 2.42     | 3.78     | 3.68     | 3.40     | 2.88     | 3.93     | 3.71     |
| Propionaldehyde          | 0.07     | 0.09     | 0.05     | 0.17     | 0.06     | 0.12     | 0.12     | 0.20     | 0.14     |
| Crotonaldehyde           | 0.04     | 0.03     | 0.04     | 0.03     | 0.04     | 0.01     | 0.02     | 0.03     | 0.03     |
| Butyr/Isobutyraldehyde   | 0.05     | 0.04     | 0.06     | 0.23     | 0.05     | 0.18     | 0.16     | 0.26     | 0.22     |
| Benzaldehyde             | 0.11     | 0.08     | 0.10     | 0.12     | 0.10     | 0.08     | 0.08     | 0.14     | 0.11     |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | 0.01     | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.02     | 0.01     | 0.07     | 0.02     | 0.06     | 0.06     | 0.07     | 0.07     |
| Tolualdehydes            | 0.08     | 0.08     | 0.08     | 0.12     | ND       | 0.07     | 0.06     | 0.09     | 0.08     |
| Hexaldehyde              | 0.46     | 0.49     | 0.50     | 0.11     | 0.40     | 0.10     | 0.09     | 0.09     | 0.08     |
| 2,5-Dimethylbenzaldehyde | 0.02     | 0.02     | 0.02     | 0.02     | ND       | ND       | ND       | ND       | 0.02     |

u - Concentration is below the detection limit.

\* - Compound diluted 10X.

\*\* - Compound diluted 5X.

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23749    | 23758    | 23946    | 24103    | 24115    | 24117    | 24311    | 24443   | 24524   |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|---------|---------|
| SAMPLE DATE              | 10/28/01 | 11/3/01  | 11/9/01  | 11/15/01 | 11/18/01 | 11/21/01 | 11/27/01 | 12/3/01 | 12/9/01 |
| ANALYSIS DATE            | 11/13/01 | 11/14/01 | 11/26/01 | 12/3/01  | VOID     | 12/7/01  | 12/12/01 | 1/7/02  | 1/14/02 |
| FILE NAME                | F1KL024  | F1KL047  | Q1KZ008  | F1LC018  | VOID     | F1LG007  | Q1LL009  | F2AG018 | F2AN009 |
| UNITS                    | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | 3.53     | 4.53     | 6.02     | 4.28     |          | 3.51     | 3.90     | 2.46    | 3.54    |
| Acetaldehyde             | 0.96     | 1.94     | 2.31     | 1.31     |          | 1.09     | 1.17     | 0.72    | 1.31    |
| Acetone                  | 2.64     | 3.67     | 5.04     | 4.60     |          | 5.18     | 2.78     | 1.82    | 2.31    |
| Propionaldehyde          | 0.09     | 0.18     | 0.25     | 0.12     |          | 0.09     | 0.12     | 0.07    | 0.12    |
| Crotonaldehyde           | 0.01     | 0.04     | 0.10     | 0.02     |          | 0.02     | 0.08     | 0.01    | 0.02    |
| Butyr/Isobutyraldehyde   | 0.14     | 0.25     | 0.19     | 0.19     |          | 0.14     | 0.09     | 0.10    | 0.16    |
| Benzaldehyde             | 0.06     | 0.13     | 0.18     | 0.10     |          | 0.09     | 0.08     | 0.06    | 0.08    |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       |          | ND       | ND       | ND      | ND      |
| Valeraldehyde            | 0.05     | 0.11     | 0.06     | 0.06     |          | 0.06     | 0.04     | 0.03    | 0.05    |
| Tolualdehydes            | 0.08     | 0.10     | 0.16     | 0.06     |          | 0.06     | 0.06     | 0.03    | 0.05    |
| Hexaldehyde              | 0.07     | 0.09     | 0.41     | 0.10     |          | 0.07     | 0.23     | 0.05    | 0.08    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.04     | ND       |          | ND       | 0.05     | ND      | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 10X.

\*\* - Compound diluted 5X.

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24710    | 24816    | 24840    |
|--------------------------|----------|----------|----------|
| SAMPLE DATE              | 12/15/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/17/02  | 1/18/02  | 1/22/02  |
| FILE NAME                | Q2AQ012  | F2AR014  | F2AU034  |
| UNITS                    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 3.40     | 4.76     | 5.44     |
| Acetaldehyde             | 1.05     | 1.91     | 3.39     |
| Acetone                  | 1.64     | 4.29     | 4.95     |
| Propionaldehyde          | 0.12     | 0.17     | 0.36     |
| Crotonaldehyde           | 0.10     | 0.03     | 0.05     |
| Butyr/Isobutyraldehyde   | 0.11     | 0.27     | 0.40     |
| Benzaldehyde             | 0.06     | 0.11     | 0.15     |
| Isovaleraldehyde         | ND       | ND       | ND       |
| Valeraldehyde            | 0.03     | 0.07     | 0.10     |
| Tolualdehydes            | 0.06     | 0.09     | 0.09     |
| Hexaldehyde              | 0.21     | 0.09     | 0.09     |
| 2,5-Dimethylbenzaldehyde | 0.01     | ND       | 0.03     |

u - Concentration is below the detection limit.

\* - Compound diluted 10X.

\*\* - Compound diluted 5X.

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1BH026  | Q1BH028  | Q1B~027  | F1DI034  | F1DP031  | F1D\$035 | VOID     | VOID     | Q1FG014  | Q1F!007  |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 19180 FB | 19183 FB | 19284 FB | 19453 FB | 19541 FB | 19740 FB | 19777 FB | 19840 FB | 20371 FB | 20625 FB |
| Sample Date              | 1/19/01  | 1/25/01  | 2/6/01   | 2/24/01  | 3/8/01   | 3/27/01  | 4/7/01   | 4/13/01  | 5/25/01  | 6/12/01  |
| Date Analyzed            | 2/9/01   | 2/9/01   | 2/28/01  | 4/11/01  | 4/17/01  | 5/1/01   | VOID     | VOID     | 6/7/01   | 6/28/01  |
| Formaldehyde             | 0.041    | 0.141    | 0.074    | 0.029    | 0.014    | 0.065    |          |          | 0.051    | 0.096    |
| Acetaldehyde             | 0.036    | 0.033    | 0.086    | 0.103    | 0.105    | 0.100    |          |          | 0.089    | 0.060    |
| Acetone                  | 0.137    | 0.135    | 0.115    | 0.122    | 0.109    | 0.131    |          |          | 0.221    | 0.222    |
| Propionaldehyde          | ND       | 0.006    | ND       | 0.001    | 0.001    | 0.001    |          |          | ND       | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND       | ND       |          |          | ND       | ND       |
| Butyraldehyde            | ND       | ND       | ND       | 0.010    | 0.020    | 0.008    |          |          | 0.011    | ND       |
| Benzaldehyde             | 0.011    | 0.007    | 0.009    | 0.017    | ND       | ND       |          |          | ND       | ND       |
| Isovaleraldehyde         | ND       | ND       | ND       | ND       | ND       | ND       |          |          | ND       | ND       |
| Valeraldehyde            | ND       | ND       | ND       | 0.004    | 0.001    | 0.001    |          |          | ND       | ND       |
| Tolualdehydes            | ND       | 0.125    | ND       | ND       | ND       | ND       |          |          | 0.089    | 0.029    |
| Hexaldehyde              | 0.052    | ND       | 0.075    | 0.044    | 0.041    | 0.047    |          |          | 0.051    | 0.065    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | ND       |          |          | ND       | ND       |

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

|                          | Q1G~005<br>21451 FB | Q1G%025<br>21604 FB | F1HN031<br>21784 FB | Q1H~023<br>22174 FB | Q1IZ024<br>22574 FB | Q1IZ037<br>22663 FB | F1JZ035<br>23005 FB | F1KH060<br>23262 FB | F1KH056<br>23585 FB | Q1KZ007<br>23945 FB |
|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Data File ID             | Q1G~005<br>21451 FB | Q1G%025<br>21604 FB | F1HN031<br>21784 FB | Q1H~023<br>22174 FB | Q1IZ024<br>22574 FB | Q1IZ037<br>22663 FB | F1JZ035<br>23005 FB | F1KH060<br>23262 FB | F1KH056<br>23585 FB | Q1KZ007<br>23945 FB |
| FB ID                    | 21451 FB            | 21604 FB            | 21784 FB            | 22174 FB            | 22574 FB            | 22663 FB            | 23005 FB            | 23262 FB            | 23585 FB            | 23945 FB            |
| Sample Date              | 6/30/01             | 7/18/01             | 7/24/01             | 8/11/01             | 8/29/01             | 9/4/01              | 9/22/01             | 10/4/01             | 10/22/01            | 11/9/01             |
| Date Analyzed            | 7/27/01             | 8/1/01              | 8/15/01             | 8/28/01             | 9/27/01             | 9/27/01             | 10/27/01            | 11/10/01            | 11/10/01            | 11/26/01            |
| Formaldehyde             | 0.026               | 0.033               | 0.034               | 0.047               | 0.021               | 0.017               | 0.058               | 0.033               | 0.034               | 0.047               |
| Acetaldehyde             | 0.065               | 0.038               | 0.228               | 0.081               | 0.135               | 0.076               | 0.085               | 0.038               | 0.228               | 0.081               |
| Acetone                  | 0.183               | 0.110               | 0.152               | 0.139               | 0.260               | 0.261               | 0.232               | 0.110               | 0.152               | 0.139               |
| Propionaldehyde          | ND                  |
| Crotonaldehyde           | ND                  |
| Butyraldehyde            | ND                  | ND                  | 0.029               | ND                  | ND                  | ND                  | 0.140               | ND                  | 0.029               | ND                  |
| Benzaldehyde             | ND                  | ND                  | 0.020               | ND                  | ND                  | ND                  | 0.019               | ND                  | 0.020               | ND                  |
| Isovaleraldehyde         | ND                  |
| Valeraldehyde            | ND                  | ND                  | 0.003               | ND                  | ND                  | ND                  | 0.014               | ND                  | 0.003               | ND                  |
| Tolualdehydes            | ND                  | 0.107               | 0.073               | 0.245               | -0.001              | -0.041              | 0.209               | 0.107               | 0.073               | 0.245               |
| Hexaldehyde              | 0.046               | 0.034               | 0.029               | 0.035               | 0.038               | 0.036               | 0.017               | 0.034               | 0.029               | 0.035               |
| 2,5-Dimethylbenzaldehyde | ND                  |

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

|                          | Q1LL008  | F2AN008  | Q2AQ011  |
|--------------------------|----------|----------|----------|
| Data File ID             |          |          |          |
| FB ID                    | 24310 FB | 24523 FB | 24709 FB |
| Sample Date              | 11/27/01 | 12/9/01  | 12/15/01 |
| Date Analyzed            | 12/12/01 | 1/14/02  | 1/17/02  |
| Formaldehyde             | 0.030    | 0.044    | 0.035    |
| Acetaldehyde             | 0.017    | 0.037    | 0.039    |
| Acetone                  | 0.188    | 0.269    | 0.300    |
| Propionaldehyde          | ND       | ND       | ND       |
| Crotonaldehyde           | ND       | 0.008    | ND       |
| Butyraldehyde            | ND       | 0.033    | -0.012   |
| Benzaldehyde             | ND       | 0.014    | ND       |
| Isovaleraldehyde         | ND       | ND       | ND       |
| Valeraldehyde            | ND       | ND       | ND       |
| Tolualdehydes            | ND       | ND       | ND       |
| Hexaldehyde              | 0.021    | 0.015    | 0.039    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       |

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20133   | 20271 D1 | 20271 R1 | 20273 D2 | 20273 R2 | 20384   | 20459   |
|--------------------------|---------|----------|----------|----------|----------|---------|---------|
| SAMPLE DATE              | 5/13/01 | 5/19/01  | 5/19/01  | 5/19/01  | 5/19/01  | 5/25/01 | 5/31/01 |
| ANALYSIS DATE            | 5/30/01 | 6/5/01   | 6/5/01   | 6/5/01   | 6/5/01   | 6/11/01 | 6/18/01 |
| FILE NAME                | Q1E#027 | Q1FD029  | Q1FD030  | Q1FD031  | Q1FD032  | Q1FK012 | Q1FR013 |
| UNITS                    | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv    |
| Formaldehyde             | #23.65  | 38.03    | 38.05    | 47.04    | 50.63    | 24.77   | 6.50    |
| Acetaldehyde             | 2.04    | 1.88     | 1.59     | 0.38     | 0.39     | 2.97    | 0.91    |
| Acetone                  | 2.51    | 0.32     | 0.25     | ND       | ND       | 3.73    | 0.89    |
| Propionaldehyde          | 0.18    | 0.30     | 0.25     | ND       | ND       | 0.18    | 0.05    |
| Crotonaldehyde           | ND      | ND       | ND       | 0.12     | 0.14     | ND      | ND      |
| Butyr/Isobutyraldehyde   | 0.23    | 0.51     | 0.47     | 0.17     | 0.18     | 0.32    | 0.55    |
| Benzaldehyde             | 0.24    | 0.91     | 0.85     | 0.75     | 0.85     | 0.19    | 0.08    |
| Isovaleraldehyde         | ND      | 0.06     | 0.08     | 0.05     | 0.05     | ND      | ND      |
| Valeraldehyde            | 0.15    | 0.24     | 0.29     | 0.03     | 0.01     | 0.18    | 0.01    |
| Tolualdehydes            | 0.13    | 1.64     | 1.30     | 3.34     | 3.53     | 0.10    | 0.17    |
| Hexaldehyde              | 1.46    | 1.82     | 1.68     | 0.99     | 1.10     | 0.98    | 0.36    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.03     | 0.03     | 0.10     | 0.15     | ND      | ND      |

u - Concentration is below the detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20585     | 20682   | 20958   | 21128   | 21291   | 21346  | 21537   |
|--------------------------|-----------|---------|---------|---------|---------|--------|---------|
| SAMPLE DATE              | 6/6/01    | 6/12/01 | 6/18/01 | 6/24/01 | 6/30/01 | 7/6/01 | 7/12/01 |
| ANALYSIS DATE            | 6/22/01   | VOID    | 6/28/01 | VOID    | VOID    | VOID   | 7/31/01 |
| FILE NAME                | ##Q1FU034 | VOID    | Q1F!020 | VOID    | VOID    | VOID   | Q1G%011 |
| UNITS                    | ppbv      | ppbv    | ppbv    | ppbv    | ppbv    | ppbv   | ppbv    |
| Formaldehyde             | 9.60      |         | 13.06   |         |         |        | 12.34   |
| Acetaldehyde             | 0.002     | u       | 1.22    |         |         |        | 1.02    |
| Acetone                  | 0.01      |         | 0.58    |         |         |        | 1.13    |
| Propionaldehyde          | ND        |         | 0.22    |         |         |        | 0.10    |
| Crotonaldehyde           | ND        |         | 0.45    |         |         |        | 0.01    |
| Butyr/Isobutyraldehyde   | ND        |         | 0.51    |         |         |        | 0.12    |
| Benzaldehyde             | 0.13      |         | 0.61    |         |         |        | 0.12    |
| Isovaleraldehyde         | ND        |         | ND      |         |         |        | 0.04    |
| Valeraldehyde            | ND        |         | ND      |         |         |        | 0.09    |
| Tolualdehydes            | ND        |         | 0.35    |         |         |        | 0.15    |
| Hexaldehyde              | 0.31      |         | 0.85    |         |         |        | 0.68    |
| 2,5-Dimethylbenzaldehyde | ND        |         | 0.02    |         |         |        | 0.02    |

u - Concentration is below the detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21674   | 21715   | 21921   | 22052  | 22084   | 22196 D1 | 22196 R1 |
|--------------------------|---------|---------|---------|--------|---------|----------|----------|
| SAMPLE DATE              | 7/18/01 | 7/24/01 | 7/30/01 | 8/5/01 | 8/11/01 | 8/17/01  | 8/17/01  |
| ANALYSIS DATE            | VOID    | VOID    | VOID    | VOID   | 8/27/01 | 8/31/01  | 8/31/01  |
| FILE NAME                | VOID    | VOID    | VOID    | VOID   | Q1H~013 | Q1H%012  | Q1H%013  |
| UNITS                    | ppbv    | ppbv    | ppbv    | ppbv   | ppbv    | ppbv     | ppbv     |
| Formaldehyde             |         |         |         |        | 14.14   | 42.17    | 41.31    |
| Acetaldehyde             |         |         |         |        | 1.55    | 2.84     | 2.70     |
| Acetone                  |         |         |         |        | 2.67    | 1.56     | 1.52     |
| Propionaldehyde          |         |         |         |        | 0.07    | 0.23     | 0.22     |
| Crotonaldehyde           |         |         |         |        | 0.002   | u        | 0.009    |
| Butyr/Isobutyraldehyde   |         |         |         |        | 0.12    | 0.36     | 0.39     |
| Benzaldehyde             |         |         |         |        | 0.10    | 0.23     | 0.26     |
| Isovaleraldehyde         |         |         |         |        | ND      | ND       | ND       |
| Valeraldehyde            |         |         |         |        | 0.02    | 0.33     | 0.32     |
| Tolualdehydes            |         |         |         |        | 0.00    | 0.23     | 0.23     |
| Hexaldehyde              |         |         |         |        | 0.45    | 2.04     | 2.15     |
| 2,5-Dimethylbenzaldehyde |         |         |         |        | ND      | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22198 D2 | 22198 R2 | 22408   | 22689  | 22708   | 22919 D1 | 22919 R1 |
|--------------------------|----------|----------|---------|--------|---------|----------|----------|
| SAMPLE DATE              | 8/17/01  | 8/17/01  | 8/23/01 | 9/4/01 | 9/10/01 | 9/16/01  | 9/16/01  |
| ANALYSIS DATE            | 8/31/01  | 8/31/01  | VOID    | VOID   | VOID    | 10/31/01 | 10/31/01 |
| FILE NAME                | Q1H%014  | Q1H%015  | VOID    | VOID   | VOID    | F1J%004A | F1J%005A |
| UNITS                    | ppbv     | ppbv     | ppbv    | ppbv   | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 32.15    | 31.08    |         |        |         | *37.11   | *36.18   |
| Acetaldehyde             | 2.18     | 1.99     |         |        |         | 5.00     | 4.97     |
| Acetone                  | 1.26     | 1.13     |         |        |         | 1.12     | 1.11     |
| Propionaldehyde          | 0.17     | 0.16     |         |        |         | 0.50     | 0.46     |
| Crotonaldehyde           | 0.004    | 0.004    |         |        |         | 0.02     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.17     | 0.22     |         |        |         | 0.55     | 0.56     |
| Benzaldehyde             | 0.19     | 0.19     |         |        |         | 0.18     | 0.18     |
| Isovaleraldehyde         | ND       | ND       |         |        |         | 0.02     | 0.05     |
| Valeraldehyde            | 0.34     | 0.28     |         |        |         | 0.81     | 0.78     |
| Tolualdehydes            | 0.16     | 0.23     |         |        |         | 0.15     | 0.139    |
| Hexaldehyde              | 1.57     | 1.62     |         |        |         | 1.00     | 0.97     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       |         |        |         | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# **St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report**

| SAMPLE #                 | 22921 D2 | 22921 R2 | 22989    | 23195    | 23281   | 23382    | 23492    |
|--------------------------|----------|----------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 9/16/01  | 9/16/01  | 9/22/01  | 9/28/01  | 10/4/01 | 10/10/01 | 10/16/01 |
| ANALYSIS DATE            | 10/31/01 | 10/31/01 | 10/26/01 | 10/25/01 | 11/8/01 | 11/6/01  | 11/7/01  |
| FILE NAME                | F1J%006  | F1J%007  | F1JZ017  | Q1JX040  | F1KH015 | F1KE041  | F1KE076  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | *20.08   | *20.20   | *43.32   | **20.55  | **20.95 | *46.98   | 6.14     |
| Acetaldehyde             | 2.43     | 2.41     | 2.68     | 2.81     | 2.18    | 2.60     | 1.51     |
| Acetone                  | 1.62     | 1.57     | 0.96     | 2.63     | 1.51    | 1.25     | 1.68     |
| Propionaldehyde          | 0.18     | 0.15     | 0.19     | 0.12     | 0.19    | 0.14     | 0.08     |
| Crotonaldehyde           | 0.01     | 0.01     | 0.01     | 0.22     | 0.007   | 0.016    | 0.007    |
| Butyr/Isobutyraldehyde   | 0.33     | 0.32     | 0.47     | 0.29     | 0.30    | 0.54     | 0.22     |
| Benzaldehyde             | 0.11     | 0.12     | 0.24     | 0.14     | 0.12    | 0.24     | 0.04     |
| Isovaleraldehyde         | 0.05     | 0.026    | ND       | ND       | 0.02    | 0.02     | ND       |
| Valeraldehyde            | 0.29     | 0.29     | 0.56     | 0.20     | 0.20    | 0.49     | 0.07     |
| Tolualdehydes            | 0.09     | 0.12     | 0.07     | 0.16     | 0.09    | 0.11     | 0.05     |
| Hexaldehyde              | 0.30     | 0.31     | 0.59     | 1.02     | 0.24    | 0.81     | 0.11     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.02     | 0.05     | ND      | ND       | ND       |

**u** - Concentration is below the detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# -Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23637    | 23717    | 23878    | 23970    | 24068    | 24185    | 24251    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/22/01 | 10/28/01 | 11/3/01  | 11/9/01  | 11/15/01 | 11/21/01 | 11/27/01 |
| ANALYSIS DATE            | 11/10/01 | 11/13/01 | 11/14/01 | 11/28/01 | 12/3/01  | 12/7/01  | 12/12/01 |
| FILE NAME                | F1KH076  | F1KL023  | F1KL055  | F1K!009  | F1LC005  | F1LF025  | F1LK037  |
| UNITS                    | ppbv     |
| Formaldehyde             | **21.62  | **23.62  | *37.45   | **19.78  | 10.18    | *22.88   | 6.17     |
| Acetaldehyde             | 2.06     | 2.99     | 3.01     | 3.61     | 2.12     | 2.55     | 1.06     |
| Acetone                  | 1.56     | 1.84     | 2.00     | 2.78     | 2.85     | 1.81     | 1.16     |
| Propionaldehyde          | 0.22     | 0.19     | 0.22     | 0.27     | 0.17     | 0.16     | 0.09     |
| Crotonaldehyde           | 0.007    | 0.014    | 0.032    | 0.028    | 0.019    | 0.019    | 0.008    |
| Butyr/Isobutyraldehyde   | 0.35     | 0.37     | 0.54     | 0.48     | 0.31     | 0.32     | 0.16     |
| Benzaldehyde             | 0.13     | 0.14     | 0.22     | 0.17     | 0.11     | 0.16     | 0.06     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.14     | 0.28     | 0.32     | 0.28     | 0.10     | 0.20     | 0.06     |
| Tolualdehydes            | 0.08     | 0.11     | 0.16     | 0.17     | 0.07     | 0.10     | 0.03     |
| Hexaldehyde              | 0.18     | 0.51     | 0.48     | 0.37     | 0.09     | 0.20     | 0.10     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.02     | 0.02     | ND       | ND       | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24506   | 24554   | 24617    | 24810    | 24906    |
|--------------------------|---------|---------|----------|----------|----------|
| SAMPLE DATE              | 12/3/01 | 12/9/01 | 12/15/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/8/02  | 1/8/02  | 1/15/02  | 1/18/02  | 1/22/02  |
| FILE NAME                | F2AG025 | F2AG042 | F2AN037  | F2AR012  | F2AU022  |
| UNITS                    | ppbv    | ppbv    | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 10.95   | 6.36    | **17.90  | 14.87    | 6.22     |
| Acetaldehyde             | 1.46    | 1.38    | 5.02     | 2.89     | 1.73     |
| Acetone                  | 2.15    | 1.37    | **12.30  | 4.35     | 2.70     |
| Propionaldehyde          | 0.11    | 0.10    | 0.23     | 0.26     | 0.12     |
| Crotonaldehyde           | 0.013   | 0.014   | 0.016    | 0.028    | 0.014    |
| Butyr/Isobutyraldehyde   | 0.18    | 0.17    | 0.51     | 0.55     | 0.23     |
| Benzaldehyde             | 0.09    | 0.05    | 0.26     | 0.23     | 0.07     |
| Isovaleraldehyde         | ND      | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.10    | 0.06    | 0.59     | 0.39     | 0.12     |
| Tolualdehydes            | 0.04    | 0.03    | 0.06     | 0.10     | 0.03     |
| Hexaldehyde              | 0.15    | 0.10    | 2.67     | 1.62     | 0.51     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | 0.01     | 0.02     | ND       |

u - Concentration is below the detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20133   | 20271 D1 | 20271 R1 | 20273 D2 | 20273 R2 | 20384   | 20459   |
|--------------------------|---------|----------|----------|----------|----------|---------|---------|
| SAMPLE DATE              | 5/13/01 | 5/19/01  | 5/19/01  | 5/19/01  | 5/19/01  | 5/25/01 | 5/31/01 |
| ANALYSIS DATE            | 5/30/01 | 6/5/01   | 6/5/01   | 6/5/01   | 6/5/01   | 6/11/01 | 6/18/01 |
| FILE NAME                | Q1E#027 | Q1FD029  | Q1FD030  | Q1FD031  | Q1FD032  | Q1FK012 | Q1FR013 |
| UNITS                    | µg/m3   | µg/m3    | µg/m3    | µg/m3    | µg/m3    | µg/m3   | µg/m3   |
| Formaldehyde             | #29.11  | 46.80    | 46.83    | 57.89    | 62.31    | 30.48   | 8.00    |
| Acetaldehyde             | 3.68    | 3.40     | 2.87     | 0.68     | 0.70     | 5.37    | 1.63    |
| Acetone                  | 5.98    | 0.76     | 0.61     | ND       | ND       | 8.88    | 2.12    |
| Propionaldehyde          | 0.43    | 0.72     | 0.61     | ND       | ND       | 0.43    | 0.12    |
| Crotonaldehyde           | ND      | ND       | ND       | 0.35     | 0.39     | ND      | ND      |
| Butyr/Isobutyraldehyde   | 0.68    | 1.51     | 1.38     | 0.49     | 0.54     | 0.96    | 1.61    |
| Benzaldehyde             | 1.05    | 3.95     | 3.71     | 3.26     | 3.70     | 0.82    | 0.34    |
| Isovaleraldehyde         | ND      | 0.22     | 0.29     | 0.17     | 0.17     | ND      | ND      |
| Valeraldehyde            | 0.52    | 0.84     | 1.02     | 0.12     | 0.04     | 0.63    | 0.02    |
| Tolualdehydes            | 0.66    | 8.07     | 6.42     | 16.43    | 17.38    | 0.51    | 0.82    |
| Hexaldehyde              | 5.98    | 7.46     | 6.89     | 4.08     | 4.51     | 4.00    | 1.47    |
| 2,5-Dimethylbenzaldehyde | ND      | 0.17     | 0.15     | 0.55     | 0.83     | ND      | ND      |

u - Concentration below detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20585     | 20682   | 20958   | 21128   | 21291   | 21346  | 21537   |
|--------------------------|-----------|---------|---------|---------|---------|--------|---------|
| SAMPLE DATE              | 6/6/01    | 6/12/01 | 6/18/01 | 6/24/01 | 6/30/01 | 7/6/01 | 7/12/01 |
| ANALYSIS DATE            | 6/22/01   | VOID    | 6/28/01 | VOID    | VOID    | VOID   | 7/31/01 |
| FILE NAME                | ##Q1FU034 | VOID    | Q1F!020 | VOID    | VOID    | VOID   | Q1G%011 |
| UNITS                    | ug/m3     | ug/m3   | ug/m3   | ug/m3   | ug/m3   | ug/m3  | ug/m3   |
| Formaldehyde             | 11.83     |         | 16.10   |         |         |        | 15.22   |
| Acetaldehyde             | 0.004     | u       | 2.21    |         |         |        | 1.84    |
| Acetone                  | 0.03      |         | 1.38    |         |         |        | 2.68    |
| Propionaldehyde          | ND        |         | 0.53    |         |         |        | 0.24    |
| Crotonaldehyde           | ND        |         | 1.29    |         |         |        | 0.60    |
| Butyr/Isobutyraldehyde   | ND        |         | 1.52    |         |         |        | 0.37    |
| Benzaldehyde             | 0.58      |         | 2.67    |         |         |        | 0.52    |
| Isovaleraldehyde         | ND        |         | ND      |         |         |        | 0.16    |
| Valeraldehyde            | ND        |         | ND      |         |         |        | 0.33    |
| Tolualdehydes            | ND        |         | 1.74    |         |         |        | 0.76    |
| Hexaldehyde              | 1.28      |         | 3.50    |         |         |        | 2.81    |
| 2,5-Dimethylbenzaldehyde | ND        |         | 0.10    |         |         |        | 0.12    |

u - Concentration below detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21674   | 21715   | 21921   | 22052  | 22084   | 22196 D1 | 22196 R1 |
|--------------------------|---------|---------|---------|--------|---------|----------|----------|
| SAMPLE DATE              | 7/18/01 | 7/24/01 | 7/30/01 | 8/5/01 | 8/11/01 | 8/17/01  | 8/17/01  |
| ANALYSIS DATE            | VOID    | VOID    | VOID    | VOID   | 8/27/01 | 8/31/01  | 8/31/01  |
| FILE NAME                | VOID    | VOID    | VOID    | VOID   | Q1H~013 | Q1H%012  | Q1H%013  |
| UNITS                    | ug/m3   | ug/m3   | ug/m3   | ug/m3  | ug/m3   | ug/m3    | ug/m3    |
| Formaldehyde             |         |         |         |        | 17.43   | 51.99    | 50.92    |
| Acetaldehyde             |         |         |         |        | 2.80    | 5.12     | 4.87     |
| Acetone                  |         |         |         |        | 6.36    | 3.71     | 3.63     |
| Propionaldehyde          |         |         |         |        | 0.18    | 0.56     | 0.53     |
| Crotonaldehyde           |         |         |         |        | 0.34    | 0.89     | 1.09     |
| Butyr/Isobutyraldehyde   |         |         |         |        | 0.36    | 1.05     | 1.16     |
| Benzaldehyde             |         |         |         |        | 0.46    | 0.99     | 1.15     |
| Isovaleraldehyde         |         |         |         |        | ND      | ND       | ND       |
| Valeraldehyde            |         |         |         |        | 0.08    | 1.15     | 1.13     |
| Tolualdehydes            |         |         |         |        | 0.02    | 1.12     | 1.12     |
| Hexaldehyde              |         |         |         |        | 1.84    | 8.36     | 8.83     |
| 2,5-Dimethylbenzaldehyde |         |         |         |        | ND      | ND       | ND       |

u - Concentration below detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22198 D2 | 22198 R2 | 22408   | 22689  | 22708   | 22919 D1 | 22919 R1 |
|--------------------------|----------|----------|---------|--------|---------|----------|----------|
| SAMPLE DATE              | 8/17/01  | 8/17/01  | 8/23/01 | 9/4/01 | 9/10/01 | 9/16/01  | 9/16/01  |
| ANALYSIS DATE            | 8/31/01  | 8/31/01  | VOID    | VOID   | VOID    | 10/31/01 | 10/31/01 |
| FILE NAME                | Q1H%014  | Q1H%015  | VOID    | VOID   | VOID    | F1J%004A | F1J%005A |
| UNITS                    | ug/m3    | ug/m3    | ug/m3   | ug/m3  | ug/m3   | ug/m3    | ug/m3    |
| Formaldehyde             | 39.64    | 38.31    |         |        | *46.48  | *45.32   |          |
| Acetaldehyde             | 3.94     | 3.59     |         |        | 9.02    | 8.98     |          |
| Acetone                  | 2.99     | 2.70     |         |        | 2.67    | 2.64     |          |
| Propionaldehyde          | 0.41     | 0.38     |         |        | 1.18    | 1.11     |          |
| Crotonaldehyde           | 0.44     | 0.37     |         |        | 0.07    | 0.06     |          |
| Butyr/Isobutyraldehyde   | 0.49     | 0.65     |         |        | 1.64    | 1.65     |          |
| Benzaldehyde             | 0.82     | 0.83     |         |        | 0.80    | 0.79     |          |
| Isovaleraldehyde         | ND       | ND       |         |        | 0.09    | 0.21     |          |
| Valeraldehyde            | 1.20     | 0.97     |         |        | 2.84    | 2.76     |          |
| Tolualdehydes            | 0.77     | 1.12     |         |        | 0.73    | 0.69     |          |
| Hexaldehyde              | 6.44     | 6.66     |         |        | 4.09    | 3.98     |          |
| 2,5-Dimethylbenzaldehyde | ND       | ND       |         |        | ND      | ND       |          |

u - Concentration below detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22921 D2 | 22921 R2 | 22989    | 23195    | 23281   | 23382    | 23492    |
|--------------------------|----------|----------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 9/16/01  | 9/16/01  | 9/22/01  | 9/28/01  | 10/4/01 | 10/10/01 | 10/16/01 |
| ANALYSIS DATE            | 10/31/01 | 10/31/01 | 10/26/01 | 10/25/01 | 11/8/01 | 11/6/01  | 11/7/01  |
| FILE NAME                | F1J%006  | F1J%007  | F1JZ017  | Q1JX040  | F1KH015 | F1KE041  | F1KE076  |
| UNITS                    | ug/m3    | ug/m3    | ug/m3    | ug/m3    | ug/m3   | ug/m3    | ug/m3    |
| Formaldehyde             | *31.90   | *32.10   | *55.37   | **25.34  | **25.83 | *57.92   | 7.57     |
| Acetaldehyde             | 4.39     | 4.35     | 5.02     | 5.06     | 3.93    | 4.69     | 2.73     |
| Acetone                  | 3.87     | 3.75     | 2.37     | 6.27     | 3.60    | 2.97     | 3.99     |
| Propionaldehyde          | 0.43     | 0.35     | 0.47     | 0.28     | 0.46    | 0.33     | 0.20     |
| Crotonaldehyde           | 0.02     | 0.021    | 0.04     | 0.64     | 0.02    | 0.05     | 0.02     |
| Butyr/Isobutyraldehyde   | 0.97     | 0.95     | 1.43     | 0.85     | 0.90    | 1.60     | 0.66     |
| Benzaldehyde             | 0.46     | 0.52     | 1.10     | 0.62     | 0.54    | 1.06     | 0.18     |
| Isovaleraldehyde         | 0.17     | 0.09     | ND       | ND       | 0.07    | 0.08     | ND       |
| Valeraldehyde            | 1.02     | 1.03     | 2.04     | 0.71     | 0.69    | 1.74     | 0.26     |
| Tolualdehydes            | 0.44     | 0.58     | 0.37     | 0.77     | 0.44    | 0.54     | 0.25     |
| Hexaldehyde              | 1.25     | 1.27     | 2.49     | 4.17     | 0.97    | 3.31     | 0.44     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.11     | 0.265    | ND      | ND       | ND       |

u - Concentration below detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23637    | 23717    | 23878    | 23970    | 24068    | 24185    | 24251    |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|
| SAMPLE DATE              | 10/22/01 | 10/28/01 | 11/3/01  | 11/9/01  | 11/15/01 | 11/21/01 | 11/27/01 |
| ANALYSIS DATE            | 11/10/01 | 11/13/01 | 11/14/01 | 11/28/01 | 12/3/01  | 12/7/01  | 12/12/01 |
| FILE NAME                | F1KH076  | F1KL023  | F1KL055  | F1K!009  | F1LC005  | F1LF025  | F1LK037  |
| UNITS                    | ug/m3    |
| Formaldehyde             | **26.65  | **29.12  | *46.17   | **24.38  | 12.55    | *28.21   | 7.61     |
| Acetaldehyde             | 3.73     | 5.40     | 5.44     | 6.52     | 3.84     | 4.60     | 1.91     |
| Acetone                  | 3.71     | 4.38     | 4.75     | 6.63     | 6.77     | 4.31     | 2.76     |
| Propionaldehyde          | 0.52     | 0.44     | 0.53     | 0.64     | 0.41     | 0.38     | 0.22     |
| Crotonaldehyde           | 0.02     | 0.040    | 0.09     | 0.08     | 0.05     | 0.06     | 0.02     |
| Butyr/Isobutyraldehyde   | 1.05     | 1.09     | 1.59     | 1.41     | 0.93     | 0.93     | 0.47     |
| Benzaldehyde             | 0.57     | 0.59     | 0.97     | 0.74     | 0.47     | 0.68     | 0.26     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.51     | 0.98     | 1.13     | 0.99     | 0.34     | 0.71     | 0.20     |
| Tolualdehydes            | 0.40     | 0.54     | 0.79     | 0.85     | 0.37     | 0.51     | 0.13     |
| Hexaldehyde              | 0.75     | 2.11     | 1.97     | 1.53     | 0.35     | 0.84     | 0.40     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.12     | 0.11     | ND       | ND       | ND       |

u - Concentration below detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 24506   | 24554   | 24617    | 24810    | 24906    |
|--------------------------|---------|---------|----------|----------|----------|
| SAMPLE DATE              | 12/3/01 | 12/9/01 | 12/15/01 | 12/21/01 | 12/27/01 |
| ANALYSIS DATE            | 1/8/02  | 1/8/02  | 1/15/02  | 1/18/02  | 1/22/02  |
| FILE NAME                | F2AG025 | F2AG042 | F2AN037  | F2AR012  | F2AU022  |
| UNITS                    | ug/m3   | ug/m3   | ug/m3    | ug/m3    | ug/m3    |
| Formaldehyde             | 13.49   | 7.84    | **22.07  | 18.33    | 7.66     |
| Acetaldehyde             | 2.64    | 2.49    | 9.07     | 5.21     | 3.12     |
| Acetone                  | 5.13    | 3.25    | **29.27  | 10.35    | 6.44     |
| Propionaldehyde          | 0.26    | 0.24    | 0.55     | 0.61     | 0.29     |
| Crotonaldehyde           | 0.04    | 0.04    | 0.05     | 0.08     | 0.04     |
| Butyr/Isobutyraldehyde   | 0.53    | 0.51    | 1.51     | 1.61     | 0.68     |
| Benzaldehyde             | 0.39    | 0.23    | 1.13     | 1.01     | 0.29     |
| Isovaleraldehyde         | ND      | ND      | ND       | ND       | ND       |
| Valeraldehyde            | 0.36    | 0.23    | 2.10     | 1.38     | 0.43     |
| Tolualdehydes            | 0.21    | 0.13    | 0.28     | 0.47     | 0.14     |
| Hexaldehyde              | 0.63    | 0.40    | 10.96    | 6.63     | 2.10     |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | 0.04     | 0.09     | ND       |

u - Concentration below detection limit.

\* - Compound diluted 5X

\*\* - Compound diluted 2X

# - Formaldehyde concentration is an estimate.

## - Sample concentration low due to high moisture content in cartridge.

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID<br>ERG Sample ID<br>Date Sampled<br>Date Analyzed | Q1FK013<br>20383 FB<br>5/25/01<br>6/11/01 | Q1FU032<br>20681 FB<br>6/12/01<br>6/22/01 | VOID<br>21290 FB<br>6/30/01<br>VOID | VOID<br>21673 FB<br>7/18/01<br>VOID | VOID<br>21714 FB<br>7/24/01<br>VOID | Q1H~012<br>22083 FB<br>8/11/01<br>8/27/01 | VOID<br>22688 FB<br>9/4/01<br>VOID | F1JZ016<br>22988 FB<br>9/22/01<br>10/26/01 |
|--|---|---|-------------------------------------|-------------------------------------|-------------------------------------|---|------------------------------------|--|
| Formaldehyde   | 0.38                                      | 0.06                                      |                                     |                                     |                                     | 0.03                                      |                                    | 0.08                                       |
| Acetaldehyde   | 0.29                                      | 0.06                                      |                                     |                                     |                                     | 0.08                                      |                                    | 0.08                                       |
| Acetone  | 0.89                                      | 0.20                                      |                                     |                                     |                                     | 0.16                                      |                                    | 0.21                                       |
| Propionaldehyde  | ND  | ND  |                                     |                                     |                                     | ND  |                                    | 0.01                                       |
| Crotonaldehyde   | ND  | ND  |                                     |                                     |                                     | ND  |                                    | ND   |
| Butyraldehyde  | ND  | ND  |                                     |                                     |                                     | 0.11                                      |                                    | 0.14                                       |
| Benzaldehyde   | 0.04                                      | 0.01                                      |                                     |                                     |                                     | ND  |                                    | 0.01                                       |
| Isovaleraldehyde   | ND  | ND  |                                     |                                     |                                     | ND  |                                    | ND   |
| Valeraldehyde  | ND  | ND  |                                     |                                     |                                     | ND  |                                    | 0.01                                       |
| Tolualdehydes  | ND  | 0.22                                      |                                     |                                     |                                     | 0.05                                      |                                    | 0.07                                       |
| Hexaldehyde  | ND  | 0.06                                      |                                     |                                     |                                     | 0.04                                      |                                    | 0.02                                       |
| 2,5-Dimethylbenzaldehyde                                       | ND  | ND  |                                     |                                     |                                     | ND  |                                    | ND   |

# St. Louis, Missouri (SLMO) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

| Data File ID             | F1KH014  | F1KH075  | F1K!008  | F1LK036  | F2AG041  | F2AN036  |
|--------------------------|----------|----------|----------|----------|----------|----------|
| ERG Sample ID            | 23280 FB | 23636 FB | 23969 FB | 24250 FB | 24553 FB | 24616 FB |
| Date Sampled             | 10/4/01  | 10/22/01 | 11/9/01  | 11/27/01 | 12/9/01  | 12/15/01 |
| Date Analyzed            | 11/8/01  | 11/10/01 | 11/28/01 | 12/12/01 | 1/8/02   | 1/15/02  |
| Formaldehyde             | 0.07     | 0.05     | 0.04     | 0.05     | 0.12     | 0.07     |
| Acetaldehyde             | 0.10     | 0.13     | 0.07     | 0.03     | 0.08     | 0.03     |
| Acetone                  | 0.21     | 0.25     | 0.19     | 0.22     | 0.24     | 0.27     |
| Propionaldehyde          | ND       | 0.01     | ND       | ND       | ND       | ND       |
| Crotonaldehyde           | ND       | 0.20     | ND       | 0.06     | ND       | 0.11     |
| Butyraldehyde            | 0.23     | 0.02     | 0.08     | 0.01     | 0.08     | 0.01     |
| Benzaldehyde             | 0.01     | ND       | 0.01     | ND       | 0.01     | ND       |
| Isovaleraldehyde         | ND       | 0.01     | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.01     | 0.05     | 0.01     | 0.01     | ND       | 0.02     |
| Tolualdehydes            | 0.05     | 0.02     | 0.04     | 0.01     | 0.01     | 0.02     |
| Hexaldehyde              | 0.02     | ND       | 0.02     | ND       | 0.01     | ND       |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       | ND       |

# Tupelo, Mississippi (TUMS) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21780   | 22013  | 22319   | 22422   | 22545   | 22712   | 22979    | 23272   |
|--------------------------|---------|--------|---------|---------|---------|---------|----------|---------|
| SAMPLE DATE              | 7/24/01 | 8/5/01 | 8/17/01 | 8/23/01 | 8/29/01 | 9/10/01 | 9/22/01  | 10/4/01 |
| ANALYSIS DATE            | VOID    | VOID   | 9/20/01 | 9/29/01 | 9/28/01 | 9/27/01 | 10/26/01 | 11/8/01 |
| FILE NAME                | VOID    | VOID   | F1IT011 | F1I~060 | F1I~047 | Q1IZ046 | F1JZ012  | F1KH009 |
| UNITS                    | ppbv    | ppbv   | ppbv    | ppbv    | ppbv    | ppbv    | ppbv     | ppbv    |
| Formaldehyde             |         |        | 6.57    | 9.13    | 6.34    | 9.28    | 10.04    | 8.76    |
| Acetaldehyde             |         |        | 1.00    | 1.75    | 0.91    | 1.16    | 1.71     | 1.58    |
| Acetone                  |         |        | 1.58    | 1.01    | 0.48    | 0.96    | 0.83     | 1.22    |
| Propionaldehyde          |         |        | 0.30    | 0.11    | 0.06    | 0.09    | 0.11     | 0.14    |
| Crotonaldehyde           |         |        | ND      | 0.32    | 0.24    | 0.12    | 0.005    | 0.01    |
| Butyr/Isobutyraldehyde   |         |        | 0.47    | 0.30    | 0.21    | 0.11    | 0.19     | 0.22    |
| Benzaldehyde             |         |        | 0.07    | 0.06    | 0.07    | 0.04    | 0.07     | 0.07    |
| Isovaleraldehyde         |         |        | ND      | 0.04    | ND      | ND      | 0.01     | ND      |
| Valeraldehyde            |         |        | 0.20    | 0.09    | 0.06    | 0.13    | 0.12     | 0.10    |
| Tolualdehydes            |         |        | 0.09    | 0.07    | 0.02    | ND      | 0.06     | 0.05    |
| Hexaldehyde              |         |        | 0.22    | 0.18    | 0.17    | 0.38    | 0.24     | 0.18    |
| 2,5-Dimethylbenzaldehyde |         |        | 0.126   | ND      | ND      | ND      | 0.04     | ND      |

u - Concentration is below the detection limit.

1 of 3

# Tupelo, Mississippi (TUMS) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23401    | 23702    | 23861    | 23949    | 24092    | 24105    | 24430   | 24649    |
|--------------------------|----------|----------|----------|----------|----------|----------|---------|----------|
| SAMPLE DATE              | 10/16/01 | 10/28/01 | 11/3/01  | 11/9/01  | 11/18/01 | 11/21/01 | 12/3/01 | 12/15/01 |
| ANALYSIS DATE            | 11/2/01  | 11/13/01 | 11/20/01 | 11/26/01 | 12/3/01  | VOID     | 1/7/02  | 1/10/02  |
| FILE NAME                | F1KB010  | F1KL017  | F1KT012  | Q1KZ010  | F1LC014  | VOID     | F2AG014 | Q2AJ020  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     |
| Formaldehyde             | 7.21     | 2.40     | 2.72     | 2.78     | 4.15     |          | 3.08    | 2.01     |
| Acetaldehyde             | 0.86     | 1.12     | 1.22     | 1.50     | 1.54     |          | 1.25    | 0.80     |
| Acetone                  | 0.80     | 1.40     | 0.97     | 2.19     | 2.90     |          | 3.65    | 2.13     |
| Propionaldehyde          | 0.04     | 0.09     | 0.10     | 0.11     | 0.10     |          | 0.10    | 0.10     |
| Crotonaldehyde           | 0.005    | 0.01     | 0.01     | 0.03     | 0.01     |          | 0.01    | 0.03     |
| Butyr/Isobutyraldehyde   | 0.14     | 0.13     | 0.11     | 0.08     | 0.15     |          | 0.13    | 0.04     |
| Benzaldehyde             | 0.04     | 0.03     | 0.03     | 0.03     | 0.04     |          | 0.05    | 0.02     |
| Isovaleraldehyde         | ND       | 0.07     | ND       | ND       | ND       |          | ND      | ND       |
| Valeraldehyde            | 0.11     | 0.11     | 0.04     | 0.004    | 0.02     |          | 0.03    | 0.003    |
| Tolualdehydes            | 0.03     | 0.03     | 0.03     | 0.01     | 0.04     |          | 0.03    | 0.04     |
| Hexaldehyde              | 0.20     | 0.17     | 0.03     | 0.21     | 0.03     |          | 0.02    | 0.14     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       |          | ND      | ND       |

u - Concentration is below the detection limit.

2 of 3

# Tupelo, Mississippi (TUMS) 2001 UATMP Carbonyl Final Data Report

|                          |          |
|--------------------------|----------|
| SAMPLE #                 | 24880    |
| SAMPLE DATE              | 12/27/01 |
| ANALYSIS DATE            | 1/21/02  |
| FILE NAME                | F2AU019  |
| UNITS                    | ppbv     |
| Formaldehyde             | 2.22     |
| Acetaldehyde             | 1.07     |
| Acetone                  | 1.17     |
| Propionaldehyde          | 0.08     |
| Crotonaldehyde           | 0.005    |
| Butyr/Isobutyraldehyde   | 0.09     |
| Benzaldehyde             | 0.02     |
| Isovaleraldehyde         | ND       |
| Valeraldehyde            | 0.02     |
| Tolualdehydes            | 0.02     |
| Hexaldehyde              | 0.02     |
| 2,5-Dimethylbenzaldehyde | ND       |

u - Concentration is below the detection limit.

3 of 3

# Tupelo, Mississippi (TUMS) 2001 UATMP Carbonyl Final Field Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | VOID     | F1I-046  | F1JZ011  | F1KH008  | Q1KZ009  | Q2AJ019  |
|--------------------------|----------|----------|----------|----------|----------|----------|
| FB ID                    | 21779 FB | 22544 FB | 22978 FB | 23271 FB | 23948 FB | 24648 FB |
| Sample Date              | 7/24/01  | 8/29/01  | 9/22/01  | 10/4/01  | 11/9/01  | 12/15/01 |
| Date Analyzed            | VOID     | 9/28/01  | 10/26/01 | 11/8/01  | 11/26/01 | 1/10/02  |
| Formaldehyde             |          | 0.045    | 0.056    | 0.091    | 0.009    | 0.012    |
| Acetaldehyde             |          | 0.089    | 0.075    | 0.082    | 0.036    | 0.009    |
| Acetone                  |          | 0.275    | 0.219    | 0.233    | 0.168    | 0.245    |
| Propionaldehyde          |          | 0.001    | 0.005    | 0.013    | ND       | ND       |
| Crotonaldehyde           |          | ND       | ND       | ND       | ND       | ND       |
| Butyraldehyde            |          | 0.009    | 0.133    | 0.170    | ND       | ND       |
| Benzaldehyde             |          | 0.016    | 0.020    | 0.018    | ND       | ND       |
| Isovaleraldehyde         |          | ND       | ND       | ND       | ND       | ND       |
| Valeraldehyde            |          | 0.007    | 0.011    | 0.006    | ND       | ND       |
| Tolualdehydes            |          | 0.017    | 0.051    | 0.070    | ND       | ND       |
| Hexaldehyde              |          | 0.020    | 0.018    | 0.023    | 0.034    | 0.016    |
| 2,5-Dimethylbenzaldehyde |          | ND       | ND       | ND       | ND       | 0.040    |

# Delray, Michigan (Yellow Freight - YFMI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 19908   | 20017   | 20025   | 20159   | 20163   | 20330   | 20331   | 20477   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 4/19/01 | 4/25/01 | 5/1/01  | 5/7/01  | 5/13/01 | 5/19/01 | 5/25/01 | 5/31/01 |
| ANALYSIS DATE            | 5/17/01 | 5/17/01 | 5/18/01 | 6/14/01 | 7/26/01 | 6/15/01 | 6/15/01 | 6/21/01 |
| FILE NAME                | Q1EQ009 | F1EQ008 | F1EQ014 | F1FN011 | F1GZ012 | F1FN028 | F1FN029 | F1FT017 |
| UNITS                    | ppbv    |
| Formaldehyde             | 1.66    | 1.66    | 4.99    | 1.68    | 2.16    | 4.45    | 2.64    | 3.13    |
| Acetaldehyde             | 0.63    | 0.55    | 2.22    | 1.11    | 1.42    | 1.90    | 0.83    | 1.29    |
| Acetone                  | 1.46    | 2.81    | 1.18    | 0.81    | 2.29    | 2.81    | 1.86    | 3.19    |
| Propionaldehyde          | 0.08    | 0.05    | 0.30    | 0.11    | 0.16    | 0.22    | 0.09    | 0.10    |
| Crotonaldehyde           | 0.04    | 0.01    | 0.08    | 0.02    | 0.02    | 0.01    | 0.01    | 0.01    |
| Butyr/Isobutyraldehyde   | 0.05    | 0.23    | 0.59    | 0.15    | 0.18    | 0.29    | 0.26    | 0.21    |
| Benzaldehyde             | 0.05    | 0.04    | 0.22    | 0.08    | 0.06    | 0.13    | 0.07    | 0.07    |
| Isovaleraldehyde         | ND      | ND      | ND      | ND      | 0.04    | ND      | ND      | ND      |
| Valeraldehyde            | 0.001u  | 0.02    | 0.19    | 0.06    | 0.04    | 0.07    | 0.03    | 0.04    |
| Tolualdehydes            | ND      | 0.08    | 0.41    | 0.15    | 0.06    | 0.05    | 0.13    | 0.06    |
| Hexaldehyde              | 0.07    | 0.04    | 0.25    | 0.07    | 0.07    | 0.11    | 0.04    | 0.06    |
| 2,5-Dimethylbenzaldehyde | ND      | ND      | ND      | ND      | 0.05    | 0.10    | 0.05    | 0.04    |

u - Concentration is below detection limit.

1 of 6

# Delray, Michigan (Yellow Freight - YFMI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 20645   | 20940   | 21058   | 21436   | 21428   | 21508   | 21656   | 21765   |
|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| SAMPLE DATE              | 6/12/01 | 6/18/01 | 6/24/01 | 6/30/01 | 7/6/01  | 7/12/01 | 7/18/01 | 7/24/01 |
| ANALYSIS DATE            | VOID    | 7/24/01 | VOID    | 7/24/01 | 7/29/01 | 8/1/01  | 8/6/01  | 8/7/01  |
| FILE NAME                | VOID    | Q1GW025 | VOID    | F1GX007 | F1G#016 | F1HA012 | F1HF013 | F1HF030 |
| UNITS                    | ppbv    |
| Formaldehyde             |         | 4.70    |         | 4.28    | 2.81    | 2.79    | 3.58    | 3.30    |
| Acetaldehyde             |         | 1.59    |         | 1.58    | 1.38    | 0.89    | 1.40    | 1.27    |
| Acetone                  |         | 0.95    |         | 0.65    | 0.24    | 0.11    | 0.83    | 0.80    |
| Propionaldehyde          |         | 0.28    |         | 0.23    | 0.13    | 0.09    | 0.17    | 0.20    |
| Crotonaldehyde           |         | 0.22    |         | ND      | ND      | ND      | 0.07    | ND      |
| Butyr/Isobutyraldehyde   |         | 0.17    |         | 0.15    | 0.17    | 0.12    | 0.17    | 0.13    |
| Benzaldehyde             |         | 0.13    |         | 0.09    | 0.06    | ND      | 0.06    | 0.07    |
| Isovaleraldehyde         |         | ND      |         | 0.05    | ND      | 0.02    | 0.03    | 0.03    |
| Valeraldehyde            |         | 0.04    |         | 0.04    | 0.04    | 0.03    | 0.04    | 0.02    |
| Tolualdehydes            |         | 0.04    |         | 0.03    | 0.05    | 0.05    | 0.03    | 0.08    |
| Hexaldehyde              |         | 0.15    |         | 0.05    | 0.04    | 0.004   | 0.12    | 0.05    |
| 2,5-Dimethylbenzaldehyde |         | ND      |         | ND      | ND      | ND      | ND      | ND      |

u - Concentration is below detection limit.

2 of 6

# Delray, Michigan (Yellow Freight - YFMI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 21858   | 21979   | 22127   | 22224   | 22405   | 22627   | 22771    | 22772    |
|--------------------------|---------|---------|---------|---------|---------|---------|----------|----------|
| SAMPLE DATE              | 7/30/01 | 8/5/01  | 8/11/01 | 8/17/01 | 8/23/01 | 8/29/01 | 9/4/01   | 9/10/01  |
| ANALYSIS DATE            | 8/22/01 | 8/28/01 | 9/12/01 | 9/13/01 | 9/22/01 | 9/30/01 | 10/19/01 | 10/19/01 |
| FILE NAME                | F1HU021 | F1H~010 | Q1IL022 | Q1IL041 | F1IT069 | F1I#021 | Q1JQ057  | F1JS012  |
| UNITS                    | ppbv     | ppbv     |
| Formaldehyde             | 3.16    | 4.43    | 3.26    | 2.33    | 4.79    | 3.78    | 2.94     | 2.94     |
| Acetaldehyde             | 1.39    | 1.60    | 0.95    | 0.57    | 1.52    | 1.09    | 0.77     | 0.78     |
| Acetone                  | 0.51    | 0.64    | 0.70    | 0.55    | 0.64    | 0.52    | 0.74     | 0.88     |
| Propionaldehyde          | 0.13    | 0.30    | 0.10    | 0.08    | 0.23    | 0.10    | 0.12     | 0.08     |
| Crotonaldehyde           | ND      | 0.01    | 0.11    | 0.14    | ND      | 0.11    | 0.10     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.13    | 0.14    | 0.07    | 0.09    | 0.18    | 0.13    | 0.07     | 0.10     |
| Benzaldehyde             | 0.08    | 0.14    | 0.03    | 0.02    | 0.08    | 0.06    | 0.04     | 0.05     |
| Isovaleraldehyde         | ND      | 0.02    | ND      | ND      | ND      | ND      | ND       | ND       |
| Valeraldehyde            | 0.04    | 0.07    | 0.02    | ND      | 0.04    | 0.03    | 0.004    | 0.02     |
| Tolualdehydes            | 0.04    | 0.03    | 0.05    | 0.02    | 0.06    | 0.03    | 0.001u   | 0.04     |
| Hexaldehyde              | 0.05    | 0.06    | 0.07    | 0.03    | 0.05    | 0.05    | 0.05     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       |

u - Concentration is below detection limit.

3 of 6

# Delray, Michigan (Yellow Freight - YFMI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 22867    | 23026    | 23160    | 23217   | 23372    | 23440    | 23559    | 23656    |
|--------------------------|----------|----------|----------|---------|----------|----------|----------|----------|
| SAMPLE DATE              | 9/16/01  | 9/22/01  | 9/28/01  | 10/4/01 | 10/10/01 | 10/16/01 | 10/22/01 | 10/28/01 |
| ANALYSIS DATE            | 10/23/01 | 10/24/01 | 10/27/01 | 11/1/01 | 11/6/01  | 11/6/01  | 11/7/01  | 11/9/01  |
| FILE NAME                | F1JV018  | F1JV033  | F1JZ050  | F1KA006 | F1KE025  | F1KE046  | F1KE060  | F1KH045  |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     | ppbv     | ppbv     |
| Formaldehyde             | 4.28     | 2.88     | 1.76     | 2.09    | 3.21     | 1.52     | 2.80     | 1.98     |
| Acetaldehyde             | 1.60     | 1.21     | 0.61     | 0.88    | 1.12     | 0.63     | 1.23     | 0.90     |
| Acetone                  | 1.31     | 1.13     | 0.92     | 0.69    | 0.87     | 1.32     | 0.87     | 1.30     |
| Propionaldehyde          | 0.18     | 0.16     | 0.07     | 0.11    | 0.14     | 0.06     | 0.12     | 0.10     |
| Crotonaldehyde           | 0.01     | 0.01     | 0.01     | 0.01    | 0.01     | 0.01     | 0.01     | 0.01     |
| Butyr/Isobutyraldehyde   | 0.22     | 0.21     | 0.13     | 0.13    | 0.14     | 0.16     | 0.17     | 0.16     |
| Benzaldehyde             | 0.08     | 0.04     | 0.03     | 0.04    | 0.05     | 0.03     | 0.05     | 0.03     |
| Isovaleraldehyde         | ND       | ND       | ND       | 0.01    | ND       | ND       | ND       | ND       |
| Valeraldehyde            | 0.05     | 0.03     | 0.02     | 0.03    | 0.03     | 0.02     | 0.03     | 0.03     |
| Tolualdehydes            | 0.07     | 0.04     | 0.04     | 0.03    | 0.04     | 0.02     | 0.05     | 0.05     |
| Hexaldehyde              | 0.06     | 0.03     | 0.02     | 0.03    | 0.04     | 0.02     | 0.04     | 0.03     |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND      | ND       | ND       | ND       | ND       |

u - Concentration is below detection limit.

# Delray, Michigan (Yellow Freight - YFMI) 2001 UATMP Carbonyl Final Data Report

| SAMPLE #                 | 23850    | 23926    | 24036    | 24233    | 24374    | 24491   | 24667    | 24760    |
|--------------------------|----------|----------|----------|----------|----------|---------|----------|----------|
| SAMPLE DATE              | 11/3/01  | 11/9/01  | 11/15/01 | 11/27/01 | 12/3/01  | 12/9/01 | 12/15/01 | 12/21/01 |
| ANALYSIS DATE            | 11/13/01 | 11/26/01 | 11/29/01 | 12/11/01 | 12/11/01 | 1/3/02  | 1/15/02  | VOID     |
| FILE NAME                | F1KL042  | F1KZ011  | F1K!023  | F1LK014  | F1LK018  | F2AB024 | F2AN022  | VOID     |
| UNITS                    | ppbv     | ppbv     | ppbv     | ppbv     | ppbv     | ppbv    | ppbv     | ppbv     |
| Formaldehyde             | 2.75     | 1.68     | 3.44     | 2.04     | 2.03     | 2.07    | 1.58     |          |
| Acetaldehyde             | 1.21     | 0.59     | 1.39     | 0.73     | 0.91     | 0.69    | 0.82     |          |
| Acetone                  | 1.69     | 0.83     | 1.19     | 1.18     | 1.36     | 0.79    | 1.22     |          |
| Propionaldehyde          | 0.11     | 0.06     | 0.11     | 0.08     | 0.10     | 0.06    | 0.09     |          |
| Crotonaldehyde           | 0.01     | 0.01     | 0.01     | 0.02     | 0.01     | 0.01    | 0.01     |          |
| Butyr/Isobutyraldehyde   | 0.16     | 0.06     | 0.17     | 0.08     | 0.14     | 0.08    | 0.12     |          |
| Benzaldehyde             | 0.05     | 0.03     | 0.05     | 0.03     | 0.04     | 0.03    | 0.04     |          |
| Isovaleraldehyde         | ND       | ND       | 0.01     | ND       | ND       | ND      | 0.01     |          |
| Valeraldehyde            | 0.04     | 0.02     | 0.04     | 0.03     | 0.03     | 0.02    | 0.02     |          |
| Tolualdehydes            | 0.03     | 0.02     | 0.03     | 0.02     | 0.02     | 0.02    | 0.05     |          |
| Hexaldehyde              | 0.03     | 0.02     | 0.03     | 0.02     | 0.02     | 0.02    | 0.02     |          |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | 0.01     | ND       | ND       | ND      | 0.001u   |          |

u - Concentration is below detection limit.

5 of 6

# Delray, Michigan (Yellow Freight - YFMI) 2001 UATMP Carbonyl Final Data Report

|                          |          |
|--------------------------|----------|
| SAMPLE #                 | 24948    |
| SAMPLE DATE              | 12/27/01 |
| ANALYSIS DATE            | VOID     |
| FILE NAME                | VOID     |
| UNITS                    | ppbv     |
| Formaldehyde             |          |
| Acetaldehyde             |          |
| Acetone                  |          |
| Propionaldehyde          |          |
| Crotonaldehyde           |          |
| Butyr/Isobutyraldehyde   |          |
| Benzaldehyde             |          |
| Isovaleraldehyde         |          |
| Valeraldehyde            |          |
| Tolualdehydes            |          |
| Hexaldehyde              |          |
| 2,5-Dimethylbenzaldehyde |          |

u - Concentration is below detection limit.

6 of 6

# Delray, Michigan (YFMI) 2001 UATMP Carbonyl Final Field Blank Data Report

( $\mu\text{g}/\text{cartridge}$ )

| Data File ID             | Q1EQ010  | F1FN027  | F1G#015  | F1JV017  | F1KA005  |
|--------------------------|----------|----------|----------|----------|----------|
| FB ID                    | 19909 FB | 20329 FB | 21427 FB | 22866 FB | 23216 FB |
| Sample Date              | 4/19/01  | 5/19/01  | 7/6/01   | 9/16/01  | 10/4/01  |
| Date Analyzed            | 5/17/01  | 6/15/01  | 7/29/01  | 10/23/01 | 11/1/01  |
| Formaldehyde             | 0.057    | 0.395    | 0.163    | 0.234    | 0.205    |
| Acetaldehyde             | 0.024    | 0.157    | 0.101    | 0.161    | 0.132    |
| Acetone                  | 0.122    | 0.236    | 0.141    | 0.292    | 0.245    |
| Propionaldehyde          | ND       | ND       | 0.002    | 0.018    | ND       |
| Crotonaldehyde           | ND       | ND       | ND       | ND       | ND       |
| Butyraldehyde            | ND       | 0.110    | 0.027    | 0.261    | 0.238    |
| Benzaldehyde             | ND       | 0.007    | 0.015    | 0.013    | 0.020    |
| Isovaleraldehyde         | ND       | 0.053    | ND       | ND       | ND       |
| Valeraldehyde            | ND       | 0.003    | 0.004    | 0.041    | 0.010    |
| Tolualdehydes            | ND       | 0.105    | 0.077    | 0.106    | 0.057    |
| Hexaldehyde              | 0.022    | 0.071    | 0.035    | 0.085    | 0.026    |
| 2,5-Dimethylbenzaldehyde | ND       | ND       | ND       | ND       | ND       |

**Appendix L**

**2001 SVOC Raw Monitoring Data**

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)

## 2001 Final Data Report

| Sample I.D.                 | 19920 - D1                   |                               | 19920 - R1                   |                               | 19921 - D2                   |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                   | ENG1973.D                    |                               | ENG2051.D                    |                               | ENG1974.D                    |                               |
| Date Sampled                | 4/19/2001                    |                               | 4/19/2001                    |                               | 4/19/2001                    |                               |
| Date Analyzed               | 5/24/2001                    |                               | 6/23/2001                    |                               | 5/24/2001                    |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 196.4                         | Actual Vol (m <sup>3</sup> ) | 196.4                         | Actual Vol (m <sup>3</sup> ) | 194.6                         |
| <u>Compound</u>             | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 14.82                        | 0.08                          | 12.49                        | 0.06                          | 14.44                        | 0.07                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Tolidine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 75.77                        | 0.39                          | 64.19                        | 0.33                          | 72.59                        | 0.37                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 40.99                        | 0.21                          | 33.11                        | 0.17                          | 37.09                        | 0.19                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)

## 2001 Final Data Report

| Sample I.D.                    | 19920 - D1                   |                               | 19920 - R1                   |                               | 19921 - D2                   |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                      | ENG1973.D                    |                               | ENG2051.D                    |                               | ENG1974.D                    |                               |
| Date Sampled                   | 4/19/2001                    |                               | 4/19/2001                    |                               | 4/19/2001                    |                               |
| Date Analyzed                  | 5/24/2001                    |                               | 6/23/2001                    |                               | 5/24/2001                    |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 196.4                         | Actual Vol (m <sup>3</sup> ) | 196.4                         | Actual Vol (m <sup>3</sup> ) | 194.6                         |
| <u>Compound</u>                | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluorene                       | 1.03                         | 0.01                          | U                            | 0.65                          | 0.003                        | U                             |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                   | 2.61                         | 0.01                          | U                            | 2.14                          | 0.01                         | U                             |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | 5.96                         | 0.03                          |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate     | 2.18                         | 0.01                          | U                            | ND                            | ND                           | ND                            |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |                              |       |                              |       |                              |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|
| <b>Sample I.D.</b>   | 19921 - R2                   |       | 20030 - D1                   |       | 20030 - R1                   |
| <b>File I.D.</b>     | ENG2052.D                    |       | ENG1986.D                    |       | ENG2053.D                    |
| <b>Date Sampled</b>  | 4/19/2001                    |       | 5/1/2001                     |       | 5/1/2001                     |
| <b>Date Analyzed</b> | 6/23/2001                    |       | 5/25/2001                    |       | 6/23/2001                    |
|                      | Actual Vol (m <sup>3</sup> ) | 194.6 | Actual Vol (m <sup>3</sup> ) | 162.8 | Actual Vol (m <sup>3</sup> ) |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 13.68                  | 0.07                          | 33.10                  | 0.20                          | 27.80                  | 0.17                          |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | 66.08                  | 0.34                          | 117.38                 | 0.72                          | 105.60                 | 0.65                          |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 33.11                  | 0.17                          | 56.97                  | 0.35                          | 51.52                  | 0.32                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dinitrobenzene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | 0.41                   | 0.002                         | U                      | ND                            | ND                     | 1.56                          |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |                              |       |                              |       |                              |       |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| <b>Sample I.D.</b>   | 19921 - R2                   |       | 20030 - D1                   |       | 20030 - R1                   |       |
| <b>File I.D.</b>     | ENG2052.D                    |       | ENG1986.D                    |       | ENG2053.D                    |       |
| <b>Date Sampled</b>  | 4/19/2001                    |       | 5/1/2001                     |       | 5/1/2001                     |       |
| <b>Date Analyzed</b> | 6/23/2001                    |       | 5/25/2001                    |       | 6/23/2001                    |       |
|                      | Actual Vol (m <sup>3</sup> ) | 194.6 | Actual Vol (m <sup>3</sup> ) | 162.8 | Actual Vol (m <sup>3</sup> ) | 162.8 |

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   |
|-------------------------------|------------------------|-------------------------------|---|------------------------|-------------------------------|---|------------------------|-------------------------------|---|
| 2-Naphthylamine               | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Dibenzofuran                  | 0.85                   | 0.004                         | U | 2.98                   | 0.02                          | U | 2.66                   | 0.02                          | U |
| Pentachlorobenzene            | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 1-Naphthylamine               | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diethyl phthalate             | ND                     | ND                            |   | 2.13                   | 0.01                          | U | ND                     | ND                            |   |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Nitroaniline                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Fluorene                      | 0.56                   | 0.003                         | U | 2.50                   | 0.02                          | U | 2.47                   | 0.02                          | U |
| 5-Nitro-o-toluidine           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diphenylamine                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Azobenzene                    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Phenacetin                    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diallate                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Bromophenyl phenyl ether    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Aminobiphenyl               | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Hexachlorobenzene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pronamide                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pentachlorophenol             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pentachloronitrobenzene       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Phenanthrene                  | 2.42                   | 0.01                          | U | 6.22                   | 0.04                          | U | 5.30                   | 0.03                          | U |
| Dinoseb                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Anthracene                    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Carbazole                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Di-n-butyl phthalate          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzidine                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Isodrin                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Fluoranthene                  | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pyrene                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Dimethylaminoazobenzene     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Chlorobenzilate               | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3,3'-Dimethylbenzidine        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Butyl benzyl phthalate        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 2-Acetylaminofluorene         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3-Methylcholanthrene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3,3'-Dichlorobenzidine        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| bis(2-Ethylhexyl)phthalate    | ND                     | ND                            |   | 2.60                   | 0.02                          | U | ND                     | ND                            |   |
| Benzo(a)anthracene            | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Chrysene                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Di-n-octyl phthalate          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(b)fluoranthene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(k)fluoranthene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(a)pyrene                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Dibenz(a,h)anthracene         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(g,h,i)perylene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D. | 20031 - D2 | File I.D. | ENG1988.D | Date Sampled | 5/1/2001 | Date Analyzed | 5/25/2001 | Actual Vol (m <sup>3</sup> ) | 187.2 | Actual Vol (m <sup>3</sup> ) | 187.2 | Actual Vol (m <sup>3</sup> ) | 179.4 |
|-------------|------------|-----------|-----------|--------------|----------|---------------|-----------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
|-------------|------------|-----------|-----------|--------------|----------|---------------|-----------|------------------------------|-------|------------------------------|-------|------------------------------|-------|

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pyridine                    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Picoline                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenol                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pentachloroethane           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Aniline                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 35.66           | 0.19                    | 31.47           | 0.17                    | 24.64           | 0.14                    |
| Benzyl alcohol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| o-Toluidine                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloroethane            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acetophenone                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Nitrobenzene                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isophorone                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Naphthalene                 | 138.20          | 0.74                    | 120.36          | 0.64                    | 63.99           | 0.36                    |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloropropene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Safrole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 68.78           | 0.37                    | 61.35           | 0.33                    | 29.00           | 0.16                    |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isosafrole                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dinitrobenzene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthylene              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthene                | 2.13            | 0.01                    | U               | 1.50                    | 0.01            | U                       |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 20031 - D2      | 20031 - R2                   | 20182 - D1      |                         |                 |                         |
|-------------------------------|-----------------|------------------------------|-----------------|-------------------------|-----------------|-------------------------|
| File I.D.                     | ENG1988.D       | ENG2054.D                    | ENG2001.D       |                         |                 |                         |
| Date Sampled                  | 5/1/2001        | 5/1/2001                     | 5/13/2001       |                         |                 |                         |
| Date Analyzed                 | 5/25/2001       | 6/23/2001                    | 6/15/2001       |                         |                 |                         |
| Actual Vol (m <sup>3</sup> )  | 187.2           | Actual Vol (m <sup>3</sup> ) | 187.2           |                         |                 |                         |
|                               |                 | Actual Vol (m <sup>3</sup> ) | 179.4           |                         |                 |                         |
| Compound                      | Final Conc (µg) | Final µg/m <sup>3</sup>      | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
| 2-Naphthylamine               | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Dibenzofuran                  | 3.94            | 0.02                         | U               | 3.08                    | 0.02            | U                       |
| Pentachlorobenzene            | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 1-Naphthylamine               | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Diethyl phthalate             | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 2,3,4,6-Tetrachlorophenol     | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 4-Nitroaniline                | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 4-Chlorophenyl-phenyl ether   | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Fluorene                      | 3.68            | 0.02                         | U               | 2.11                    | 0.01            | U                       |
| 5-Nitro-o-toluidine           | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 4,6-Dinitro-2-methylphenol    | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Diphenylamine                 | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Azobenzene                    | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Phenacetin                    | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Diallate                      | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 4-Bromophenyl phenyl ether    | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 4-Aminobiphenyl               | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Hexachlorobenzene             | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Pronamide                     | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Pentachlorophenol             | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Pentachloronitrobenzene       | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Phenanthrene                  | 7.95            | 0.04                         | U               | 6.08                    | 0.03            | U                       |
| Dinoseb                       | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Anthracene                    | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Carbazole                     | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Di-n-butyl phthalate          | 37.82           | 0.20                         |                 | 29.94                   | 0.16            |                         |
| Benzidine                     | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Isodrin                       | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Fluoranthene                  | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Pyrene                        | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 4-Dimethylaminoazobenzene     | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Chlorobenzilate               | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 3,3'-Dimethylbenzidine        | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Butyl benzyl phthalate        | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 2-Acetylaminofluorene         | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 3-Methylcholanthrene          | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 3,3'-Dichlorobenzidine        | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| bis(2-Ethylhexyl)phthalate    | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Benzo(a)anthracene            | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Chrysene                      | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Di-n-octyl phthalate          | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| 7,12-Dimethylbenz(a)anthracen | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Benzo(b)fluoranthene          | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Benzo(k)fluoranthene          | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Benzo(a)pyrene                | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Indeno(1,2,3-cd)pyrene        | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Dibenz(a,h)anthracene         | ND              | ND                           | ND              | ND                      | ND              | ND                      |
| Benzo(g,h,i)perylene          | ND              | ND                           | ND              | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                  | 20182 - R1 | 20183 - D2                   | 20183 - R2 |
|------------------------------|------------|------------------------------|------------|
| File I.D.                    | ENG2055.D  | ENG2002.D                    | ENG2056.D  |
| Date Sampled                 | 5/13/2001  | 5/13/2001                    | 5/13/2001  |
| Date Analyzed                | 6/23/2001  | 6/15/2001                    | 6/23/2001  |
| Actual Vol (m <sup>3</sup> ) | 179.4      | Actual Vol (m <sup>3</sup> ) | 185.6      |
|                              |            | Actual Vol (m <sup>3</sup> ) | 185.6      |

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pyridine                    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Picoline                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenol                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pentachloroethane           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Aniline                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 23.43           | 0.13                    | 23.87           | 0.13                    | 21.88           | 0.12                    |
| Benzyl alcohol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| o-Toluidine                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloroethane            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acetophenone                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Nitrobenzene                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isophorone                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Naphthalene                 | 61.95           | 0.35                    | 67.24           | 0.36                    | 62.40           | 0.34                    |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloropropene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Safrole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 28.74           | 0.16                    | 31.37           | 0.17                    | 27.53           | 0.15                    |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isosafrole                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dinitrobenzene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthylene              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthene                | 1.24            | 0.01                    | U               | 1.29                    | 0.01            | U                       |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 20182 - R1                   | 20183 - D2              | 20183 - R2                   |                         |                              |                         |
|-------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                     | ENG2055.D                    | ENG2002.D               | ENG2056.D                    |                         |                              |                         |
| Date Sampled                  | 5/13/2001                    | 5/13/2001               | 5/13/2001                    |                         |                              |                         |
| Date Analyzed                 | 6/23/2001                    | 6/15/2001               | 6/23/2001                    |                         |                              |                         |
|                               | Actual Vol (m <sup>3</sup> ) | 179.4                   | Actual Vol (m <sup>3</sup> ) | 185.6                   | Actual Vol (m <sup>3</sup> ) | 185.6                   |
| Compound                      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| 2-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenzofuran                  | 1.94                         | 0.01                    | U                            | 1.70                    | 0.01                         | U                       |
| Pentachlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diethyl phthalate             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitroaniline                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluorene                      | 0.73                         | 0.004                   | U                            | 1.38                    | 0.01                         | U                       |
| 5-Nitro-o-toluidine           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diphenylamine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Azobenzene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenacetin                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diallate                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Aminobiphenyl               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pronamide                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloronitrobenzene       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenanthrene                  | 3.01                         | 0.02                    | U                            | 3.46                    | 0.02                         | U                       |
| Dinoseb                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Anthracene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Carbazole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Di-n-butyl phthalate          | ND                           | ND                      | 9.61                         | 0.05                    | U                            | 9.56                    |
| Benzidine                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isodrin                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluoranthene                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyrene                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Dimethylaminoazobenzene     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chlorobenzilate               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Butyl benzyl phthalate        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Acetylaminofluorene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Methylcholanthrene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)anthracene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chrysene                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Di-n-octyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(b)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(k)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)pyrene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenz(a,h)anthracene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(g,h,i)perylene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)

## 2001 Final Data Report

|                      |                     |            |            |
|----------------------|---------------------|------------|------------|
| <b>Sample I.D.</b>   | 20332 - Field blank | 20333 - D1 | 20333 - R1 |
| <b>File I.D.</b>     | ENG2013.D           | ENG2014.D  | ENG2057.D  |
| <b>Date Sampled</b>  | 5/25/2001           | 5/25/2001  | 5/25/2001  |
| <b>Date Analyzed</b> | 6/16/2001           | 6/16/2001  | 6/23/2001  |

Actual Vol (m<sup>3</sup>)      195.2      Actual Vol (m<sup>3</sup>)      195.2

| <u>Compound</u>             | <u>Final Conc (µg)</u> | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> |
|-----------------------------|------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | ND                     | ND                            | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | ND                     | 10.27                  | 0.05                          | U                      | 8.98                          |
| Benzyl alcohol              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | ND                     | 44.89                  | 0.23                          | 44.87                  | 0.23                          |
| 2,6-Dichlorophenol          | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | ND                     | 28.36                  | 0.15                          | 26.13                  | 0.13                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dinitrobenzene          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dinitrotoluene          | ND                     | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)

## 2001 Final Data Report

| Sample I.D.                   | 20332 - Field blank | 20333 - D1      |                              | 20333 - R1      |             |
|-------------------------------|---------------------|-----------------|------------------------------|-----------------|-------------|
| File I.D.                     | ENG2013.D           | ENG2014.D       | <th>ENG2057.D</th> <td></td> | ENG2057.D       |             |
| Date Sampled                  | 5/25/2001           | 5/25/2001       |                              | 5/25/2001       |             |
| Date Analyzed                 | 6/16/2001           | 6/16/2001       |                              | 6/23/2001       |             |
|                               |                     | Actual Vol (m³) | 195.2                        | Actual Vol (m³) | 195.2       |
| Compound                      | Final Conc (µg)     | Final Conc (µg) | Final µg/m³                  | Final Conc (µg) | Final µg/m³ |
| 2-Naphthylamine               | ND                  | ND              | ND                           | ND              | ND          |
| Dibenzofuran                  | ND                  | ND              | ND                           | 0.47            | 0.002       |
| Pentachlorobenzene            | ND                  | ND              | ND                           | ND              | ND          |
| 1-Naphthylamine               | ND                  | ND              | ND                           | ND              | ND          |
| Diethyl phthalate             | ND                  | ND              | ND                           | ND              | ND          |
| 2,3,4,6-Tetrachlorophenol     | ND                  | ND              | ND                           | ND              | ND          |
| 4-Nitroaniline                | ND                  | ND              | ND                           | ND              | ND          |
| 4-Chlorophenyl-phenyl ether   | ND                  | ND              | ND                           | ND              | ND          |
| Fluorene                      | ND                  | 0.52            | 0.003                        | U               | 0.54        |
| 5-Nitro-o-toluidine           | ND                  | ND              | ND                           | ND              | ND          |
| 4,6-Dinitro-2-methylphenol    | ND                  | ND              | ND                           | ND              | ND          |
| Diphenylamine                 | ND                  | ND              | ND                           | ND              | ND          |
| Azobenzene                    | ND                  | ND              | ND                           | ND              | ND          |
| Phenacetin                    | ND                  | ND              | ND                           | ND              | ND          |
| Diallate                      | ND                  | ND              | ND                           | ND              | ND          |
| 4-Bromophenyl phenyl ether    | ND                  | ND              | ND                           | ND              | ND          |
| 4-Aminobiphenyl               | ND                  | ND              | ND                           | ND              | ND          |
| Hexachlorobenzene             | ND                  | ND              | ND                           | ND              | ND          |
| Pronamide                     | ND                  | ND              | ND                           | ND              | ND          |
| Pentachlorophenol             | ND                  | ND              | ND                           | ND              | ND          |
| Pentachloronitrobenzene       | ND                  | ND              | ND                           | ND              | ND          |
| Phenanthrene                  | ND                  | ND              | ND                           | 2.32            | 0.01        |
| Dinoseb                       | ND                  | ND              | ND                           | ND              | ND          |
| Anthracene                    | ND                  | ND              | ND                           | ND              | ND          |
| Carbazole                     | ND                  | ND              | ND                           | ND              | ND          |
| Di-n-butyl phthalate          | ND                  | ND              | ND                           | ND              | ND          |
| Benzidine                     | ND                  | ND              | ND                           | ND              | ND          |
| Isodrin                       | ND                  | ND              | ND                           | ND              | ND          |
| Fluoranthene                  | ND                  | ND              | ND                           | ND              | ND          |
| Pyrene                        | ND                  | ND              | ND                           | ND              | ND          |
| 4-Dimethylaminoazobenzene     | ND                  | ND              | ND                           | ND              | ND          |
| Chlorobenzilate               | ND                  | ND              | ND                           | ND              | ND          |
| 3,3'-Dimethylbenzidine        | ND                  | ND              | ND                           | ND              | ND          |
| Butyl benzyl phthalate        | ND                  | ND              | ND                           | ND              | ND          |
| 2-Acetylaminofluorene         | ND                  | ND              | ND                           | ND              | ND          |
| 3-Methylcholanthrene          | ND                  | ND              | ND                           | ND              | ND          |
| 3,3'-Dichlorobenzidine        | ND                  | ND              | ND                           | ND              | ND          |
| bis(2-Ethylhexyl)phthalate    | ND                  | ND              | ND                           | ND              | ND          |
| Benzo(a)anthracene            | ND                  | ND              | ND                           | ND              | ND          |
| Chrysene                      | ND                  | ND              | ND                           | ND              | ND          |
| Di-n-octyl phthalate          | ND                  | ND              | ND                           | ND              | ND          |
| 7,12-Dimethylbenz(a)anthracen | ND                  | ND              | ND                           | ND              | ND          |
| Benzo(b)fluoranthene          | ND                  | ND              | ND                           | ND              | ND          |
| Benzo(k)fluoranthene          | ND                  | ND              | ND                           | ND              | ND          |
| Benzo(a)pyrene                | ND                  | ND              | ND                           | ND              | ND          |
| Indeno(1,2,3-cd)pyrene        | ND                  | ND              | ND                           | ND              | ND          |
| Dibenz(a,h)anthracene         | ND                  | ND              | ND                           | ND              | ND          |
| Benzo(g,h,i)perylene          | ND                  | ND              | ND                           | ND              | ND          |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)

## 2001 Final Data Report

| Sample I.D.                 | 20334 - D2                   | Sample I.D.                  | 20334 - R2                   | Sample I.D.                  | 20565 - D1                   |
|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| File I.D.                   | ENG2015.D                    | File I.D.                    | ENG2058.D                    | File I.D.                    | ENG2038.D                    |
| Date Sampled                | 5/25/2001                    | Date Sampled                 | 5/25/2001                    | Date Sampled                 | 6/6/2001                     |
| Date Analyzed               | 6/16/2001                    | Date Analyzed                | 6/23/2001                    | Date Analyzed                | 6/22/2001                    |
|                             | Actual Vol (m <sup>3</sup> ) |
|                             | 229.3                        |                              | 229.3                        |                              | 212.3                        |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup>      | Final Conc (µg)              | Final µg/m <sup>3</sup>      | Final Conc (µg)              |
| N-Nitrosodimethylamine      | ND                           | ND                           | ND                           | ND                           | ND                           |
| Pyridine                    | ND                           | ND                           | ND                           | ND                           | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                           | ND                           | ND                           | ND                           |
| 2-Picoline                  | ND                           | ND                           | ND                           | ND                           | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                           | ND                           | ND                           | ND                           |
| Methyl methanesulfonate     | ND                           | ND                           | ND                           | ND                           | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                           | ND                           | ND                           | ND                           |
| Phenol                      | ND                           | ND                           | ND                           | ND                           | 22.59                        |
| Pentachloroethane           | ND                           | ND                           | ND                           | ND                           | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                           | ND                           | ND                           | ND                           |
| Aniline                     | ND                           | ND                           | ND                           | ND                           | ND                           |
| 2-Chlorophenol              | ND                           | ND                           | ND                           | ND                           | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                           | ND                           | ND                           | ND                           |
| 1,4-Dichlorobenzene         | 12.26                        | 0.05                         | 10.05                        | 0.04                         | U                            |
| Benzyl alcohol              | ND                           | ND                           | ND                           | ND                           | ND                           |
| 2-Methylphenol              | ND                           | ND                           | ND                           | ND                           | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                           | ND                           | ND                           | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                           | ND                           | ND                           | ND                           |
| 3&4-Methylphenol            | ND                           | ND                           | ND                           | ND                           | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                           | ND                           | ND                           | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                           | ND                           | ND                           | ND                           |
| o-Toluidine                 | ND                           | ND                           | ND                           | ND                           | ND                           |
| Hexachloroethane            | ND                           | ND                           | ND                           | ND                           | ND                           |
| Acetophenone                | ND                           | ND                           | ND                           | ND                           | ND                           |
| Nitrobenzene                | ND                           | ND                           | ND                           | ND                           | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                           | ND                           | ND                           | ND                           |
| Isophorone                  | ND                           | ND                           | ND                           | ND                           | ND                           |
| 2-Nitrophenol               | ND                           | ND                           | ND                           | ND                           | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                           | ND                           | ND                           | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                           | ND                           | ND                           | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                           | ND                           | ND                           | ND                           |
| 4-Chloroaniline             | ND                           | ND                           | ND                           | ND                           | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                           | ND                           | ND                           | ND                           |
| Naphthalene                 | 57.45                        | 0.25                         | 52.73                        | 0.23                         | 168.89                       |
| 2,6-Dichlorophenol          | ND                           | ND                           | ND                           | ND                           | ND                           |
| Hexachloropropene           | ND                           | ND                           | ND                           | ND                           | ND                           |
| Hexachlorobutadiene         | ND                           | ND                           | ND                           | ND                           | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                           | ND                           | ND                           | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                           | ND                           | ND                           | ND                           |
| Safrole                     | ND                           | ND                           | ND                           | ND                           | ND                           |
| 2-Methylnaphthalene         | 32.87                        | 0.14                         | 28.63                        | 0.12                         | 49.29                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                           | ND                           | ND                           | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                           | ND                           | ND                           | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                           | ND                           | ND                           | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                           | ND                           | ND                           | ND                           |
| 2-Nitroaniline              | ND                           | ND                           | ND                           | ND                           | ND                           |
| Iisosafrole                 | ND                           | ND                           | ND                           | ND                           | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                           | ND                           | ND                           | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                           | ND                           | ND                           | ND                           |
| Dimethyl phthalate          | ND                           | ND                           | ND                           | ND                           | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                           | ND                           | ND                           | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                           | ND                           | ND                           | ND                           |
| 3-Nitroaniline              | ND                           | ND                           | ND                           | ND                           | ND                           |
| Acenaphthylene              | ND                           | ND                           | ND                           | ND                           | 2.05                         |
| 2,4-Dinitrophenol           | ND                           | ND                           | ND                           | ND                           | ND                           |
| 4-Nitrophenol               | ND                           | ND                           | ND                           | ND                           | ND                           |
| Acenaphthene                | 0.88                         | 0.004                        | U                            | ND                           | 3.07                         |
| 2,4-Dinitrotoluene          | ND                           | ND                           | ND                           | ND                           | ND                           |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |                              |       |                              |       |                              |       |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| <b>Sample I.D.</b>   | 20334 - D2                   |       | 20334 - R2                   |       | 20565 - D1                   |       |
| <b>File I.D.</b>     | ENG2015.D                    |       | ENG2058.D                    |       | ENG2038.D                    |       |
| <b>Date Sampled</b>  | 5/25/2001                    |       | 5/25/2001                    |       | 6/6/2001                     |       |
| <b>Date Analyzed</b> | 6/16/2001                    |       | 6/23/2001                    |       | 6/22/2001                    |       |
|                      | Actual Vol (m <sup>3</sup> ) | 229.3 | Actual Vol (m <sup>3</sup> ) | 229.3 | Actual Vol (m <sup>3</sup> ) | 212.3 |

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |      |
|-------------------------------|------------------------|-------------------------------|---|------------------------|-------------------------------|------------------------|-------------------------------|------|
| 2-Naphthylamine               | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Dibenzofuran                  | 1.10                   | 0.005                         | U | ND                     | ND                            | 3.64                   | 0.02                          | U    |
| Pentachlorobenzene            | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 1-Naphthylamine               | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Diethyl phthalate             | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 4-Nitroaniline                | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Fluorene                      | 0.95                   | 0.004                         | U | 0.58                   | 0.003                         | U                      | 3.33                          | 0.02 |
| 5-Nitro-o-toluidine           | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Diphenylamine                 | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Azobenzene                    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Phenacetin                    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Diallate                      | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 4-Bromophenyl phenyl ether    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 4-Aminobiphenyl               | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Hexachlorobenzene             | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Pronamide                     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Pentachlorophenol             | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Pentachloronitrobenzene       | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Phenanthrene                  | 2.98                   | 0.01                          | U | ND                     | ND                            | 6.50                   | 0.03                          | U    |
| Dinoseb                       | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Anthracene                    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Carbazole                     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Di-n-butyl phthalate          | 17.23                  | 0.08                          |   | 16.34                  | 0.07                          | ND                     | ND                            |      |
| Benzidine                     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Isodrin                       | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Fluoranthene                  | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Pyrene                        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 4-Dimethylaminoazobenzene     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Chlorobenzilate               | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 3,3'-Dimethylbenzidine        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Butyl benzyl phthalate        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 2-Acetylaminofluorene         | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 3-Methylcholanthrene          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 3,3'-Dichlorobenzidine        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| bis(2-Ethylhexyl)phthalate    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Benzo(a)anthracene            | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Chrysene                      | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Di-n-octyl phthalate          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Benzo(b)fluoranthene          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Benzo(k)fluoranthene          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Benzo(a)pyrene                | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Dibenz(a,h)anthracene         | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |
| Benzo(g,h,i)perylene          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)

## 2001 Final Data Report

| Sample I.D.                 | 20565 - R1                   |                         | 20566 - D2                   |                         | 20566 - R2                   |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2049.D                    |                         | ENG2039.D                    |                         | ENG2050.D                    |                         |
| Date Sampled                | 6/6/2001                     |                         | 6/6/2001                     |                         | 6/6/2001                     |                         |
| Date Analyzed               | 6/22/2001                    |                         | 6/22/2001                    |                         | 6/22/2001                    |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 212.3                   | Actual Vol (m <sup>3</sup> ) | 235.5                   | Actual Vol (m <sup>3</sup> ) | 235.5                   |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | 23.67                        | 0.11                    | 27.58                        | 0.12                    | 26.42                        | 0.11                    |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 19.88                        | 0.09                    | 23.05                        | 0.10                    | 22.75                        | 0.10                    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 175.45                       | 0.83                    | 190.80                       | 0.81                    | 188.74                       | 0.80                    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 51.63                        | 0.24                    | 54.86                        | 0.23                    | 54.61                        | 0.23                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Iisosafrole                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | 2.05                         | 0.01                    | U                            | 2.44                    | 0.01                         | U                       |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 3.07                         | 0.01                    | U                            | 3.70                    | 0.02                         | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                    | 20565 - R1                   | 20566 - D2              | 20566 - R2                   |                         |                              |                         |
|--------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                      | ENG2049.D                    | ENG2039.D               | ENG2050.D                    |                         |                              |                         |
| Date Sampled                   | 6/6/2001                     | 6/6/2001                | 6/6/2001                     |                         |                              |                         |
| Date Analyzed                  | 6/22/2001                    | 6/22/2001               | 6/22/2001                    |                         |                              |                         |
|                                | Actual Vol (m <sup>3</sup> ) | 212.3                   | Actual Vol (m <sup>3</sup> ) | 235.5                   | Actual Vol (m <sup>3</sup> ) | 235.5                   |
| Compound                       | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| 2-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenzofuran                   | 3.65                         | 0.02                    | U                            | 4.08                    | 0.02                         | U                       |
| Pentachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diethyl phthalate              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitroaniline                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluorene                       | ND                           | ND                      | 4.15                         | 0.02                    | U                            | 3.50                    |
| 5-Nitro-o-toluidine            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diphenylamine                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Azobenzene                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenacetin                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diallate                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Aminobiphenyl                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobenzene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pronamide                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloronitrobenzene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenanthrene                   | 7.26                         | 0.03                    | U                            | 6.99                    | 0.03                         | U                       |
| Dinoseb                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Anthracene                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Carbazole                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Di-n-butyl phthalate           | ND                           | ND                      | 12.56                        | 0.05                    | U                            | 13.39                   |
| Benzidine                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isodrin                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluoranthene                   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyrene                         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chlorobenzilate                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Butyl benzyl phthalate         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Acetylaminofluorene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Methylcholanthrene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)anthracene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chrysene                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Di-n-octyl phthalate           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(b)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(k)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)pyrene                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenz(a,h)anthracene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(g,h,i)perylene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |                              |       |                              |       |                              |       |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| <b>Sample I.D.</b>   | 21021 - D1                   |       | 21021 - R1                   |       | 21022 - D2                   |       |
| <b>File I.D.</b>     | ENG2131.D                    |       | ENG2137.D                    |       | ENG2132.D                    |       |
| <b>Date Sampled</b>  | 6/18/2001                    |       | 6/18/2001                    |       | 6/18/2001                    |       |
| <b>Date Analyzed</b> | 7/13/2001                    |       | 7/14/2001                    |       | 7/13/2001                    |       |
|                      | Actual Vol (m <sup>3</sup> ) | 184.6 | Actual Vol (m <sup>3</sup> ) | 184.6 | Actual Vol (m <sup>3</sup> ) | 197.3 |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 13.08                  | 0.07                          | 33.06                  | 0.18                          | 12.44                  | 0.06                          |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | 84.46                  | 0.46                          | 136.83                 | 0.74                          | 91.62                  | 0.46                          |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 44.30                  | 0.24                          | 62.68                  | 0.34                          | 49.07                  | 0.25                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dinitrobenzene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | 3.62                   | 0.02                          | U                      | 6.03                          | 0.03                   | 4.25                          |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |

U

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |                              |       |                              |       |                              |       |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| <b>Sample I.D.</b>   | 21021 - D1                   |       | 21021 - R1                   |       | 21022 - D2                   |       |
| <b>File I.D.</b>     | ENG2131.D                    |       | ENG2137.D                    |       | ENG2132.D                    |       |
| <b>Date Sampled</b>  | 6/18/2001                    |       | 6/18/2001                    |       | 6/18/2001                    |       |
| <b>Date Analyzed</b> | 7/13/2001                    |       | 7/14/2001                    |       | 7/13/2001                    |       |
|                      | Actual Vol (m <sup>3</sup> ) | 184.6 | Actual Vol (m <sup>3</sup> ) | 184.6 | Actual Vol (m <sup>3</sup> ) | 197.3 |

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   |
|-------------------------------|------------------------|-------------------------------|---|------------------------|-------------------------------|---|------------------------|-------------------------------|---|
| 2-Naphthylamine               | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Dibenzofuran                  | 4.94                   | 0.03                          | U | 8.00                   | 0.04                          | U | 4.66                   | 0.02                          | U |
| Pentachlorobenzene            | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 1-Naphthylamine               | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diethyl phthalate             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Nitroaniline                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Fluorene                      | 3.90                   | 0.02                          | U | ND                     | ND                            |   | 4.25                   | 0.02                          | U |
| 5-Nitro-o-toluidine           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diphenylamine                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Azobenzene                    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Phenacetin                    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diallate                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Bromophenyl phenyl ether    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Aminobiphenyl               | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Hexachlorobenzene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pronamide                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pentachlorophenol             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pentachloronitrobenzene       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Phenanthrene                  | 10.46                  | 0.06                          |   | 21.34                  | 0.12                          |   | 9.48                   | 0.05                          | U |
| Dinoseb                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Anthracene                    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Carbazole                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Di-n-butyl phthalate          | ND                     | ND                            |   | 19.18                  | 0.10                          |   | 28.25                  | 0.14                          |   |
| Benzidine                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Isodrin                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Fluoranthene                  | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pyrene                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Dimethylaminoazobenzene     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Chlorobenzilate               | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3,3'-Dimethylbenzidine        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Butyl benzyl phthalate        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 2-Acetylaminofluorene         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3-Methylcholanthrene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3,3'-Dichlorobenzidine        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| bis(2-Ethylhexyl)phthalate    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(a)anthracene            | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Chrysene                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Di-n-octyl phthalate          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(b)fluoranthene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(k)fluoranthene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(a)pyrene                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Dibenz(a,h)anthracene         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(g,h,i)perylene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |            |  |            |  |            |
|----------------------|------------|--|------------|--|------------|
| <b>Sample I.D.</b>   | 21022 - R2 |  | 21314 - D1 |  | 21314 - R1 |
| <b>File I.D.</b>     | ENG2138.D  |  | ENG2227.D  |  | ENG2257.D  |
| <b>Date Sampled</b>  | 6/18/2001  |  | 6/30/2001  |  | 6/30/2001  |
| <b>Date Analyzed</b> | 7/14/2001  |  | 8/3/2001   |  | 8/9/2001   |

Actual Vol (m<sup>3</sup>)      197.3      Actual Vol (m<sup>3</sup>)      232.6      Actual Vol (m<sup>3</sup>)      232.6

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 12.84                  | 0.07                          | 5.93                   | 0.03                          | U                      | 0.02                          |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | 83.09                  | 0.42                          | 60.29                  | 0.26                          | 53.41                  | 0.23                          |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 44.94                  | 0.23                          | 30.41                  | 0.13                          | 26.62                  | 0.11                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dinitrobenzene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | 3.14                   | 0.02                          | U                      | 2.86                          | 0.01                   | U                             |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |                              |       |                              |       |                              |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|
| <b>Sample I.D.</b>   | 21022 - R2                   |       | 21314 - D1                   |       | 21314 - R1                   |
| <b>File I.D.</b>     | ENG2138.D                    |       | ENG2227.D                    |       | ENG2257.D                    |
| <b>Date Sampled</b>  | 6/18/2001                    |       | 6/30/2001                    |       | 6/30/2001                    |
| <b>Date Analyzed</b> | 7/14/2001                    |       | 8/3/2001                     |       | 8/9/2001                     |
|                      | Actual Vol (m <sup>3</sup> ) | 197.3 | Actual Vol (m <sup>3</sup> ) | 232.6 | Actual Vol (m <sup>3</sup> ) |
|                      |                              |       |                              |       | 232.6                        |

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   |
|-------------------------------|------------------------|-------------------------------|---|------------------------|-------------------------------|---|------------------------|-------------------------------|---|
| 2-Naphthylamine               | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Dibenzofuran                  | 4.17                   | 0.02                          | U | 4.69                   | 0.02                          | U | 4.74                   | 0.02                          | U |
| Pentachlorobenzene            | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 1-Naphthylamine               | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diethyl phthalate             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Nitroaniline                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Fluorene                      | 4.13                   | 0.02                          | U | 4.59                   | 0.02                          | U | 4.50                   | 0.02                          | U |
| 5-Nitro-o-toluidine           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diphenylamine                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Azobenzene                    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Phenacetin                    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diallate                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Bromophenyl phenyl ether    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Aminobiphenyl               | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Hexachlorobenzene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pronamide                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pentachlorophenol             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pentachloronitrobenzene       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Phenanthrene                  | 9.31                   | 0.05                          | U | 11.96                  | 0.05                          |   | 10.44                  | 0.04                          |   |
| Dinoseb                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Anthracene                    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Carbazole                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Di-n-butyl phthalate          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzidine                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Isodrin                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Fluoranthene                  | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pyrene                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Dimethylaminoazobenzene     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Chlorobenzilate               | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3,3'-Dimethylbenzidine        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Butyl benzyl phthalate        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 2-Acetylaminofluorene         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3-Methylcholanthrene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3,3'-Dichlorobenzidine        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| bis(2-Ethylhexyl)phthalate    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(a)anthracene            | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Chrysene                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Di-n-octyl phthalate          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(b)fluoranthene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(k)fluoranthene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(a)pyrene                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Dibenz(a,h)anthracene         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(g,h,i)perylene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                 | 21315 - D2                   | 21315 - R2              | 21520 - D1                   |                         |                              |                         |       |      |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|-------|------|
| File I.D.                   | ENG2228.D                    | ENG2258.D               | ENG2270.D                    |                         |                              |                         |       |      |
| Date Sampled                | 6/30/2001                    | 6/30/2001               | 7/12/2001                    |                         |                              |                         |       |      |
| Date Analyzed               | 8/3/2001                     | 8/9/2001                | 8/10/2001                    |                         |                              |                         |       |      |
|                             | Actual Vol (m <sup>3</sup> ) | 236.2                   | Actual Vol (m <sup>3</sup> ) | 236.2                   | Actual Vol (m <sup>3</sup> ) | 235.4                   |       |      |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |       |      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 1,4-Dichlorobenzene         | 5.99                         | 0.03                    | U                            | 5.13                    | 0.02                         | U                       | 14.67 | 0.06 |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Naphthalene                 | 62.55                        | 0.26                    |                              | 49.39                   | 0.21                         |                         | 64.08 | 0.27 |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2-Methylnaphthalene         | 29.36                        | 0.12                    |                              | 26.36                   | 0.11                         |                         | 31.03 | 0.13 |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Iisosafrole                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Acenaphthene                | 3.38                         | 0.01                    | U                            | 2.45                    | 0.01                         | U                       | 2.68  | 0.01 |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 21315 - D2                   | 21315 - R2                    | 21520 - D1                   |                               |                              |                               |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                     | ENG2228.D                    | ENG2258.D                     | ENG2270.D                    |                               |                              |                               |
| Date Sampled                  | 6/30/2001                    | 6/30/2001                     | 7/12/2001                    |                               |                              |                               |
| Date Analyzed                 | 8/3/2001                     | 8/9/2001                      | 8/10/2001                    |                               |                              |                               |
|                               | Actual Vol (m <sup>3</sup> ) | 236.2                         | Actual Vol (m <sup>3</sup> ) | 236.2                         | Actual Vol (m <sup>3</sup> ) | 235.4                         |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                  | 6.05                         | 0.03                          | U                            | 4.25                          | 0.02                         | U                             |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluorene                      | 5.62                         | 0.02                          | U                            | 4.52                          | 0.02                         | U                             |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                  | 13.40                        | 0.06                          | 11.77                        | 0.05                          | 8.49                         | 0.04                          |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate          | 39.83                        | 0.17                          | 39.35                        | 0.17                          | ND                           | ND                            |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.   | 21520 - R1                   | Sample I.D. | 21521 - D2                   | Sample I.D. | 21521 - R2                   |
|---------------|------------------------------|-------------|------------------------------|-------------|------------------------------|
| File I.D.     | ENG2271.D                    |             | ENG2272.D                    |             | ENG2273.D                    |
| Date Sampled  | 7/12/2001                    |             | 7/12/2001                    |             | 7/12/2001                    |
| Date Analyzed | 8/10/2001                    |             | 8/10/2001                    |             | 8/10/2001                    |
|               | Actual Vol (m <sup>3</sup> ) | 235.4       | Actual Vol (m <sup>3</sup> ) | 221.0       | Actual Vol (m <sup>3</sup> ) |
|               |                              |             |                              |             | 221.0                        |

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pyridine                    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Picoline                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenol                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pentachloroethane           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Aniline                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 15.15           | 0.06                    | 13.69           | 0.06                    | 12.85           | 0.06                    |
| Benzyl alcohol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| o-Toluidine                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloroethane            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acetophenone                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Nitrobenzene                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isophorone                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Naphthalene                 | 64.44           | 0.27                    | 59.94           | 0.27                    | 57.70           | 0.26                    |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloropropene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Safrole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 32.22           | 0.14                    | 28.71           | 0.13                    | 29.24           | 0.13                    |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Iosafrole                   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dintrobenzene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthylene              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthene                | 3.48            | 0.01                    | U               | 2.90                    | 0.01            | U                       |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>            | 21520 - R1                   | 21521 - D2                    |                              |                               | 21521 - R2                   |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2271.D                    | ENG2272.D                     |                              |                               | ENG2273.D                    |                               |      |
| <b>Date Sampled</b>           | 7/12/2001                    | 7/12/2001                     |                              |                               | 7/12/2001                    |                               |      |
| <b>Date Analyzed</b>          | 8/10/2001                    | 8/10/2001                     |                              |                               | 8/10/2001                    |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 235.4                         | Actual Vol (m <sup>3</sup> ) | 221.0                         | Actual Vol (m <sup>3</sup> ) | 221.0                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenzofuran                  | 4.38                         | 0.02                          | U                            | 3.79                          | 0.02                         | U                             | 4.17 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluorene                      | 3.89                         | 0.02                          | U                            | 3.78                          | 0.02                         | U                             | 3.66 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenanthrene                  | 8.66                         | 0.04                          | U                            | 8.64                          | 0.04                         | U                             | 9.01 |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-butyl phthalate          | ND                           | ND                            | 27.38                        | 0.12                          | 28.63                        | 0.13                          |      |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                 | 21754                        | 21980 - D1                   | 21980 - R1                   |                              |                 |                         |
|-----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------|-------------------------|
| File I.D.                   | ENG2306.D                    | ENG2318.D                    | ENG2319.D                    |                              |                 |                         |
| Date Sampled                | 7/24/2001                    | 8/5/2001                     | 8/5/2001                     |                              |                 |                         |
| Date Analyzed               | 8/21/2001                    | 8/22/2001                    | 8/22/2001                    |                              |                 |                         |
|                             | Actual Vol (m <sup>3</sup> ) | Final Conc (µg) | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Pyridine                    | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2-Picoline                  | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Methyl methanesulfonate     | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Phenol                      | ND                           | ND                           | 20.31                        | 0.09                         | U               | 18.55                   |
| Pentachloroethane           | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Aniline                     | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2-Chlorophenol              | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 1,4-Dichlorobenzene         | 5.21                         | 0.02                         | U                            | 35.25                        | 0.16            | 32.52                   |
| Benzyl alcohol              | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2-Methylphenol              | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 3&4-Methylphenol            | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| o-Toluidine                 | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Hexachloroethane            | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Acetophenone                | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Nitrobenzene                | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Isophorone                  | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2-Nitrophenol               | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 4-Chloroaniline             | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Naphthalene                 | 45.12                        | 0.21                         |                              | 159.93                       | 0.74            | 164.21                  |
| 2,6-Dichlorophenol          | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Hexachloropropene           | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Hexachlorobutadiene         | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Safrole                     | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2-Methylnaphthalene         | 23.25                        | 0.11                         |                              | 85.92                        | 0.40            | 83.58                   |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2-Nitroaniline              | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Isosafrole                  | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Dimethyl phthalate          | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 3-Nitroaniline              | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Acenaphthylene              | ND                           | ND                           | 1.19                         | 0.01                         | U               | 1.08                    |
| 2,4-Dinitrophenol           | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 4-Nitrophenol               | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Acenaphthene                | 1.57                         | 0.01                         | U                            | 5.63                         | 0.03            | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                    | 21754                        | 21980 - D1                   | 21980 - R1                   |                              |                 |                         |
|--------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------|-------------------------|
| File I.D.                      | ENG2306.D                    | ENG2318.D                    | ENG2319.D                    |                              |                 |                         |
| Date Sampled                   | 7/24/2001                    | 8/5/2001                     | 8/5/2001                     |                              |                 |                         |
| Date Analyzed                  | 8/21/2001                    | 8/22/2001                    | 8/22/2001                    |                              |                 |                         |
|                                | Actual Vol (m <sup>3</sup> ) | Final Conc (µg) | Final µg/m <sup>3</sup> |
| 2-Naphthylamine                | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Dibenzofuran                   | 3.36                         | 0.02                         | U                            | 7.42                         | 0.03            | U                       |
| Pentachlorobenzene             | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 1-Naphthylamine                | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Diethyl phthalate              | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 4-Nitroaniline                 | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Fluorene                       | 2.75                         | 0.01                         | U                            | 6.79                         | 0.03            | U                       |
| 5-Nitro-o-toluidine            | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Diphenylamine                  | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Azobenzene                     | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Phenacetin                     | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Diallate                       | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 4-Aminobiphenyl                | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Hexachlorobenzene              | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Pronamide                      | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Pentachlorophenol              | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Pentachloronitrobenzene        | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Phenanthrene                   | 8.26                         | 0.04                         | U                            | 14.39                        | 0.07            | 14.54                   |
| Dinoseb                        | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Anthracene                     | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Carbazole                      | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Di-n-butyl phthalate           | 34.07                        | 0.16                         |                              | 1.81                         | 0.01            | U                       |
| Benzidine                      | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Isodrin                        | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Fluoranthene                   | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Pyrene                         | ND                           | ND                           | 1.03                         | 0.005                        | U               | 0.92                    |
| 4-Dimethylaminoazobenzene      | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Chlorobenzilate                | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Butyl benzyl phthalate         | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 2-Acetylaminofluorene          | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 3-Methylcholanthrene           | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| bis(2-Ethylhexyl)phthalate     | 1.71                         | 0.01                         | U                            | 1.25                         | 0.01            | U                       |
| Benzo(a)anthracene             | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Chrysene                       | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Di-n-octyl phthalate           | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Benzo(b)fluoranthene           | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Benzo(k)fluoranthene           | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Benzo(a)pyrene                 | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Dibenz(a,h)anthracene          | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |
| Benzo(g,h,i)perylene           | ND                           | ND                           | ND                           | ND                           | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                 | 21981 - D2                   | 21981 - R2                    | 22211 - D1                   |                               |                              |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                   | ENG2320.D                    | ENG2321.D                     | ENG2356.D                    |                               |                              |                               |
| Date Sampled                | 8/5/2001                     | 8/5/2001                      | 8/17/2001                    |                               |                              |                               |
| Date Analyzed               | 8/22/2001                    | 8/22/2001                     | 9/21/2001                    |                               |                              |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 183.6                         | Actual Vol (m <sup>3</sup> ) | 183.6                         | Actual Vol (m <sup>3</sup> ) | 196.8                         |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | 14.49                        | 0.08                          | U                            | ND                            | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            |                              | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 26.04                        | 0.14                          | 26.35                        | 0.14                          | 4.30                         | 0.02                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 146.59                       | 0.80                          | 140.37                       | 0.76                          | 38.72                        | 0.20                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 70.17                        | 0.38                          | 67.56                        | 0.37                          | 23.87                        | 0.12                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | 1.02                         | 0.01                          | U                            | 0.86                          | 0.005                        | U                             |
| 2,4-Dinitrophenol           | ND                           | ND                            |                              | ND                            | ND                           |                               |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 5.67                         | 0.03                          | U                            | 5.24                          | 0.03                         | U                             |
| 2,4-Dinitrotoluene          | ND                           | ND                            |                              | ND                            | ND                           |                               |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                    | 21981 - D2                   | 21981 - R2              |                              |                         | 22211 - D1                   |                         |      |
|--------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------|
| File I.D.                      | ENG2320.D                    | ENG2321.D               |                              |                         | ENG2356.D                    |                         |      |
| Date Sampled                   | 8/5/2001                     | 8/5/2001                |                              |                         | 8/17/2001                    |                         |      |
| Date Analyzed                  | 8/22/2001                    | 8/22/2001               |                              |                         | 9/21/2001                    |                         |      |
|                                | Actual Vol (m <sup>3</sup> ) | 183.6                   | Actual Vol (m <sup>3</sup> ) | 183.6                   | Actual Vol (m <sup>3</sup> ) | 196.8                   |      |
| Compound                       | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |      |
| 2-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Dibenzofuran                   | 7.06                         | 0.04                    | U                            | 6.59                    | 0.04                         | U                       | 1.20 |
| Pentachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 1-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diethyl phthalate              | 2.20                         | 0.01                    | U                            | 2.16                    | 0.01                         | U                       | ND   |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Nitroaniline                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Fluorene                       | 6.51                         | 0.04                    | U                            | 5.59                    | 0.03                         | U                       | 1.20 |
| 5-Nitro-o-toluidine            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diphenylamine                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Azobenzene                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Phenacetin                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diallate                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Aminobiphenyl                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Hexachlorobenzene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pronamide                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pentachlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pentachloronitrobenzene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Phenanthrene                   | 12.41                        | 0.07                    |                              | 13.37                   | 0.07                         | 3.34                    | 0.02 |
| Dinoseb                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Anthracene                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Carbazole                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Di-n-butyl phthalate           | 28.53                        | 0.16                    |                              | 29.34                   | 0.16                         | ND                      | ND   |
| Benzidine                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Isodrin                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Fluoranthene                   | 2.43                         | 0.01                    | U                            | 2.40                    | 0.01                         | U                       | ND   |
| Pyrene                         | 0.88                         | 0.005                   | U                            | 0.85                    | 0.005                        | U                       | ND   |
| 4-Dimethylaminoazobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Chlorobenzilate                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Butyl benzyl phthalate         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 2-Acetylaminofluorene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3-Methylcholanthrene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| bis(2-Ethylhexyl)phthalate     | 1.62                         | 0.01                    | U                            | 1.70                    | 0.01                         | U                       | ND   |
| Benzo(a)anthracene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Chrysene                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Di-n-octyl phthalate           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(b)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(k)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(a)pyrene                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Dibenz(a,h)anthracene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(g,h,i)perylene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                 | 22211 - R1                   | 22212 - D2                   | 22212 - R2                   |                         |                 |                         |
|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------|-----------------|-------------------------|
| File I.D.                   | ENG2469.D                    | ENG2357.D                    | ENG2470.D                    |                         |                 |                         |
| Date Sampled                | 8/17/2001                    | 8/17/2001                    | 8/17/2001                    |                         |                 |                         |
| Date Analyzed               | 10/19/2001                   | 9/21/2001                    | 10/17/2001                   |                         |                 |                         |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) |                         |                 |                         |
|                             | 196.8                        | 202.3                        | 240.4                        |                         |                 |                         |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup>      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Pyridine                    | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Picoline                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Phenol                      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Pentachloroethane           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Aniline                     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 3.72                         | 0.02                         | U                            | 4.69                    | 0.02            | U                       |
| Benzyl alcohol              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| o-Toluidine                 | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachloroethane            | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Acetophenone                | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Nitrobenzene                | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Isophorone                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Naphthalene                 | 30.79                        | 0.16                         |                              | 42.63                   | 0.21            | 36.51                   |
| 2,6-Dichlorophenol          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachloropropene           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Safrole                     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 19.01                        | 0.10                         |                              | 25.49                   | 0.13            | 22.97                   |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Isosafrole                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Acenaphthylene              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4-Dinitrophenol           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Acenaphthene                | 0.67                         | 0.003                        | U                            | 0.93                    | 0.005           | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 22211 - R1                   | 22212 - D2              |                              |                         | 22212 - R2                   |                         |      |
|-------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------|
| File I.D.                     | ENG2469.D                    | ENG2357.D               |                              |                         | ENG2470.D                    |                         |      |
| Date Sampled                  | 8/17/2001                    | 8/17/2001               |                              |                         | 8/17/2001                    |                         |      |
| Date Analyzed                 | 10/19/2001                   | 9/21/2001               |                              |                         | 10/17/2001                   |                         |      |
|                               | Actual Vol (m <sup>3</sup> ) | 196.8                   | Actual Vol (m <sup>3</sup> ) | 202.3                   | Actual Vol (m <sup>3</sup> ) | 240.4                   |      |
| Compound                      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |      |
| 2-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Dibenzofuran                  | 0.89                         | 0.005                   | U                            | 1.30                    | 0.01                         | U                       | 1.19 |
| Pentachlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 1-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diethyl phthalate             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Nitroaniline                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Fluorene                      | 0.94                         | 0.005                   | U                            | 1.43                    | 0.01                         | U                       | 1.33 |
| 5-Nitro-o-toluidine           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diphenylamine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Azobenzene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Phenacetin                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diallate                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Aminobiphenyl               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Hexachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pronamide                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pentachlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pentachloronitrobenzene       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Phenanthrene                  | 2.75                         | 0.01                    | U                            | 3.58                    | 0.02                         | U                       | 3.52 |
| Dinoseb                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Anthracene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Carbazole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Di-n-butyl phthalate          | ND                           | ND                      | 11.82                        | 0.06                    | U                            | 10.81                   | 0.04 |
| Benzidine                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Isodrin                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Fluoranthene                  | ND                           | ND                      | 0.66                         | 0.003                   | U                            | ND                      | ND   |
| Pyrene                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Dimethylaminoazobenzene     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Chlorobenzilate               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Butyl benzyl phthalate        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 2-Acetylaminofluorene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3-Methylcholanthrene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(a)anthracene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Chrysene                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Di-n-octyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(b)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(k)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(a)pyrene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Dibenz(a,h)anthracene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(g,h,i)perylene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)

## 2001 Final Data Report

| Sample I.D.                    | 22612 - D1                   |                         | 22612 - R1                   |                         | 22613 - D2                   |                         |
|--------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                      | ENG2385.D                    |                         | ENG2386.D                    |                         | ENG2387.D                    |                         |
| Date Sampled                   | 8/29/2001                    |                         | 8/29/2001                    |                         | 8/29/2001                    |                         |
| Date Analyzed                  | 9/23/2001                    |                         | 9/23/2001                    |                         | 9/23/2001                    |                         |
|                                | Actual Vol (m <sup>3</sup> ) | 213.2                   | Actual Vol (m <sup>3</sup> ) | 213.2                   | Actual Vol (m <sup>3</sup> ) | 194.5                   |
| Compound                       | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylmethamphetamine | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloroethane              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene            | 22.42                        | 0.11                    | 24.86                        | 0.12                    | 22.01                        | 0.11                    |
| Benzyl alcohol                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyridine              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                    | 146.31                       | 0.69                    | 137.86                       | 0.65                    | 127.70                       | 0.66                    |
| 2,6-Dichlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene            | 67.71                        | 0.32                    | 65.21                        | 0.31                    | 55.99                        | 0.29                    |
| 1,2,4,5-Tetrachlorobenzene     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene                 | 1.00                         | 0.005                   | U                            | 1.01                    | 0.005                        | U                       |
| 2,4-Dinitrophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                   | 4.98                         | 0.02                    | U                            | 5.59                    | 0.03                         | U                       |
| 2,4-Dinitrotoluene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 22612 - D1                   | 22612 - R1              | 22613 - D2                   |                         |                              |                         |
|-------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                     | ENG2385.D                    | ENG2386.D               | ENG2387.D                    |                         |                              |                         |
| Date Sampled                  | 8/29/2001                    | 8/29/2001               | 8/29/2001                    |                         |                              |                         |
| Date Analyzed                 | 9/23/2001                    | 9/23/2001               | 9/23/2001                    |                         |                              |                         |
|                               | Actual Vol (m <sup>3</sup> ) | 213.2                   | Actual Vol (m <sup>3</sup> ) | 213.2                   | Actual Vol (m <sup>3</sup> ) | 194.5                   |
| Compound                      | Final Conc (ug)              | Final ug/m <sup>3</sup> | Final Conc (ug)              | Final ug/m <sup>3</sup> | Final Conc (ug)              | Final ug/m <sup>3</sup> |
| 2-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenzofuran                  | 4.12                         | 0.02                    | U                            | 4.93                    | 0.02                         | U                       |
| Pentachlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diethyl phthalate             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitroaniline                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluorene                      | 4.46                         | 0.02                    | U                            | 4.80                    | 0.02                         | U                       |
| 5-Nitro-o-toluidine           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diphenylamine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Azobenzene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenacetin                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diallate                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Aminobiphenyl               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pronamide                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloronitrobenzene       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenanthrene                  | 8.80                         | 0.04                    | U                            | 8.29                    | 0.04                         | U                       |
| Dinoseb                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Anthracene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Carbazole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Di-n-butyl phthalate          | ND                           | ND                      | ND                           | ND                      | 14.90                        | 0.08                    |
| Benzidine                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isodrin                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluoranthene                  | 1.09                         | 0.01                    | U                            | 1.15                    | 0.01                         | U                       |
| Pyrene                        | ND                           | ND                      | 0.58                         | 0.003                   | U                            | 1.15                    |
| 4-Dimethylaminoazobenzene     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chlorobenzilate               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Butyl benzyl phthalate        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Acetylaminofluorene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Methylcholanthrene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)anthracene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chrysene                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Di-n-octyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(b)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(k)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)pyrene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenz(a,h)anthracene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(g,h,i)perylene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                    | 22613 - R2                   | 22787 - D1                    | 22787 - R1                   |                               |                              |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                      | ENG2388.D                    | ENG2418.D                     | ENG2419.D                    |                               |                              |                               |
| Date Sampled                   | 8/29/2001                    | 9/10/2001                     | 9/10/2001                    |                               |                              |                               |
| Date Analyzed                  | 9/23/2001                    | 10/2/2001                     | 10/2/2001                    |                               |                              |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 194.5                         | Actual Vol (m <sup>3</sup> ) | 185.4                         | Actual Vol (m <sup>3</sup> ) | 185.4                         |
| <b>Compound</b>                | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> |
| N-Nitrosodimethylamine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylmethamphetamine | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloroethane              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene            | 19.95                        | 0.10                          | 4.10                         | 0.02                          | U                            | 4.38                          |
| Benzyl alcohol                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyridine              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                    | 119.98                       | 0.62                          | 34.94                        | 0.19                          |                              | 36.71                         |
| 2,6-Dichlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene            | 55.61                        | 0.29                          | 19.87                        | 0.11                          |                              | 20.03                         |
| 1,2,4,5-Tetrachlorobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dintrobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene                 | 0.89                         | 0.005                         | U                            | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                   | 4.73                         | 0.02                          | U                            | 0.62                          | 0.003                        | 0.54                          |
| 2,4-Dinitrotoluene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 22613 - R2                   | 22787 - D1                    |                              | 22787 - R1                    |                              |                               |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                     | ENG2388.D                    | ENG2418.D                     |                              | ENG2419.D                     |                              |                               |
| Date Sampled                  | 8/29/2001                    | 9/10/2001                     |                              | 9/10/2001                     |                              |                               |
| Date Analyzed                 | 9/23/2001                    | 10/2/2001                     |                              | 10/2/2001                     |                              |                               |
|                               | Actual Vol (m <sup>3</sup> ) | 194.5                         | Actual Vol (m <sup>3</sup> ) | 185.4                         | Actual Vol (m <sup>3</sup> ) |                               |
| <b>Compound</b>               | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                  | 4.01                         | 0.02                          | U                            | 0.67                          | 0.004                        | U                             |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluorene                      | 4.08                         | 0.02                          | U                            | 0.91                          | 0.005                        | U                             |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                  | 7.31                         | 0.04                          | U                            | 2.50                          | 0.01                         | U                             |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate          | 14.09                        | 0.07                          |                              | ND                            | ND                           | ND                            |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                  | 1.15                         | 0.01                          | U                            | ND                            | ND                           | ND                            |
| Pyrene                        | 0.56                         | 0.003                         | U                            | ND                            | ND                           | ND                            |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |                              |                              |                              |
|----------------------|------------------------------|------------------------------|------------------------------|
| <b>Sample I.D.</b>   | 22788 - D2                   | 22788 - R2                   | 23037 - D1                   |
| <b>File I.D.</b>     | ENG2420.D                    | ENG2421.D                    | ENG2447.D                    |
| <b>Date Sampled</b>  | 9/10/2001                    | 9/10/2001                    | 9/22/2001                    |
| <b>Date Analyzed</b> | 10/2/2001                    | 10/2/2001                    | 10/18/2001                   |
|                      | Actual Vol (m <sup>3</sup> ) | 197.1                        | Actual Vol (m <sup>3</sup> ) |
|                      |                              |                              | 197.1                        |
|                      |                              | Actual Vol (m <sup>3</sup> ) | 260.1                        |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 4.32                   | 0.02                          | U                      | 4.78                          | 0.02                   | U                             |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | 37.32                  | 0.19                          |                        | 38.48                         | 0.20                   | 115.80                        |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 20.69                  | 0.11                          |                        | 22.22                         | 0.11                   | 65.32                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | 0.63                   | 0.003                         | U                      | 0.69                          | 0.004                  | U                             |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |                              |            |                              |
|----------------------|------------------------------|------------|------------------------------|
| <b>Sample I.D.</b>   | 22788 - D2                   | 22788 - R2 | 23037 - D1                   |
| <b>File I.D.</b>     | ENG2420.D                    | ENG2421.D  | ENG2447.D                    |
| <b>Date Sampled</b>  | 9/10/2001                    | 9/10/2001  | 9/22/2001                    |
| <b>Date Analyzed</b> | 10/2/2001                    | 10/2/2001  | 10/18/2001                   |
|                      | Actual Vol (m <sup>3</sup> ) | 197.1      | Actual Vol (m <sup>3</sup> ) |
|                      |                              | 197.1      | Actual Vol (m <sup>3</sup> ) |
|                      |                              |            | 260.1                        |

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| 2-Naphthylamine               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Dibenzofuran                  | 0.82                   | 0.004                         | U                      | 0.86                          | 0.004                  | U                             |
| Pentachlorobenzene            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1-Naphthylamine               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Diethyl phthalate             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Nitroaniline                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Fluorene                      | 0.87                   | 0.004                         | U                      | 0.98                          | 0.005                  | U                             |
| 5-Nitro-o-toluidine           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Diphenylamine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Azobenzene                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Phenacetin                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Diallate                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Bromophenyl phenyl ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Aminobiphenyl               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobenzene             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pronamide                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pentachlorophenol             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pentachloronitrobenzene       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Phenanthrene                  | 2.46                   | 0.01                          | U                      | 2.56                          | 0.01                   | U                             |
| Dinoseb                       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Anthracene                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Carbazole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Di-n-butyl phthalate          | 14.76                  | 0.07                          |                        | 14.53                         | 0.07                   |                               |
| Benzidine                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isodrin                       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Fluoranthene                  | 3.55                   | 0.02                          | U                      | 3.15                          | 0.02                   | U                             |
| Pyrene                        | ND                     | ND                            | ND                     | ND                            | 0.73                   | 0.003                         |
| 4-Dimethylaminoazobenzene     | ND                     | ND                            | ND                     | ND                            | 0.78                   | 0.003                         |
| Chlorobenzilate               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3,3'-Dimethylbenzidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Butyl benzyl phthalate        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Acetylaminofluorene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3-Methylcholanthrene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3,3'-Dichlorobenzidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Benzo(a)anthracene            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Chrysene                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Di-n-octyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Benzo(b)fluoranthene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Benzo(k)fluoranthene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Benzo(a)pyrene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Dibenz(a,h)anthracene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Benzo(g,h,i)perylene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |                              |       |                              |       |                              |       |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| <b>Sample I.D.</b>   | 23037 - R1                   |       | 23038 - D2                   |       | 23038 - R2                   |       |
| <b>File I.D.</b>     | ENG2451.D                    |       | ENG2448.D                    |       | ENG2452.D                    |       |
| <b>Date Sampled</b>  | 9/22/2001                    |       | 9/22/2001                    |       | 9/22/2001                    |       |
| <b>Date Analyzed</b> | 10/19/2001                   |       | 10/18/2001                   |       | 10/19/2001                   |       |
|                      | Actual Vol (m <sup>3</sup> ) | 260.1 | Actual Vol (m <sup>3</sup> ) | 206.0 | Actual Vol (m <sup>3</sup> ) | 207.0 |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 17.07                  | 0.07                          | 13.48                  | 0.07                          | 13.93                  | 0.07                          |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | 117.89                 | 0.45                          | 86.77                  | 0.42                          | 86.90                  | 0.42                          |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 64.17                  | 0.25                          | 45.55                  | 0.22                          | 48.13                  | 0.23                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | 1.93                   | 0.01                          | U                      | 1.34                          | 0.01                   | U                             |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 23037 - R1                   | 23038 - D2                    |                              | 23038 - R2                    |                              |                               |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                     | ENG2451.D                    | ENG2448.D                     |                              | ENG2452.D                     |                              |                               |
| Date Sampled                  | 9/22/2001                    | 9/22/2001                     |                              | 9/22/2001                     |                              |                               |
| Date Analyzed                 | 10/19/2001                   | 10/18/2001                    |                              | 10/19/2001                    |                              |                               |
|                               | Actual Vol (m <sup>3</sup> ) | 260.1                         | Actual Vol (m <sup>3</sup> ) | 206.0                         | Actual Vol (m <sup>3</sup> ) |                               |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                  | 2.25                         | 0.01                          | U                            | 1.56                          | 0.01                         | U                             |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluorene                      | 2.81                         | 0.01                          | U                            | 1.96                          | 0.01                         | U                             |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                  | 5.25                         | 0.02                          | U                            | 3.95                          | 0.02                         | U                             |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate          | ND                           | ND                            | 7.89                         | 0.04                          | U                            | 8.08                          |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                  | 0.97                         | 0.004                         | U                            | ND                            | ND                           | ND                            |
| Pyrene                        | 0.66                         | 0.003                         | U                            | ND                            | ND                           | ND                            |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                 | 23222 - D1                   | 23222 - R1              | 23223 - D2                   |                         |                              |                         |       |       |    |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|-------|-------|----|
| File I.D.                   | ENG2522.D                    | ENG2523.D               | ENG2524.D                    |                         |                              |                         |       |       |    |
| Date Sampled                | 10/4/2001                    | 10/4/2001               | 10/4/2001                    |                         |                              |                         |       |       |    |
| Date Analyzed               | 11/27/2001                   | 11/27/2001              | 11/27/2001                   |                         |                              |                         |       |       |    |
|                             | Actual Vol (m <sup>3</sup> ) | 213.6                   | Actual Vol (m <sup>3</sup> ) | 213.6                   | Actual Vol (m <sup>3</sup> ) | 250.2                   |       |       |    |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |       |       |    |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |       |    |
| 1,4-Dichlorobenzene         | 7.62                         | 0.04                    | U                            | 8.09                    | 0.04                         | U                       | 7.83  | 0.03  | U  |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Naphthalene                 | 56.85                        | 0.27                    |                              | 58.59                   | 0.27                         |                         | 59.22 | 0.24  |    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 2-Methylnaphthalene         | 31.26                        | 0.15                    |                              | 31.38                   | 0.15                         |                         | 31.87 | 0.13  |    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |
| Acenaphthene                | 0.81                         | 0.004                   | U                            | 1.24                    | 0.01                         | U                       | 1.16  | 0.005 | U  |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    | ND    | ND |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 23222 - D1                   | 23222 - R1              | 23223 - D2                   |                         |                              |                         |
|-------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                     | ENG2522.D                    | ENG2523.D               | ENG2524.D                    |                         |                              |                         |
| Date Sampled                  | 10/4/2001                    | 10/4/2001               | 10/4/2001                    |                         |                              |                         |
| Date Analyzed                 | 11/27/2001                   | 11/27/2001              | 11/27/2001                   |                         |                              |                         |
|                               | Actual Vol (m <sup>3</sup> ) | 213.6                   | Actual Vol (m <sup>3</sup> ) | 213.6                   | Actual Vol (m <sup>3</sup> ) | 250.2                   |
| Compound                      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| 2-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenzofuran                  | 1.16                         | 0.01                    | U                            | 1.42                    | 0.01                         | U                       |
| Pentachlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diethyl phthalate             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitroaniline                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluorene                      | 1.55                         | 0.01                    | U                            | 1.38                    | 0.01                         | U                       |
| 5-Nitro-o-toluidine           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diphenylamine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Azobenzene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenacetin                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diallate                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Aminobiphenyl               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pronamide                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloronitrobenzene       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenanthrene                  | 3.66                         | 0.02                    | U                            | 3.32                    | 0.02                         | U                       |
| Dinoseb                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Anthracene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Carbazole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Di-n-butyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzidine                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isodrin                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluoranthene                  | ND                           | ND                      | ND                           | ND                      | 1.58                         | 0.01                    |
| Pyrene                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Dimethylaminoazobenzene     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chlorobenzilate               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Butyl benzyl phthalate        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Acetylaminofluorene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Methylcholanthrene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)anthracene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chrysene                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Di-n-octyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(b)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(k)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)pyrene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenz(a,h)anthracene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(g,h,i)perylene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |            |  |            |  |            |
|----------------------|------------|--|------------|--|------------|
| <b>Sample I.D.</b>   | 23223 - R2 |  | 23446 - D1 |  | 23446 - R1 |
| <b>File I.D.</b>     | ENG2525.D  |  | ENG2552.D  |  | ENG2553.D  |
| <b>Date Sampled</b>  | 10/4/2001  |  | 10/16/2001 |  | 10/16/2001 |
| <b>Date Analyzed</b> | 11/27/2001 |  | 11/28/2001 |  | 11/28/2001 |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |       |       |   |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|-------|-------|---|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 1,4-Dichlorobenzene         | 8.07                   | 0.03                          | U                      | 7.12                          | 0.03                   | U                             | 7.03  | 0.03  | U |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Naphthalene                 | 61.21                  | 0.24                          |                        | 43.83                         | 0.21                   |                               | 41.83 | 0.20  |   |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2-Methylnaphthalene         | 34.12                  | 0.14                          |                        | 11.85                         | 0.06                   |                               | 11.97 | 0.06  |   |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 1,3-Dintrobenzene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Acenaphthylene              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |
| Acenaphthene                | 1.01                   | 0.004                         | U                      | 0.54                          | 0.003                  | U                             | 0.50  | 0.002 | U |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |   |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                    | 23223 - R2      | File I.D.               | ENG2525.D       | Date Sampled            | 10/4/2001       | Date Analyzed           | 11/27/2001      | Actual Vol (m <sup>3</sup> ) | 250.2 | Actual Vol (m <sup>3</sup> ) | 207.4 | Actual Vol (m <sup>3</sup> ) | 207.4 |
|--------------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| Compound                       | Final Conc (µg) | Final µg/m <sup>3</sup>      |       |                              |       |                              |       |
| 2-Naphthylamine                | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Dibenzofuran                   | 1.56            | 0.01                    | U               | 0.53                    | 0.003           | U                       | 0.71            | 0.003                        |       |                              |       |                              |       |
| Pentachlorobenzene             | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 1-Naphthylamine                | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Diethyl phthalate              | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 2,3,4,6-Tetrachlorophenol      | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 4-Nitroaniline                 | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 4-Chlorophenyl-phenyl ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Fluorene                       | 1.61            | 0.01                    | U               | 0.53                    | 0.003           | U                       | 0.57            | 0.003                        |       |                              |       |                              |       |
| 5-Nitro-o-toluidine            | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 4,6-Dinitro-2-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Diphenylamine                  | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Azobenzene                     | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Phenacetin                     | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Diallate                       | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 4-Bromophenyl phenyl ether     | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 4-Aminobiphenyl                | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Hexachlorobenzene              | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Pronamide                      | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Pentachlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Pentachloronitrobenzene        | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Phenanthrene                   | 3.72            | 0.01                    | U               | 1.51                    | 0.01            | U                       | 1.60            | 0.01                         |       |                              |       |                              |       |
| Dinoseb                        | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Anthracene                     | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Carbazole                      | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Di-n-butyl phthalate           | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Benzidine                      | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Isodrin                        | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Fluoranthene                   | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Pyrene                         | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 4-Dimethylaminoazobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Chlorobenzilate                | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 3,3'-Dimethylbenzidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Butyl benzyl phthalate         | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 2-Acetylaminofluorene          | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 3-Methylcholanthrene           | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 3,3'-Dichlorobenzidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| bis(2-Ethylhexyl)phthalate     | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Benzo(a)anthracene             | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Chrysene                       | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Di-n-octyl phthalate           | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 7,12-Dimethylbenz(a)anthracene | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Benzo(b)fluoranthene           | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Benzo(k)fluoranthene           | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Benzo(a)pyrene                 | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Indeno(1,2,3-cd)pyrene         | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Dibenz(a,h)anthracene          | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Benzo(g,h,i)perylene           | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |                              |       |                              |       |                              |       |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| <b>Sample I.D.</b>   | 23447 - D2                   |       | 23447 - R2                   |       | 23662 - D1                   |       |
| <b>File I.D.</b>     | ENG2554.D                    |       | ENG2555.D                    |       | ENG2617.D                    |       |
| <b>Date Sampled</b>  | 10/16/2001                   |       | 10/16/2001                   |       | 10/28/2001                   |       |
| <b>Date Analyzed</b> | 11/29/2001                   |       | 11/29/2001                   |       | 12/11/2001                   |       |
|                      | Actual Vol (m <sup>3</sup> ) | 216.3 | Actual Vol (m <sup>3</sup> ) | 216.3 | Actual Vol (m <sup>3</sup> ) | 174.5 |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |       |       |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|-------|-------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 1,4-Dichlorobenzene         | 9.29                   | 0.04                          | U                      | 8.66                          | 0.04                   | U                             | 18.60 | 0.11  |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Naphthalene                 | 54.44                  | 0.25                          |                        | 49.72                         | 0.23                   |                               | 48.46 | 0.28  |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2-Methylnaphthalene         | 15.20                  | 0.07                          |                        | 13.83                         | 0.06                   |                               | 23.48 | 0.13  |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Iosafrole                   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 1,3-Dintrobenzene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Acenaphthylene              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |
| Acenaphthene                | 0.73                   | 0.003                         | U                      | 0.74                          | 0.003                  | U                             | 0.58  | 0.003 |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |       |       |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 23447 - D2                   | 23447 - R2              | 23662 - D1                   |                         |                              |                         |
|-------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                     | ENG2554.D                    | ENG2555.D               | ENG2617.D                    |                         |                              |                         |
| Date Sampled                  | 10/16/2001                   | 10/16/2001              | 10/28/2001                   |                         |                              |                         |
| Date Analyzed                 | 11/29/2001                   | 11/29/2001              | 12/11/2001                   |                         |                              |                         |
|                               | Actual Vol (m <sup>3</sup> ) | 216.3                   | Actual Vol (m <sup>3</sup> ) | 216.3                   | Actual Vol (m <sup>3</sup> ) | 174.5                   |
| Compound                      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| 2-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenzofuran                  | 0.77                         | 0.004                   | U                            | 0.76                    | 0.004                        | U                       |
| Pentachlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diethyl phthalate             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitroaniline                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluorene                      | 0.70                         | 0.003                   | U                            | 0.65                    | 0.003                        | U                       |
| 5-Nitro-o-toluidine           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diphenylamine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Azobenzene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenacetin                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diallate                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Aminobiphenyl               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pronamide                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloronitrobenzene       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenanthrene                  | 1.82                         | 0.01                    | U                            | 1.70                    | 0.01                         | U                       |
| Dinoseb                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Anthracene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Carbazole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Di-n-butyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzidine                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isodrin                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluoranthene                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyrene                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Dimethylaminoazobenzene     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chlorobenzilate               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Butyl benzyl phthalate        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Acetylaminofluorene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Methylcholanthrene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)anthracene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chrysene                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Di-n-octyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(b)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(k)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)pyrene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenz(a,h)anthracene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(g,h,i)perylene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |                              |       |                              |       |                              |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|
| <b>Sample I.D.</b>   | 23662 - R1                   |       | 23663 - D2                   |       | 23663 - R2                   |
| <b>File I.D.</b>     | ENG2618.D                    |       | ENG2619.D                    |       | ENG2620.D                    |
| <b>Date Sampled</b>  | 10/28/2001                   |       | 10/28/2001                   |       | 10/28/2001                   |
| <b>Date Analyzed</b> | 12/11/2001                   |       | 12/11/2001                   |       | 12/11/2001                   |
|                      | Actual Vol (m <sup>3</sup> ) | 174.5 | Actual Vol (m <sup>3</sup> ) | 217.4 | Actual Vol (m <sup>3</sup> ) |
|                      |                              |       |                              |       | 217.4                        |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 20.71                  | 0.12                          | 18.62                  | 0.09                          | 17.97                  | 0.08                          |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | 53.16                  | 0.30                          | 45.49                  | 0.21                          | 47.86                  | 0.22                          |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 25.14                  | 0.14                          | 22.98                  | 0.11                          | 22.45                  | 0.10                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | 0.57                   | 0.003                         | U                      | 0.59                          | 0.003                  | U                             |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 23662 - R1                   | 23663 - D2                    | 23663 - R2                   |                               |                              |                               |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                     | ENG2618.D                    | ENG2619.D                     | ENG2620.D                    |                               |                              |                               |
| Date Sampled                  | 10/28/2001                   | 10/28/2001                    | 10/28/2001                   |                               |                              |                               |
| Date Analyzed                 | 12/11/2001                   | 12/11/2001                    | 12/11/2001                   |                               |                              |                               |
|                               | Actual Vol (m <sup>3</sup> ) | 174.5                         | Actual Vol (m <sup>3</sup> ) | 217.4                         | Actual Vol (m <sup>3</sup> ) | 217.4                         |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                  | 0.83                         | 0.005                         | U                            | 0.80                          | 0.004                        | U                             |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluorene                      | 0.81                         | 0.005                         | U                            | 0.59                          | 0.003                        | U                             |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                  | 1.85                         | 0.01                          | U                            | 1.36                          | 0.01                         | U                             |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate          | ND                           | ND                            | 10.22                        | 0.05                          | U                            | 11.90                         |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                 | 23936 - D1                   | 23936 - R1                    | 23937 - D2                   |                               |                              |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                   | ENG2646.D                    | ENG2647.D                     | ENG2648.D                    |                               |                              |                               |
| Date Sampled                | 11/9/2001                    | 11/9/2001                     | 11/9/2001                    |                               |                              |                               |
| Date Analyzed               | 12/13/2001                   | 12/13/2001                    | 12/13/2001                   |                               |                              |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 237.2                         | Actual Vol (m <sup>3</sup> ) | 237.2                         | Actual Vol (m <sup>3</sup> ) | 204.7                         |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 6.38                         | 0.03                          | U                            | 6.74                          | 0.03                         | U                             |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 71.05                        | 0.30                          |                              | 75.53                         | 0.32                         | 66.48                         |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 34.43                        | 0.15                          |                              | 35.19                         | 0.15                         | 31.69                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 0.61                         | 0.003                         | U                            | 0.38                          | 0.002                        | U                             |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 23936 - D1                   | 23936 - R1                    | 23937 - D2                   |                               |                              |                               |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                     | ENG2646.D                    | ENG2647.D                     | ENG2648.D                    |                               |                              |                               |
| Date Sampled                  | 11/9/2001                    | 11/9/2001                     | 11/9/2001                    |                               |                              |                               |
| Date Analyzed                 | 12/13/2001                   | 12/13/2001                    | 12/13/2001                   |                               |                              |                               |
|                               | Actual Vol (m <sup>3</sup> ) | 237.2                         | Actual Vol (m <sup>3</sup> ) | 237.2                         | Actual Vol (m <sup>3</sup> ) | 204.7                         |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                  | 0.93                         | 0.004                         | U                            | 1.07                          | 0.005                        | U                             |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluorene                      | 1.44                         | 0.01                          | U                            | 1.19                          | 0.01                         | U                             |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                  | 2.85                         | 0.01                          | U                            | 2.64                          | 0.01                         | U                             |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                 | 23937 - R2      | File I.D.               | ENG2649.D | Date Sampled                 | 11/9/2001               | Date Analyzed | 12/13/2001      | 24163 - Field Blank          | ENG2676.D  | 24164 - D1                   | ENG2677.D               |
|-----------------------------|-----------------|-------------------------|-----------|------------------------------|-------------------------|---------------|-----------------|------------------------------|------------|------------------------------|-------------------------|
|                             |                 |                         |           |                              | 11/21/2001              |               |                 |                              | 11/21/2001 |                              | 12/18/2001              |
|                             |                 |                         |           |                              |                         |               |                 |                              |            |                              |                         |
|                             |                 |                         |           | Actual Vol (m <sup>3</sup> ) | 204.7                   |               |                 | Actual Vol (m <sup>3</sup> ) |            | Actual Vol (m <sup>3</sup> ) | 227.8                   |
| Compound                    | Final Conc (μg) | Final μg/m <sup>3</sup> |           | Final Conc (μg)              | Final μg/m <sup>3</sup> |               | Final Conc (μg) | Final μg/m <sup>3</sup>      |            | Final Conc (μg)              | Final μg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Pyridine                    | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Ethyl methanesulfonate      | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2-Picoline                  | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Methyl methanesulfonate     | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Phenol                      | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Pentachloroethane           | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Aniline                     | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2-Chlorophenol              | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 6.38            | 0.03                    | U         | ND                           | ND                      |               | ND              | ND                           | 7.94       | 0.03                         | U                       |
| Benzyl alcohol              | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2-Methylphenol              | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 3&4-Methylphenol            | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| o-Toluidine                 | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Hexachloroethane            | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Acetophenone                | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Nitrobenzene                | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| N-Nitrosopiperidine         | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Isophorone                  | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2-Nitrophenol               | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 4-Chloroaniline             | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Naphthalene                 | 66.88           | 0.33                    |           | ND                           | ND                      |               | ND              | ND                           | 54.72      | 0.24                         |                         |
| 2,6-Dichlorophenol          | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Hexachloropropene           | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Hexachlorobutadiene         | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Safrole                     | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2-Methylnaphthalene         | 31.64           | 0.15                    |           | ND                           | ND                      |               | ND              | ND                           | 25.72      | 0.11                         |                         |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2-Nitroaniline              | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Isosafrole                  | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2-Chloronaphthalene         | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Dimethyl phthalate          | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 3-Nitroaniline              | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Acenaphthylene              | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 2,4-Dinitrophenol           | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| 4-Nitrophenol               | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |
| Acenaphthene                | 0.54            | 0.00                    | U         | ND                           | ND                      |               | ND              | ND                           | 0.67       | 0.003                        | U                       |
| 2,4-Dinitrotoluene          | ND              | ND                      |           | ND                           | ND                      |               | ND              | ND                           |            | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)

## 2001 Final Data Report

|                      |                              |       |                              |  |                              |
|----------------------|------------------------------|-------|------------------------------|--|------------------------------|
| <b>Sample I.D.</b>   | 23937 - R2                   |       | 24163 - Field Blank          |  | 24164 - D1                   |
| <b>File I.D.</b>     | ENG2649.D                    |       | ENG2676.D                    |  | ENG2677.D                    |
| <b>Date Sampled</b>  | 11/9/2001                    |       | 11/21/2001                   |  | 11/21/2001                   |
| <b>Date Analyzed</b> | 12/13/2001                   |       | 12/18/2001                   |  | 12/18/2001                   |
|                      | Actual Vol (m <sup>3</sup> ) | 204.7 | Actual Vol (m <sup>3</sup> ) |  | Actual Vol (m <sup>3</sup> ) |
|                      |                              |       |                              |  | 227.8                        |

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-------------------------------|------------------------|-------------------------------|---|------------------------|-------------------------------|------------------------|-------------------------------|
| 2-Naphthylamine               | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Dibenzofuran                  | 0.78                   | 0.004                         | U | ND                     | ND                            | 0.96                   | 0.004                         |
| Pentachlorobenzene            | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 1-Naphthylamine               | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Diethyl phthalate             | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 4-Nitroaniline                | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Fluorene                      | 1.15                   | 0.01                          | U | ND                     | ND                            | 0.99                   | 0.004                         |
| 5-Nitro-o-toluidine           | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Diphenylamine                 | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Azobenzene                    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Phenacetin                    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Diallate                      | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 4-Bromophenyl phenyl ether    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 4-Aminobiphenyl               | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobenzene             | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Pronamide                     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Pentachlorophenol             | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Pentachloronitrobenzene       | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Phenanthrene                  | 2.26                   | 0.01                          | U | ND                     | ND                            | 2.10                   | 0.01                          |
| Dinoseb                       | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Anthracene                    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Carbazole                     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Di-n-butyl phthalate          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Benzidine                     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Isodrin                       | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Fluoranthene                  | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Pyrene                        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 4-Dimethylaminoazobenzene     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Chlorobenzilate               | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 3,3'-Dimethylbenzidine        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Butyl benzyl phthalate        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 2-Acetylaminofluorene         | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 3-Methylcholanthrene          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 3,3'-Dichlorobenzidine        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Benzo(a)anthracene            | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Chrysene                      | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Di-n-octyl phthalate          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Benzo(b)fluoranthene          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Benzo(k)fluoranthene          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Benzo(a)pyrene                | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Dibenz(a,h)anthracene         | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Benzo(g,h,i)perylene          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                 | 24164 - R1                   | 24165 - D2                   | 24165 - R2                   |                         |                 |                         |
|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------|-----------------|-------------------------|
| File I.D.                   | ENG2678.D                    | ENG2679.D                    | ENG2680.D                    |                         |                 |                         |
| Date Sampled                | 11/21/2001                   | 11/21/2001                   | 11/21/2001                   |                         |                 |                         |
| Date Analyzed               | 12/18/2001                   | 12/18/2001                   | 12/18/2001                   |                         |                 |                         |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) |                         |                 |                         |
|                             | 227.8                        | 212.8                        | 212.8                        |                         |                 |                         |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup>      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Pyridine                    | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Picoline                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Phenol                      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Pentachloroethane           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Aniline                     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 7.70                         | 0.03                         | U                            | 7.81                    | 0.04            | U                       |
| Benzyl alcohol              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| o-Toluidine                 | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachloroethane            | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Acetophenone                | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Nitrobenzene                | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Isophorone                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Naphthalene                 | 53.72                        | 0.24                         |                              | 53.99                   | 0.25            |                         |
| 2,6-Dichlorophenol          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachloropropene           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Safrole                     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 25.70                        | 0.11                         |                              | 26.59                   | 0.12            |                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Isosafrole                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,3-Dinitrobenzene          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Acenaphthylene              | 1.05                         | 0.005                        | U                            | 0.94                    | 0.004           | U                       |
| 2,4-Dinitrophenol           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Acenaphthene                | 0.72                         | 0.003                        | U                            | 0.77                    | 0.004           | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)

## 2001 Final Data Report

| Sample I.D.                   | 24164 - R1                   | 24165 - D2                    |                              | 24165 - R2                    |                               |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| File I.D.                     | ENG2678.D                    | ENG2679.D                     |                              | ENG2680.D                     |                               |
| Date Sampled                  | 11/21/2001                   | 11/21/2001                    |                              | 11/21/2001                    |                               |
| Date Analyzed                 | 12/18/2001                   | 12/18/2001                    |                              | 12/18/2001                    |                               |
|                               | Actual Vol (m <sup>3</sup> ) | 227.8                         | Actual Vol (m <sup>3</sup> ) | 212.8                         | Actual Vol (m <sup>3</sup> )  |
| <u>Compound</u>               | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>        |
|                               |                              |                               |                              |                               | <u>Final µg/m<sup>3</sup></u> |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenzofuran                  | 1.02                         | 0.004                         | U                            | 0.95                          | 0.004                         |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluorene                      | 0.82                         | 0.004                         | U                            | 0.95                          | 0.004                         |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenanthrene                  | 2.01                         | 0.01                          | U                            | 2.09                          | 0.01                          |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Di-n-butyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>          | 24382                        | 24383 - D2                    | 24383 - R2             |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------|-------------------------------|
| <b>File I.D.</b>            | VOID                         | ENG2739.D                     | ENG2740.D              |                               |
| <b>Date Sampled</b>         | 12/3/2001                    | 12/3/2001                     | 12/3/2001              |                               |
| <b>Date Analyzed</b>        | VOID                         | 1/15/2002                     | 1/15/2002              |                               |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  | 182.1                  | Actual Vol (m <sup>3</sup> )  |
|                             |                              |                               |                        | 182.1                         |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      |                              | ND                            | ND                     | ND                            |
| Pyridine                    |                              | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      |                              | ND                            | ND                     | ND                            |
| 2-Picoline                  |                              | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   |                              | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     |                              | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       |                              | ND                            | ND                     | ND                            |
| Phenol                      | 15.02                        | 0.08                          | U                      | 15.54                         |
| Pentachloroethane           |                              | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    |                              | ND                            | ND                     | ND                            |
| Aniline                     |                              | ND                            | ND                     | ND                            |
| 2-Chlorophenol              |                              | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         |                              | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 9.04                         | 0.05                          | U                      | 9.69                          |
| Benzyl alcohol              |                              | ND                            | ND                     | ND                            |
| 2-Methylphenol              |                              | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         |                              | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether |                              | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            |                              | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        |                              | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      |                              | ND                            | ND                     | ND                            |
| o-Toluidine                 |                              | ND                            | ND                     | ND                            |
| Hexachloroethane            |                              | ND                            | ND                     | ND                            |
| Acetophenone                |                              | ND                            | ND                     | ND                            |
| Nitrobenzene                |                              | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         |                              | ND                            | ND                     | ND                            |
| Isophorone                  |                              | ND                            | ND                     | ND                            |
| 2-Nitrophenol               |                              | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          |                              | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  |                              | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          |                              | ND                            | ND                     | ND                            |
| 4-Chloroaniline             |                              | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      |                              | ND                            | ND                     | ND                            |
| Naphthalene                 | 67.59                        | 0.37                          |                        | 66.22                         |
| 2,6-Dichlorophenol          |                              | ND                            | ND                     | ND                            |
| Hexachloropropene           |                              | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         |                              | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       |                              | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     |                              | ND                            | ND                     | ND                            |
| Safrole                     |                              | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 34.98                        | 0.19                          |                        | 35.42                         |
| 1,2,4,5-Tetrachlorobenzene  |                              | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       |                              | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   |                              | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       |                              | ND                            | ND                     | ND                            |
| 2-Nitroaniline              |                              | ND                            | ND                     | ND                            |
| Isosafrole                  |                              | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         |                              | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          |                              | ND                            | ND                     | ND                            |
| Dimethyl phthalate          |                              | ND                            | ND                     | ND                            |
| 1,3-Dinitrobenzene          |                              | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          |                              | ND                            | ND                     | ND                            |
| 3-Nitroaniline              |                              | ND                            | ND                     | ND                            |
| Acenaphthylene              | 1.24                         | 0.01                          | U                      | 1.20                          |
| 2,4-Dinitrophenol           |                              | ND                            | ND                     | ND                            |
| 4-Nitrophenol               |                              | ND                            | ND                     | ND                            |
| Acenaphthene                | 0.74                         | 0.004                         | U                      | 0.83                          |
| 2,4-Dinitrotoluene          |                              | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 24382                        | 24383 - D2                   | 24383 - R2      |                              |
|-------------------------------|------------------------------|------------------------------|-----------------|------------------------------|
| File I.D.                     | VOID                         | ENG2739.D                    | ENG2740.D       |                              |
| Date Sampled                  | 12/3/2001                    | 12/3/2001                    | 12/3/2001       |                              |
| Date Analyzed                 | VOID                         | 1/15/2002                    | 1/15/2002       |                              |
|                               | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | 182.1           | Actual Vol (m <sup>3</sup> ) |
|                               |                              |                              |                 | 182.1                        |
| Compound                      | Final Conc (µg)              | Final µg/m <sup>3</sup>      | Final Conc (µg) | Final µg/m <sup>3</sup>      |
| 2-Naphthylamine               |                              | ND                           | ND              | ND                           |
| Dibenzofuran                  |                              | 1.35                         | 0.01            | U                            |
| Pentachlorobenzene            |                              | ND                           | ND              | ND                           |
| 1-Naphthylamine               |                              | ND                           | ND              | ND                           |
| Diethyl phthalate             |                              | ND                           | ND              | ND                           |
| 2,3,4,6-Tetrachlorophenol     |                              | ND                           | ND              | ND                           |
| 4-Nitroaniline                |                              | ND                           | ND              | ND                           |
| 4-Chlorophenyl-phenyl ether   |                              | ND                           | ND              | ND                           |
| Fluorene                      |                              | 1.39                         | 0.01            | U                            |
| 5-Nitro-o-toluidine           |                              | ND                           | ND              | ND                           |
| 4,6-Dinitro-2-methylphenol    |                              | ND                           | ND              | ND                           |
| Diphenylamine                 |                              | ND                           | ND              | ND                           |
| Azobenzene                    |                              | ND                           | ND              | ND                           |
| Phenacetin                    |                              | ND                           | ND              | ND                           |
| Diallate                      |                              | ND                           | ND              | ND                           |
| 4-Bromophenyl phenyl ether    |                              | ND                           | ND              | ND                           |
| 4-Aminobiphenyl               |                              | ND                           | ND              | ND                           |
| Hexachlorobenzene             |                              | ND                           | ND              | ND                           |
| Pronamide                     |                              | ND                           | ND              | ND                           |
| Pentachlorophenol             |                              | ND                           | ND              | ND                           |
| Pentachloronitrobenzene       |                              | ND                           | ND              | ND                           |
| Phenanthrene                  | 2.53                         | 0.01                         | U               | 2.67                         |
| Dinoseb                       |                              | ND                           | ND              | ND                           |
| Anthracene                    |                              | ND                           | ND              | ND                           |
| Carbazole                     |                              | ND                           | ND              | ND                           |
| Di-n-butyl phthalate          |                              | ND                           | ND              | ND                           |
| Benzidine                     |                              | ND                           | ND              | ND                           |
| Isodrin                       |                              | ND                           | ND              | ND                           |
| Fluoranthene                  |                              | ND                           | ND              | ND                           |
| Pyrene                        |                              | ND                           | ND              | ND                           |
| 4-Dimethylaminoazobenzene     |                              | ND                           | ND              | ND                           |
| Chlorobenzilate               |                              | ND                           | ND              | ND                           |
| 3,3'-Dimethylbenzidine        |                              | ND                           | ND              | ND                           |
| Butyl benzyl phthalate        |                              | ND                           | ND              | ND                           |
| 2-Acetylaminofluorene         |                              | ND                           | ND              | ND                           |
| 3-Methylcholanthrene          |                              | ND                           | ND              | ND                           |
| 3,3'-Dichlorobenzidine        |                              | ND                           | ND              | ND                           |
| bis(2-Ethylhexyl)phthalate    |                              | ND                           | ND              | ND                           |
| Benzo(a)anthracene            |                              | ND                           | ND              | ND                           |
| Chrysene                      |                              | ND                           | ND              | ND                           |
| Di-n-octyl phthalate          |                              | ND                           | ND              | ND                           |
| 7,12-Dimethylbenz(a)anthracen |                              | ND                           | ND              | ND                           |
| Benzo(b)fluoranthene          |                              | ND                           | ND              | ND                           |
| Benzo(k)fluoranthene          |                              | ND                           | ND              | ND                           |
| Benzo(a)pyrene                |                              | ND                           | ND              | ND                           |
| Indeno(1,2,3-cd)pyrene        |                              | ND                           | ND              | ND                           |
| Dibenz(a,h)anthracene         |                              | ND                           | ND              | ND                           |
| Benzo(g,h,i)perylene          |                              | ND                           | ND              | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                 | 24636 - D1                   | 24636 - R1                    | 24637 - D2                   |                               |                              |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                   | ENG2772.D                    | ENG2773.D                     | ENG2774.D                    |                               |                              |                               |
| Date Sampled                | 12/15/2001                   | 12/15/2001                    | 12/15/2001                   |                               |                              |                               |
| Date Analyzed               | 1/16/2002                    | 1/16/2002                     | 1/16/2002                    |                               |                              |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 216.9                         | Actual Vol (m <sup>3</sup> ) | 216.9                         | Actual Vol (m <sup>3</sup> ) | 189.7                         |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | 17.81                        | 0.08                          | U                            | 17.47                         | 0.08                         | U                             |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 14.65                        | 0.07                          |                              | 15.80                         | 0.07                         | 12.95                         |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | 4.01                         | 0.02                          | U                            | 4.93                          | 0.02                         | U                             |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 81.15                        | 0.37                          |                              | 82.68                         | 0.38                         | 71.14                         |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 37.84                        | 0.17                          |                              | 43.04                         | 0.20                         | 35.95                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | 1.82                         | 0.01                          | U                            | 1.73                          | 0.01                         | U                             |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 0.65                         | 0.003                         | U                            | 0.80                          | 0.004                        | U                             |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 24636 - D1                   | 24636 - R1              |                              | 24637 - D2              |                              |      |
|-------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|------|
| File I.D.                     | ENG2772.D                    | ENG2773.D               |                              | ENG2774.D               |                              |      |
| Date Sampled                  | 12/15/2001                   | 12/15/2001              |                              | 12/15/2001              |                              |      |
| Date Analyzed                 | 1/16/2002                    | 1/16/2002               |                              | 1/16/2002               |                              |      |
|                               | Actual Vol (m <sup>3</sup> ) | 216.9                   | Actual Vol (m <sup>3</sup> ) | 216.9                   | Actual Vol (m <sup>3</sup> ) |      |
| Compound                      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |      |
|                               |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |      |
| 2-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Dibenzofuran                  | 1.34                         | 0.01                    | U                            | 1.14                    | 0.01                         | U    |
| Pentachlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 1-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Diethyl phthalate             | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 4-Nitroaniline                | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Fluorene                      | 1.34                         | 0.01                    | U                            | 1.46                    | 0.01                         | U    |
| 5-Nitro-o-toluidine           | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Diphenylamine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Azobenzene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Phenacetin                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Diallate                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 4-Bromophenyl phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 4-Aminobiphenyl               | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Hexachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Pronamide                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Pentachlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Pentachloronitrobenzene       | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Phenanthrene                  | 3.27                         | 0.02                    | U                            | 3.13                    | 0.01                         | U    |
| Dinoseb                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Anthracene                    | ND                           | ND                      | 0.30                         | 0.001                   | U                            | ND   |
| Carbazole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Di-n-butyl phthalate          | ND                           | ND                      | ND                           | ND                      | 9.62                         | 0.05 |
| Benzidine                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Isodrin                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Fluoranthene                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Pyrene                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 4-Dimethylaminoazobenzene     | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Chlorobenzilate               | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 3,3'-Dimethylbenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Butyl benzyl phthalate        | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2-Acetylaminofluorene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 3-Methylcholanthrene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 3,3'-Dichlorobenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Benzo(a)anthracene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Chrysene                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Di-n-octyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Benzo(b)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Benzo(k)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Benzo(a)pyrene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Dibenz(a,h)anthracene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Benzo(g,h,i)perylene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

|                      |                              |       |                              |       |                              |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|
| <b>Sample I.D.</b>   | 24637 - R2                   |       | 24964 - D1                   |       | 24964 - R1                   |
| <b>File I.D.</b>     | ENG2775.D                    |       | ENG2799.D                    |       | ENG2800.D                    |
| <b>Date Sampled</b>  | 12/15/2001                   |       | 12/27/2001                   |       | 12/27/2001                   |
| <b>Date Analyzed</b> | 1/16/2002                    |       | 1/17/2002                    |       | 1/17/2002                    |
|                      | Actual Vol (m <sup>3</sup> ) | 189.7 | Actual Vol (m <sup>3</sup> ) | 282.6 | Actual Vol (m <sup>3</sup> ) |
|                      |                              |       |                              |       | 282.6                        |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 13.65                  | 0.07                          | 4.15                   | 0.01                          | U                      | 4.04                          |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | 68.18                  | 0.36                          | 34.89                  | 0.12                          | 34.86                  | 0.12                          |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 34.54                  | 0.18                          | 17.27                  | 0.06                          | 16.91                  | 0.06                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dinitrobenzene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | 1.58                   | 0.01                          | U                      | ND                            | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | 0.66                   | 0.003                         | U                      | 0.19                          | 0.001                  | U                             |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)**  
**2001 Final Data Report**

| Sample I.D.                   | 24637 - R2      | File I.D.               | ENG2775.D       | Date Sampled            | 12/15/2001      | Date Analyzed           | 1/16/2002       | Actual Vol (m <sup>3</sup> ) | 189.7 | Actual Vol (m <sup>3</sup> ) | 282.6 | Actual Vol (m <sup>3</sup> ) | 282.6 |
|-------------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| Compound                      | Final Conc (µg) | Final µg/m <sup>3</sup>      |       |                              |       |                              |       |
| 2-Naphthylamine               | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Dibenzofuran                  | 1.19            | 0.01                    | U               | 0.80                    | 0.003           | U                       | 0.65            | 0.002                        |       |                              |       |                              |       |
| Pentachlorobenzene            | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 1-Naphthylamine               | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Diethyl phthalate             | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 2,3,4,6-Tetrachlorophenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 4-Nitroaniline                | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 4-Chlorophenyl-phenyl ether   | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Fluorene                      | 1.12            | 0.01                    | U               | 0.67                    | 0.002           | U                       | 0.52            | 0.002                        |       |                              |       |                              |       |
| 5-Nitro-o-toluidine           | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 4,6-Dinitro-2-methylphenol    | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Diphenylamine                 | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Azobenzene                    | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Phenacetin                    | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Diallate                      | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 4-Bromophenyl phenyl ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 4-Aminobiphenyl               | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Hexachlorobenzene             | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Pronamide                     | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Pentachlorophenol             | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Pentachloronitrobenzene       | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Phenanthrene                  | 2.79            | 0.01                    | U               | 2.01                    | 0.01            | U                       | 1.72            | 0.01                         |       |                              |       |                              |       |
| Dinoseb                       | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Anthracene                    | 0.14            | 0.001                   | U               | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Carbazole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Di-n-butyl phthalate          | 9.98            | 0.05                    | U               | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Benzidine                     | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Isodrin                       | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Fluoranthene                  | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Pyrene                        | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 4-Dimethylaminoazobenzene     | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Chlorobenzilate               | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 3,3'-Dimethylbenzidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Butyl benzyl phthalate        | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 2-Acetylaminofluorene         | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 3-Methylcholanthrene          | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 3,3'-Dichlorobenzidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| bis(2-Ethylhexyl)phthalate    | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Benzo(a)anthracene            | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Chrysene                      | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Di-n-octyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| 7,12-Dimethylbenz(a)anthracen | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Benzo(b)fluoranthene          | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Benzo(k)fluoranthene          | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Benzo(a)pyrene                | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Indeno(1,2,3-cd)pyrene        | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Dibenz(a,h)anthracene         | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |
| Benzo(g,h,i)perylene          | ND              | ND                      | ND              | ND                      | ND              | ND                      | ND              | ND                           |       |                              |       |                              |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 24961 - D2                   |                               | 24961 - R2                   |                               |      |   |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|---|
| <b>File I.D.</b>            | ENG2801.D                    |                               | ENG2802.D                    |                               |      |   |
| <b>Date Sampled</b>         | 12/27/2001                   |                               | 12/27/2001                   |                               |      |   |
| <b>Date Analyzed</b>        | 1/17/2002                    |                               | 1/17/2002                    |                               |      |   |
|                             | Actual Vol (m <sup>3</sup> ) | 242.1                         | Actual Vol (m <sup>3</sup> ) | 242.1                         |      |   |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |   |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            |      |   |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            |      |   |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            |      |   |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            |      |   |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            |      |   |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            |      |   |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            |      |   |
| Phenol                      | ND                           | ND                            | ND                           | ND                            |      |   |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            |      |   |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            |      |   |
| Aniline                     | ND                           | ND                            | ND                           | ND                            |      |   |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            |      |   |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            |      |   |
| 1,4-Dichlorobenzene         | 2.53                         | 0.01                          | U                            | 3.27                          | 0.01 | U |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            |      |   |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            |      |   |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            |      |   |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            |      |   |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            |      |   |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            |      |   |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            |      |   |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            |      |   |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            |      |   |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            |      |   |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            |      |   |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            |      |   |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            |      |   |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            |      |   |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            |      |   |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            |      |   |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |      |   |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            |      |   |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            |      |   |
| Naphthalene                 | 25.00                        | 0.10                          |                              | 24.71                         | 0.10 |   |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |      |   |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            |      |   |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            |      |   |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            |      |   |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            |      |   |
| Safrole                     | ND                           | ND                            | ND                           | ND                            |      |   |
| 2-Methylnaphthalene         | 11.86                        | 0.05                          |                              | 12.28                         | 0.05 |   |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            |      |   |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            |      |   |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            |      |   |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            |      |   |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            |      |   |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            |      |   |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            |      |   |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            |      |   |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            |      |   |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            |      |   |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            |      |   |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            |      |   |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            |      |   |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            |      |   |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            |      |   |
| Acenaphthene                | ND                           | ND                            | ND                           | ND                            |      |   |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            |      |   |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 24961 - D2                   |                               | 24961 - R2                   |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>               | ENG2801.D                    |                               | ENG2802.D                    |                               |
| <b>Date Sampled</b>            | 12/27/2001                   |                               | 12/27/2001                   |                               |
| <b>Date Analyzed</b>           | 1/17/2002                    |                               | 1/17/2002                    |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 242.1                         | Actual Vol (m <sup>3</sup> ) | 242.1                         |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                   | 0.59                         | 0.002                         | U                            | 0.002                         |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            |
| Fluorene                       | 0.47                         | 0.002                         | U                            | 0.002                         |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            |
| Diallate                       | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                   | 1.46                         | 0.01                          | U                            | 0.01                          |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Camden, NJ (CANJ)**  
**2001 Final Data Report**

| Sample I.D.                 | 21271           | File I.D.               | VOID            | Date Sampled            | 6/30/2001       | Date Analyzed           |  | Actual Vol (m <sup>3</sup> ) | 0.0 | Actual Vol (m <sup>3</sup> ) | 210.8 | Actual Vol (m <sup>3</sup> ) | 198.2 |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|--|------------------------------|-----|------------------------------|-------|------------------------------|-------|
| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |  |                              |     |                              |       |                              |       |
| N-Nitrosodimethylamine      |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Pyridine                    |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Ethyl methanesulfonate      |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2-Picoline                  |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| N-Nitrosomethylethylamine   |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Methyl methanesulfonate     |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| N-Nitrosodiethylamine       |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Phenol                      |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Pentachloroethane           |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| bis (2-Chloroethyl)ether    |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Aniline                     |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2-Chlorophenol              |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 1,3-Dichlorobenzene         |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 1,4-Dichlorobenzene         | 88.85           | 0.42                    |                 |                         | 79.36           | 0.40                    |  |                              |     |                              |       |                              |       |
| Benzyl alcohol              |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2-Methylphenol              |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 1,2-Dichlorobenzene         |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| bis(2-Chloroisopropyl)ether |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 3&4-Methylphenol            |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| N-Nitrosopyrrolidine        |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| N-Nitrosodipropylamine      |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| o-Toluidine                 |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Hexachloroethane            |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Acetophenone                |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Nitrobenzene                |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| N-Nitrosopiperidine         |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Isophorone                  |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2-Nitrophenol               |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2,4-Dimethylphenol          |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| bis(2-Chloroethoxy)methane  |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2,4-Dichlorophenol          |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 4-Chloroaniline             |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 1,2,4-Trichlorobenzene      |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Naphthalene                 | 60.70           | 0.29                    |                 |                         | 52.33           | 0.26                    |  |                              |     |                              |       |                              |       |
| 2,6-Dichlorophenol          |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Hexachloropropene           |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Hexachlorobutadiene         |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| N-Nitrosodibutylamine       |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 4-Chloro-3-methylphenol     |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Safrole                     |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2-Methylnaphthalene         |                 |                         | ND              | ND                      | 11.83           | 0.06                    |  |                              |     |                              |       |                              |       |
| 1,2,4,5-Tetrachlorobenzene  |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2,4,6-Trichlorophenol       |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Hexachlorocyclopentadiene   |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2,4,5-Trichlorophenol       |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2-Nitroaniline              |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Isosafrole                  |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2-Chloronaphthalene         |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 1,4-Naphthoquinone          |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Dimethyl phthalate          | 25.27           | 0.12                    |                 |                         | 20.90           | 0.11                    |  |                              |     |                              |       |                              |       |
| 1,3-Dintrobenzene           |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2,6-Dinitrotoluene          |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 3-Nitroaniline              |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Acenaphthylene              |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 2,4-Dinitrophenol           |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| 4-Nitrophenol               |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |
| Acenaphthene                | 3.13            | 0.015                   | U               |                         | 2.43            | 0.01                    |  |                              |     |                              |       |                              |       |
| 2,4-Dinitrotoluene          |                 |                         | ND              | ND                      | ND              | ND                      |  |                              |     |                              |       |                              |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 21271                        | <b>Sample I.D.</b>            | 21310                        | <b>Sample I.D.</b>            | 21524                        |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>               | VOID                         | <b>File I.D.</b>              | ENG2239.D                    | <b>File I.D.</b>              | ENG2283.D                    |                               |
| <b>Date Sampled</b>            | 6/30/2001                    | <b>Date Sampled</b>           | 7/6/2001                     | <b>Date Sampled</b>           | 7/12/2001                    |                               |
| <b>Date Analyzed</b>           |                              | <b>Date Analyzed</b>          | 8/3/2001                     | <b>Date Analyzed</b>          | 8/17/2001                    |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 0.0                           | Actual Vol (m <sup>3</sup> ) | 210.8                         | Actual Vol (m <sup>3</sup> ) | 198.2                         |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine                |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                   |                              |                               | 3.69                         | 0.02                          | U                            | 2.85                          |
| Pentachlorobenzene             |                              |                               | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine                |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate              |                              |                               | ND                           | ND                            | 14.42                        | 0.07                          |
| 2,3,4,6-Tetrachlorophenol      |                              |                               | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                 |                              |                               | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether    |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Fluorene                       |                              | 2.58                          | 0.01                         | U                             | 2.28                         | 0.01                          |
| 5-Nitro-o-toluidine            |                              |                               | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol     |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                  |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                     |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                     |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Diallate                       |                              |                               | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether     |                              |                               | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl                |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene              |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Pronamide                      |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol              |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene        |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                   | 6.94                         | 0.03                          | U                            | 5.59                          | 0.03                         | U                             |
| Dinoseb                        |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Anthracene                     |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Carbazole                      |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate           | 20.24                        | 0.10                          |                              | 21.17                         | 0.11                         |                               |
| Benzidine                      |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Isodrin                        |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                   |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Pyrene                         |                              |                               | ND                           | ND                            | ND                           | ND                            |
| 4-Dimethylaminoazobenzene      |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate                |                              |                               | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine         |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate         |                              |                               | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene          |                              |                               | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene           |                              |                               | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine         |                              |                               | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate     |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene             |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Chrysene                       |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate           |                              |                               | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracene |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene           |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene           |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                 |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene         |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene          |                              |                               | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene           |                              |                               | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Camden, NJ (CANJ)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>          | 21629                        | 21747                         |                              | 21916                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2292.D                    | ENG2297.D                     |                              | ENG2310.D                     |                              |
| <b>Date Sampled</b>         | 7/18/2001                    | 7/24/2001                     |                              | 7/30/2001                     |                              |
| <b>Date Analyzed</b>        | 8/18/2001                    | 8/18/2001                     |                              | 8/21/2001                     |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 219.8                         | Actual Vol (m <sup>3</sup> ) | 172.4                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | 14.42                        | 0.08                          | U                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 15.64                        | 0.07                          | 19.66                        | 0.11                          | 32.19                        |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 40.20                        | 0.18                          | 23.31                        | 0.14                          | 38.95                        |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 10.14                        | 0.05                          | U                            | 9.05                          | 0.05                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | 23.04                        | 0.10                          | 25.25                        | 0.15                          | 15.35                        |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 2.79                         | 0.01                          | U                            | ND                            | ND                           |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 21629                        | 21747                         |                              |                               | 21916                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2292.D                    | ENG2297.D                     |                              |                               | ENG2310.D                    |                               |      |
| <b>Date Sampled</b>            | 7/18/2001                    | 7/24/2001                     |                              |                               | 7/30/2001                    |                               |      |
| <b>Date Analyzed</b>           | 8/18/2001                    | 8/18/2001                     |                              |                               | 8/21/2001                    |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 219.8                         | Actual Vol (m <sup>3</sup> ) | 172.4                         | Actual Vol (m <sup>3</sup> ) | 218.2                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 3.86                         | 0.02                          | U                            | ND                            | 2.97                         | 0.01                          | U    |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | 15.79                        | 0.07                          |                              | 21.98                         | 0.13                         | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 3.38                         | 0.02                          | U                            | ND                            | ND                           | 2.48                          | 0.01 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 5.92                         | 0.03                          | U                            | 6.50                          | 0.04                         | U                             | 5.37 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | 28.22                        | 0.13                          |                              | 37.19                         | 0.22                         | 25.25                         | 0.12 |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | 6.04                         | 0.03                          | U                            | ND                            | ND                           | 2.15                          | 0.01 |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | 1.06                         | 0.01                          | U                            | 2.49                          | 0.01 |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Camden, NJ (CANJ)**  
**2001 Final Data Report**

| Sample I.D.                 | 22023                        | 22093                         |                              | 22301                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| File I.D.                   | ENG2331.D                    | ENG2343.D                     |                              | ENG2355.D                     |                              |
| Date Sampled                | 8/5/2001                     | 8/11/2001                     |                              | 8/17/2001                     |                              |
| Date Analyzed               | 8/22/2001                    | 9/20/2001                     |                              | 9/21/2001                     |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 175.5                         | Actual Vol (m <sup>3</sup> ) | 175.8                         | Actual Vol (m <sup>3</sup> ) |
| <u>Compound</u>             | <u>Final Conc (ug)</u>       | <u>Final ug/m<sup>3</sup></u> | <u>Final Conc (ug)</u>       | <u>Final ug/m<sup>3</sup></u> | <u>Final Conc (ug)</u>       |
|                             |                              |                               |                              |                               |                              |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 52.29                        | 0.30                          | 75.64                        | 0.43                          | 28.99                        |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 47.15                        | 0.27                          | 62.85                        | 0.36                          | 23.50                        |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 11.94                        | 0.07                          | 20.44                        | 0.12                          | 10.96                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | 1.53                         | 0.01                          | U                            | 11.73                         | 0.07                         |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 3.02                         | 0.02                          | U                            | 4.23                          | 0.02                         |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 22023                        | 22093                         |                              |                               | 22301                        |                               |       |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>               | ENG2331.D                    | ENG2343.D                     |                              |                               | ENG2355.D                    |                               |       |
| <b>Date Sampled</b>            | 8/5/2001                     | 8/11/2001                     |                              |                               | 8/17/2001                    |                               |       |
| <b>Date Analyzed</b>           | 8/22/2001                    | 9/20/2001                     |                              |                               | 9/21/2001                    |                               |       |
|                                | Actual Vol (m <sup>3</sup> ) | 175.5                         | Actual Vol (m <sup>3</sup> ) | 175.8                         | Actual Vol (m <sup>3</sup> ) | 181.8                         |       |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                   | 3.92                         | 0.02                          | U                            | 5.14                          | 0.03                         | U                             | 2.58  |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate              | 69.73                        | 0.40                          |                              | 57.16                         | 0.33                         |                               | 2.77  |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                       | 3.14                         | 0.02                          | U                            | 4.00                          | 0.02                         | U                             | 1.79  |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                   | 7.40                         | 0.04                          | U                            | 10.72                         | 0.06                         |                               | 5.05  |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate           | 29.06                        | 0.17                          |                              | 22.59                         | 0.13                         |                               | 25.19 |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                   | 0.79                         | 0.005                         | U                            | 1.24                          | 0.01                         | U                             | 0.54  |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate     | 2.67                         | 0.02                          | U                            | ND                            | ND                           | ND                            | ND    |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Camden, NJ (CANJ)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>          | 22455                        | 22567                         |                              | 22703                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2373.D                    | ENG2375.D                     |                              | ENG2403.D                     |                              |
| <b>Date Sampled</b>         | 8/23/2001                    | 8/29/2001                     |                              | 9/4/2001                      |                              |
| <b>Date Analyzed</b>        | 9/22/2001                    | 9/22/2001                     |                              | 10/1/2001                     |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 177.1                         | Actual Vol (m <sup>3</sup> ) | 216.2                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 57.18                        | 0.32                          | 62.60                        | 0.29                          | 45.62                        |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 44.68                        | 0.25                          | 51.12                        | 0.24                          | 32.71                        |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 19.30                        | 0.11                          | 18.68                        | 0.09                          | 14.70                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | 9.00                         | 0.05                          | U                            | 9.50                          | 0.04                         |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 2.74                         | 0.02                          | U                            | 3.16                          | 0.01                         |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| U - Under Dectection Limit  |                              |                               |                              |                               |                              |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 22455                        | 22567                         |                              |                               | 22703                        |                               |       |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>               | ENG2373.D                    | ENG2375.D                     |                              |                               | ENG2403.D                    |                               |       |
| <b>Date Sampled</b>            | 8/23/2001                    | 8/29/2001                     |                              |                               | 9/4/2001                     |                               |       |
| <b>Date Analyzed</b>           | 9/22/2001                    | 9/22/2001                     |                              |                               | 10/1/2001                    |                               |       |
|                                | Actual Vol (m <sup>3</sup> ) | 177.1                         | Actual Vol (m <sup>3</sup> ) | 216.2                         | Actual Vol (m <sup>3</sup> ) | 169.9                         |       |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                   | 3.67                         | 0.02                          | U                            | 4.57                          | 0.02                         | U                             | 2.85  |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate              | 14.20                        | 0.08                          |                              | 8.36                          | 0.04                         |                               | 15.56 |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                       | 2.90                         | 0.02                          | U                            | 3.62                          | 0.02                         | U                             | 2.55  |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                   | 6.63                         | 0.04                          | U                            | 7.85                          | 0.04                         | U                             | 5.72  |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate           | 21.92                        | 0.12                          |                              | 28.28                         | 0.13                         |                               | 16.72 |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                   | 0.75                         | 0.004                         | U                            | 1.98                          | 0.01                         | U                             | 0.67  |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | 1.77                         | 0.01                          | U                            | ND                            | ND    |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 22741                        | 22876                         |                              | 23135                         |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2414.D                    | ENG2431.D                     |                              | ENG2443.D                     |                               |
| <b>Date Sampled</b>         | 9/10/2001                    | 9/16/2001                     |                              | 9/22/2001                     |                               |
| <b>Date Analyzed</b>        | 10/2/2001                    | 10/2/2001                     |                              | 10/18/2001                    |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 203.9                         | Actual Vol (m <sup>3</sup> ) | 178.7                         | Actual Vol (m <sup>3</sup> )  |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>        |
|                             |                              |                               |                              |                               | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,4-Dichlorobenzene         | 38.77                        | 0.19                          | 154.45                       | 0.86                          | 76.25                         |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Naphthalene                 | 30.14                        | 0.15                          | 88.42                        | 0.49                          | 66.05                         |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Methylnaphthalene         | 13.18                        | 0.06                          | 29.20                        | 0.16                          | 24.50                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dimethyl phthalate          | 8.31                         | 0.04                          | U                            | ND                            | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            |                              | ND                            | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | U                            | ND                            | ND                            |
| 3-Nitroaniline              | ND                           | ND                            |                              | ND                            | ND                            |
| Acenaphthylene              | ND                           | ND                            | 0.52                         | 0.003                         | U                             |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            |                               |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            |
| Acenaphthene                | 3.07                         | 0.02                          | U                            | 3.42                          | 0.02                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            |                              | ND                            | ND                            |
|                             |                              |                               |                              |                               | 3.41                          |
|                             |                              |                               |                              |                               | 0.02                          |
|                             |                              |                               |                              |                               | U                             |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 22741                        | 22876                         |                              |                               | 23135                        |                               |       |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>               | ENG2414.D                    | ENG2431.D                     |                              |                               | ENG2443.D                    |                               |       |
| <b>Date Sampled</b>            | 9/10/2001                    | 9/16/2001                     |                              |                               | 9/22/2001                    |                               |       |
| <b>Date Analyzed</b>           | 10/2/2001                    | 10/2/2001                     |                              |                               | 10/18/2001                   |                               |       |
|                                | Actual Vol (m <sup>3</sup> ) | 203.9                         | Actual Vol (m <sup>3</sup> ) | 178.7                         | Actual Vol (m <sup>3</sup> ) | 225.8                         |       |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                   | 3.02                         | 0.01                          | U                            | 3.68                          | 0.02                         | U                             | 3.91  |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate              | 22.49                        | 0.11                          |                              | 11.85                         | 0.07                         |                               | 31.23 |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                       | 2.50                         | 0.01                          | U                            | 2.73                          | 0.02                         | U                             | 2.74  |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                   | 6.39                         | 0.03                          | U                            | 5.20                          | 0.03                         | U                             | 6.64  |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate           | 25.52                        | 0.13                          |                              | 13.40                         | 0.07                         | U                             | 17.35 |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                   | 1.43                         | 0.01                          | U                            | 0.53                          | 0.003                        | U                             | 1.48  |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Camden, NJ (CANJ)**  
**2001 Final Data Report**

| Sample I.D.                 | 23186                        | 23317                   |                              | 23431                   |                              |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                   | ENG2466.D                    | ENG2535.D               |                              | ENG2532.D               |                              |
| Date Sampled                | 9/28/2001                    | 10/4/2001               |                              | 10/10/2001              |                              |
| Date Analyzed               | 10/19/2001                   | 11/28/2001              |                              | 11/28/2001              |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 209.0                   | Actual Vol (m <sup>3</sup> ) | 193.5                   | Actual Vol (m <sup>3</sup> ) |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |
|                             |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Dichlorobenzene         | 26.56                        | 0.13                    | 80.05                        | 0.41                    | 88.69                        |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Naphthalene                 | 27.09                        | 0.13                    | 54.26                        | 0.28                    | 59.21                        |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylnaphthalene         | 10.52                        | 0.05                    | U                            | 24.00                   | 0.12                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      |                              | ND                      | 24.30                        |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | 0.13                         |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthene                | 0.81                         | 0.004                   | U                            | 2.69                    | 0.01                         |
| 2,4-Dinitrotoluene          | ND                           | ND                      |                              | ND                      | U                            |
|                             |                              |                         |                              |                         | 1.71                         |
|                             |                              |                         |                              |                         | 0.01                         |
|                             |                              |                         |                              |                         | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 23186                        | 23317                         |                              |                               | 23431                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2466.D                    | ENG2535.D                     |                              |                               | ENG2532.D                    |                               |      |
| <b>Date Sampled</b>            | 9/28/2001                    | 10/4/2001                     |                              |                               | 10/10/2001                   |                               |      |
| <b>Date Analyzed</b>           | 10/19/2001                   | 11/28/2001                    |                              |                               | 11/28/2001                   |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 209.0                         | Actual Vol (m <sup>3</sup> ) | 193.5                         | Actual Vol (m <sup>3</sup> ) | 182.4                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 1.05                         | 0.01                          | U                            | 3.46                          | 0.02                         | U                             | 1.61 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 0.89                         | 0.004                         | U                            | 2.98                          | 0.02                         | U                             | 1.33 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 2.02                         | 0.01                          | U                            | 5.36                          | 0.03                         | U                             | 3.38 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | 5.10                         | 0.02                          | U                            | 14.69                         | 0.08                         | 5.88                          | 0.03 |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Camden, NJ (CANJ)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>          | 23566                        | 23568                         |                              | 23754                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2549.D                    | ENG2566.D                     |                              | ENG2377.D                     |                              |
| <b>Date Sampled</b>         | 10/16/2001                   | 10/22/2001                    |                              | 10/28/2001                    |                              |
| <b>Date Analyzed</b>        | 11/28/2001                   | 11/29/2001                    |                              | 11/29/2001                    |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 188.0                         | Actual Vol (m <sup>3</sup> ) | 152.7                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | 32.80                        | 0.17                          | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 94.84                        | 0.50                          | 52.85                        | 0.35                          | 35.47                        |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 118.06                       | 0.63                          | 49.61                        | 0.32                          | 29.14                        |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 30.17                        | 0.16                          | 19.74                        | 0.13                          | 10.45                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | 0.60                         | 0.003                         | U                            | ND                            | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 3.21                         | 0.02                          | U                            | 1.80                          | 0.01                         |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
|                             |                              |                               |                              | U                             | 0.63                         |
|                             |                              |                               |                              |                               | 0.003                        |
|                             |                              |                               |                              |                               | U                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 23566                        | 23568                         |                              |                               | 23754                        |                               |         |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|---------|
| <b>File I.D.</b>               | ENG2549.D                    | ENG2566.D                     |                              |                               | ENG2377.D                    |                               |         |
| <b>Date Sampled</b>            | 10/16/2001                   | 10/22/2001                    |                              |                               | 10/28/2001                   |                               |         |
| <b>Date Analyzed</b>           | 11/28/2001                   | 11/29/2001                    |                              |                               | 11/29/2001                   |                               |         |
|                                | Actual Vol (m <sup>3</sup> ) | 188.0                         | Actual Vol (m <sup>3</sup> ) | 152.7                         | Actual Vol (m <sup>3</sup> ) | 195.5                         |         |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |         |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Dibenzofuran                   | 2.75                         | 0.01                          | U                            | 2.75                          | 0.02                         | U                             | 0.004 U |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Diethyl phthalate              | ND                           | ND                            | 21.08                        | 0.14                          | ND                           | ND                            |         |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Fluorene                       | 2.22                         | 0.01                          | U                            | 2.04                          | 0.01                         | U                             | 0.003 U |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Phenanthrene                   | 3.75                         | 0.02                          | U                            | 4.59                          | 0.03                         | U                             | 0.01 U  |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |         |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Camden, NJ (CANJ)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>          | 23892                        |                               | 23893                        |                               | 23984                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2635.D                    |                               | ENG2639.D                    |                               | ENG2654.D                    |                               |
| <b>Date Sampled</b>         | 11/3/2001                    |                               | 11/6/2001                    |                               | 11/9/2001                    |                               |
| <b>Date Analyzed</b>        | 12/12/2001                   |                               | 12/12/2001                   |                               | 12/13/2001                   |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 227.6                         | Actual Vol (m <sup>3</sup> ) | 189.8                         | Actual Vol (m <sup>3</sup> ) | 210.0                         |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 95.71                        | 0.42                          | 47.80                        | 0.25                          | 82.91                        | 0.39                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 87.11                        | 0.38                          | 36.59                        | 0.19                          | 54.32                        | 0.26                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 34.27                        | 0.15                          | 15.51                        | 0.08                          | 21.98                        | 0.10                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | 0.79                         | 0.003                         | U                            | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 1.73                         | 0.01                          | U                            | 0.79                          | 0.004                        | U                             |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 23892                        | 23893                         |                              |                               | 23984                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2635.D                    | ENG2639.D                     |                              |                               | ENG2654.D                    |                               |      |
| <b>Date Sampled</b>            | 11/3/2001                    | 11/6/2001                     |                              |                               | 11/9/2001                    |                               |      |
| <b>Date Analyzed</b>           | 12/12/2001                   | 12/12/2001                    |                              |                               | 12/13/2001                   |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 227.6                         | Actual Vol (m <sup>3</sup> ) | 189.8                         | Actual Vol (m <sup>3</sup> ) | 210.0                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 2.65                         | 0.01                          | U                            | 0.96                          | 0.01                         | U                             | 1.24 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | 13.51                        | 0.06                          |                              | ND                            | ND                           | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 2.00                         | 0.01                          | U                            | 0.69                          | 0.004                        | U                             | 0.79 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 4.82                         | 0.02                          | U                            | 1.90                          | 0.01                         | U                             | 2.32 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | 14.78                        | 0.06                          |                              | ND                            | ND                           | ND                            | ND   |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | 5.23                         | 0.02                          | U                            | ND                            | ND                           | ND                            | ND   |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Camden, NJ (CANJ)**  
**2001 Final Data Report**

| Sample I.D.                 | 24041                        | 24149                         | 24300                  |                               |                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| File I.D.                   | ENG2664.D                    | ENG2674.D                     | ENG2712.D              |                               |                        |                               |
| Date Sampled                | 11/15/2001                   | 11/21/2001                    | 11/27/2001             |                               |                        |                               |
| Date Analyzed               | 12/17/2001                   | 12/18/2001                    | 1/10/2002              |                               |                        |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 185.5                         | 207.6                  | Actual Vol (m <sup>3</sup> )  | 177.4                  |                               |
| <u>Compound</u>             | <u>Final Conc (ug)</u>       | <u>Final ug/m<sup>3</sup></u> | <u>Final Conc (ug)</u> | <u>Final ug/m<sup>3</sup></u> | <u>Final Conc (ug)</u> | <u>Final ug/m<sup>3</sup></u> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | 24.59                        | 0.13                          | 29.47                  | 0.14                          | ND                     | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 69.94                        | 0.38                          | 111.19                 | 0.54                          | 51.58                  | 0.29                          |
| Benzyl alcohol              | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | 33.25                        | 0.18                          | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | 27.53                        | 0.15                          | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | 53.82                        | 0.29                          | 94.08                  | 0.45                          | 47.91                  | 0.27                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 29.85                        | 0.16                          | 38.03                  | 0.18                          | 20.45                  | 0.12                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                           | ND                            | 2.14                   | 0.01                          | U                      | 0.60                          |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | 1.45                         | 0.01                          | U                      | 1.33                          | 0.01                   | U                             |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                     | ND                            | ND                     | ND                            |
|                             |                              |                               |                        |                               |                        |                               |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 24041                        | 24149                         |                              |                               | 24300                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2664.D                    | ENG2674.D                     |                              |                               | ENG2712.D                    |                               |      |
| <b>Date Sampled</b>            | 11/15/2001                   | 11/21/2001                    |                              |                               | 11/27/2001                   |                               |      |
| <b>Date Analyzed</b>           | 12/17/2001                   | 12/18/2001                    |                              |                               | 1/10/2002                    |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 185.5                         | Actual Vol (m <sup>3</sup> ) | 207.6                         | Actual Vol (m <sup>3</sup> ) | 177.4                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 2.23                         | 0.01                          | U                            | 1.72                          | 0.01                         | U                             | 0.01 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 1.74                         | 0.01                          | U                            | 1.57                          | 0.01                         | U                             | 0.01 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 3.93                         | 0.02                          | U                            | 3.71                          | 0.02                         | U                             | 0.02 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 24394                        | 24446                         |                              | 24492                         |                              |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2724.D                    | ENG2742.D                     | <th>ENG2744.D</th> <td></td> | ENG2744.D                     |                              |                               |
| <b>Date Sampled</b>         | 11/30/2001                   | 12/6/2001                     |                              | 12/9/2001                     |                              |                               |
| <b>Date Analyzed</b>        | 1/14/2002                    | 1/15/2002                     |                              | 1/15/2002                     |                              |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 186.0                         | Actual Vol (m <sup>3</sup> ) | 185.7                         | Actual Vol (m <sup>3</sup> ) |                               |
|                             |                              |                               |                              |                               | 202.6                        |                               |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | 16.68                        | 0.09                          | U                            | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 33.90                        | 0.18                          | 61.30                        | 0.33                          | 59.96                        | 0.30                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 32.73                        | 0.18                          | 51.63                        | 0.28                          | 40.00                        | 0.20                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 14.74                        | 0.08                          | 24.00                        | 0.13                          | 16.93                        | 0.08                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 1.72                         | 0.01                          | U                            | 1.70                          | 0.01                         | U                             |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
|                             |                              |                               |                              |                               |                              |                               |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Camden, NJ (CANJ)**  
**2001 Final Data Report**

| Sample I.D.                    | 24394                        | 24446                         |                              |                               | 24492                        |                               |       |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| File I.D.                      | ENG2724.D                    | ENG2742.D                     |                              |                               | ENG2744.D                    |                               |       |
| Date Sampled                   | 11/30/2001                   | 12/6/2001                     |                              |                               | 12/9/2001                    |                               |       |
| Date Analyzed                  | 1/14/2002                    | 1/15/2002                     |                              |                               | 1/15/2002                    |                               |       |
|                                | Actual Vol (m <sup>3</sup> ) | 186.0                         | Actual Vol (m <sup>3</sup> ) | 185.7                         | Actual Vol (m <sup>3</sup> ) | 202.6                         |       |
| <u>Compound</u>                | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                   | 1.96                         | 0.01                          | U                            | 2.11                          | 0.01                         | U                             | 0.01  |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate              | 44.68                        | 0.24                          |                              | ND                            | ND                           | ND                            |       |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                       | 1.57                         | 0.01                          | U                            | 1.59                          | 0.01                         | U                             | 0.005 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                   | 4.27                         | 0.02                          | U                            | 3.58                          | 0.02                         | U                             | 0.01  |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate           | 14.28                        | 0.08                          |                              | 14.61                         | 0.08                         | 9.40                          | 0.05  |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Camden, NJ (CANJ)**  
**2001 Final Data Report**

| Sample I.D.                 | 24587                        | 24622                   |                              | 24768                   |                              |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                   | ENG2763.D                    | ENG2759.D               |                              | ENG2783.D               |                              |
| Date Sampled                | 12/12/2001                   | 12/15/2001              |                              | 12/21/2001              |                              |
| Date Analyzed               | 1/16/2002                    | 1/16/2002               |                              | 1/17/2002               |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 188.2                   | Actual Vol (m <sup>3</sup> ) | 202.8                   | Actual Vol (m <sup>3</sup> ) |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |
|                             |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenol                      | 16.62                        | 0.09                    | U                            | ND                      | ND                           |
| Pentachloroethane           | ND                           | ND                      |                              | ND                      | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Dichlorobenzene         | 32.58                        | 0.17                    | 38.15                        | 0.19                    | 33.09                        |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Naphthalene                 | 43.29                        | 0.23                    | 25.12                        | 0.12                    | 29.42                        |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylnaphthalene         | 18.73                        | 0.10                    | 10.53                        | 0.05                    | U                            |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      |                              |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthylene              | 0.88                         | 0.005                   | U                            | ND                      | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                      |                              | ND                      | ND                           |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthene                | 1.11                         | 0.01                    | U                            | 0.57                    | 0.003                        |
| 2,4-Dinitrotoluene          | ND                           | ND                      |                              | ND                      | 0.46                         |
|                             |                              |                         |                              | U                       | 0.002                        |
|                             |                              |                         |                              |                         | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 24587                        | 24622                         |                              |                               | 24768                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2763.D                    | ENG2759.D                     |                              |                               | ENG2783.D                    |                               |      |
| <b>Date Sampled</b>            | 12/12/2001                   | 12/15/2001                    |                              |                               | 12/21/2001                   |                               |      |
| <b>Date Analyzed</b>           | 1/16/2002                    | 1/16/2002                     |                              |                               | 1/17/2002                    |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 188.2                         | Actual Vol (m <sup>3</sup> ) | 202.8                         | Actual Vol (m <sup>3</sup> ) | 192.4                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 1.49                         | 0.01                          | U                            | 0.83                          | 0.004                        | U                             | 0.69 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 1.09                         | 0.01                          | U                            | 0.57                          | 0.003                        | U                             | 0.43 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 2.72                         | 0.01                          | U                            | 1.26                          | 0.01                         | U                             | 1.35 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | 26.08                        | 0.14                          |                              | 13.53                         | 0.07                         | U                             | ND   |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

**Sample I.D.** 24930  
**File I.D.** ENG2793.D  
**Date Sampled** 12/27/2001  
**Date Analyzed** 1/17/2002  
**Actual Vol (m<sup>3</sup>)** 212.0

| <u>Compound</u>             | <u>Final Conc (ug)</u> | <u>Final ug/m<sup>3</sup></u> |   |
|-----------------------------|------------------------|-------------------------------|---|
| N-Nitrosodimethylamine      | ND                     | ND                            |   |
| Pyridine                    | ND                     | ND                            |   |
| Ethyl methanesulfonate      | ND                     | ND                            |   |
| 2-Picoline                  | ND                     | ND                            |   |
| N-Nitrosomethylethylamine   | ND                     | ND                            |   |
| Methyl methanesulfonate     | ND                     | ND                            |   |
| N-Nitrosodiethylamine       | ND                     | ND                            |   |
| Phenol                      | 22.53                  | 0.11                          |   |
| Pentachloroethane           | ND                     | ND                            |   |
| bis (2-Chloroethyl)ether    | ND                     | ND                            |   |
| Aniline                     | ND                     | ND                            |   |
| 2-Chlorophenol              | ND                     | ND                            |   |
| 1,3-Dichlorobenzene         | ND                     | ND                            |   |
| 1,4-Dichlorobenzene         | 46.32                  | 0.22                          |   |
| Benzyl alcohol              | ND                     | ND                            |   |
| 2-Methylphenol              | ND                     | ND                            |   |
| 1,2-Dichlorobenzene         | ND                     | ND                            |   |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            |   |
| 3&4-Methylphenol            | 2.05                   | 0.01                          | U |
| N-Nitrosopyrrolidine        | ND                     | ND                            |   |
| N-Nitrosodipropylamine      | ND                     | ND                            |   |
| o-Toluidine                 | ND                     | ND                            |   |
| Hexachloroethane            | ND                     | ND                            |   |
| Acetophenone                | ND                     | ND                            |   |
| Nitrobenzene                | ND                     | ND                            |   |
| N-Nitrosopiperidine         | ND                     | ND                            |   |
| Isophorone                  | ND                     | ND                            |   |
| 2-Nitrophenol               | ND                     | ND                            |   |
| 2,4-Dimethylphenol          | ND                     | ND                            |   |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            |   |
| 2,4-Dichlorophenol          | ND                     | ND                            |   |
| 4-Chloroaniline             | ND                     | ND                            |   |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            |   |
| Naphthalene                 | 57.51                  | 0.27                          |   |
| 2,6-Dichlorophenol          | ND                     | ND                            |   |
| Hexachloropropene           | ND                     | ND                            |   |
| Hexachlorobutadiene         | ND                     | ND                            |   |
| N-Nitrosodibutylamine       | ND                     | ND                            |   |
| 4-Chloro-3-methylphenol     | ND                     | ND                            |   |
| Safrole                     | ND                     | ND                            |   |
| 2-Methylnaphthalene         | 18.50                  | 0.09                          |   |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            |   |
| 2,4,6-Trichlorophenol       | ND                     | ND                            |   |
| Hexachlorocyclopentadiene   | ND                     | ND                            |   |
| 2,4,5-Trichlorophenol       | ND                     | ND                            |   |
| 2-Nitroaniline              | ND                     | ND                            |   |
| Isosafrole                  | ND                     | ND                            |   |
| 2-Chloronaphthalene         | ND                     | ND                            |   |
| 1,4-Naphthoquinone          | ND                     | ND                            |   |
| Dimethyl phthalate          | ND                     | ND                            |   |
| 1,3-Dintrobenzene           | ND                     | ND                            |   |
| 2,6-Dinitrotoluene          | ND                     | ND                            |   |
| 3-Nitroaniline              | ND                     | ND                            |   |
| Acenaphthylene              | 0.93                   | 0.004                         | U |
| 2,4-Dinitrophenol           | ND                     | ND                            |   |
| 4-Nitrophenol               | ND                     | ND                            |   |
| Acenaphthene                | 0.58                   | 0.003                         | U |
| 2,4-Dinitrotoluene          | ND                     | ND                            |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Camden, NJ (CANJ)

## 2001 Final Data Report

**Sample I.D.** 24930  
**File I.D.** ENG2793.D  
**Date Sampled** 12/27/2001  
**Date Analyzed** 1/17/2002  
**Actual Vol (m<sup>3</sup>)** **212.0**

| <u>Compound</u>                | <u>Final Conc (ug)</u> | <u>Final ug/m<sup>3</sup></u> |   |
|--------------------------------|------------------------|-------------------------------|---|
| 2-Naphthylamine                | ND                     | ND                            |   |
| Dibenzofuran                   | 2.29                   | 0.01                          | U |
| Pentachlorobenzene             | ND                     | ND                            |   |
| 1-Naphthylamine                | ND                     | ND                            |   |
| Diethyl phthalate              | ND                     | ND                            |   |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            |   |
| 4-Nitroaniline                 | ND                     | ND                            |   |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            |   |
| Fluorene                       | 0.96                   | 0.005                         | U |
| 5-Nitro-o-toluidine            | ND                     | ND                            |   |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            |   |
| Diphenylamine                  | ND                     | ND                            |   |
| Azobenzene                     | ND                     | ND                            |   |
| Phenacetin                     | ND                     | ND                            |   |
| Diallate                       | ND                     | ND                            |   |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            |   |
| 4-Aminobiphenyl                | ND                     | ND                            |   |
| Hexachlorobenzene              | ND                     | ND                            |   |
| Pronamide                      | ND                     | ND                            |   |
| Pentachlorophenol              | ND                     | ND                            |   |
| Pentachloronitrobenzene        | ND                     | ND                            |   |
| Phenanthrene                   | 3.58                   | 0.02                          | U |
| Dinoseb                        | ND                     | ND                            |   |
| Anthracene                     | ND                     | ND                            |   |
| Carbazole                      | ND                     | ND                            |   |
| Di-n-butyl phthalate           | ND                     | ND                            |   |
| Benzidine                      | ND                     | ND                            |   |
| Isodrin                        | ND                     | ND                            |   |
| Fluoranthene                   | 0.85                   | 0.004                         | U |
| Pyrene                         | ND                     | ND                            |   |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            |   |
| Chlorobenzilate                | ND                     | ND                            |   |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            |   |
| Butyl benzyl phthalate         | ND                     | ND                            |   |
| 2-Acetylaminofluorene          | ND                     | ND                            |   |
| 3-Methylcholanthrene           | ND                     | ND                            |   |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            |   |
| bis(2-Ethylhexyl)phthalate     | ND                     | ND                            |   |
| Benzo(a)anthracene             | ND                     | ND                            |   |
| Chrysene                       | ND                     | ND                            |   |
| Di-n-octyl phthalate           | ND                     | ND                            |   |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            |   |
| Benzo(b)fluoranthene           | ND                     | ND                            |   |
| Benzo(k)fluoranthene           | ND                     | ND                            |   |
| Benzo(a)pyrene                 | ND                     | ND                            |   |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            |   |
| Dibenz(a,h)anthracene          | ND                     | ND                            |   |
| Benzo(g,h,i)perylene           | ND                     | ND                            |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 21272                        | 21311                         | 21527                        |                               |                              |                               |       |   |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|---|
| <b>File I.D.</b>            | ENG2117.D                    | ENG2225.D                     | ENG2286.D                    |                               |                              |                               |       |   |
| <b>Date Sampled</b>         | 6/30/2001                    | 7/6/2001                      | 7/12/2001                    |                               |                              |                               |       |   |
| <b>Date Analyzed</b>        | 7/11/2001                    | 8/3/2001                      | 8/17/2001                    |                               |                              |                               |       |   |
|                             | Actual Vol (m <sup>3</sup> ) | 207.2                         | Actual Vol (m <sup>3</sup> ) | 192.1                         | Actual Vol (m <sup>3</sup> ) | 147.9                         |       |   |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |   |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |   |
| 1,4-Dichlorobenzene         | 10.41                        | 0.05                          | U                            | ND                            | ND                           | 2.96                          | 0.02  | U |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Naphthalene                 | 12.99                        | 0.06                          | U                            | ND                            | ND                           | 7.43                          | 0.05  | U |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 2-Methylnaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | 3.25                          | 0.02  | U |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Dimethyl phthalate          | 23.68                        | 0.11                          | ND                           | ND                            | ND                           | 10.92                         | 0.07  |   |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |
| Acenaphthene                | 1.01                         | 0.005                         | U                            | ND                            | ND                           | 0.28                          | 0.002 | U |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 21272                        | 21311                         |                              | 21527                         |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>File I.D.</b>               | ENG2117.D                    | ENG2225.D                     |                              | ENG2286.D                     |                               |
| <b>Date Sampled</b>            | 6/30/2001                    | 7/6/2001                      |                              | 7/12/2001                     |                               |
| <b>Date Analyzed</b>           | 7/11/2001                    | 8/3/2001                      |                              | 8/17/2001                     |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 207.2                         | Actual Vol (m <sup>3</sup> ) | 192.1                         | Actual Vol (m <sup>3</sup> )  |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>        |
|                                |                              |                               |                              |                               | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenzofuran                   | 2.26                         | 0.01                          | U                            | ND                            | 0.39                          |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluorene                       | 1.68                         | 0.01                          | U                            | ND                            | 0.36                          |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenanthrene                   | 2.56                         | 0.01                          | U                            | ND                            | 0.61                          |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Di-n-butyl phthalate           | 46.57                        | 0.22                          | 16.92                        | 0.09                          | 15.77                         |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

|                      |           |  |           |  |           |
|----------------------|-----------|--|-----------|--|-----------|
| <b>Sample I.D.</b>   | 21630     |  | 21748     |  | 21915     |
| <b>File I.D.</b>     | ENG2293.D |  | ENG2298.D |  | VOID      |
| <b>Date Sampled</b>  | 7/18/2001 |  | 7/24/2001 |  | 7/30/2001 |
| <b>Date Analyzed</b> | 8/18/2001 |  | 8/18/2001 |  |           |

Actual Vol (m<sup>3</sup>)      **214.0**      Actual Vol (m<sup>3</sup>)      **172.9**      Actual Vol (m<sup>3</sup>)

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            |                        |                               |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            |                        |                               |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Phenol                      | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            |                        |                               |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Aniline                     | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 1,4-Dichlorobenzene         | 31.07                  | 0.15                          | 1.85                   | 0.01                          | U                      |                               |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            |                        |                               |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            |                        |                               |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            |                        |                               |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            |                        |                               |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            |                        |                               |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            |                        |                               |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Naphthalene                 | 24.26                  | 0.11                          | ND                     | ND                            |                        |                               |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            |                        |                               |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Safrole                     | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2-Methylnaphthalene         | 7.23                   | 0.03                          | U                      | 1.89                          | 0.01                   | U                             |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Dimethyl phthalate          | 17.29                  | 0.08                          | 9.61                   | 0.06                          |                        |                               |
| 1,3-Dinitrobenzene          | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Acenaphthylene              | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            |                        |                               |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            |                        |                               |
| Acenaphthene                | 1.99                   | 0.01                          | U                      | ND                            | ND                     |                               |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            |                        |                               |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Chester, NJ (CHNJ)**  
**2001 Final Data Report**

|                      |                              |       |                              |       |                              |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|
| <b>Sample I.D.</b>   | 21630                        |       | 21748                        |       | 21915                        |
| <b>File I.D.</b>     | ENG2293.D                    |       | ENG2298.D                    |       | VOID                         |
| <b>Date Sampled</b>  | 7/18/2001                    |       | 7/24/2001                    |       | 7/30/2001                    |
| <b>Date Analyzed</b> | 8/18/2001                    |       | 8/18/2001                    |       |                              |
|                      | Actual Vol (m <sup>3</sup> ) | 214.0 | Actual Vol (m <sup>3</sup> ) | 172.9 | Actual Vol (m <sup>3</sup> ) |

| <b>Compound</b>                | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|--------------------------------|------------------------|-------------------------------|---|------------------------|-------------------------------|---|------------------------|-------------------------------|
| 2-Naphthylamine                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Dibenzofuran                   | 2.94                   | 0.01                          | U | 0.59                   | 0.003                         | U | ND                     | ND                            |
| Pentachlorobenzene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 1-Naphthylamine                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Diethyl phthalate              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 4-Nitroaniline                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Fluorene                       | 2.65                   | 0.01                          | U | 0.61                   | 0.004                         | U | ND                     | ND                            |
| 5-Nitro-o-toluidine            | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Diphenylamine                  | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Azobenzene                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Phenacetin                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Diallate                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 4-Aminobiphenyl                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Hexachlorobenzene              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Pronamide                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Pentachlorophenol              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Pentachloronitrobenzene        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Phenanthrene                   | 4.33                   | 0.02                          | U | 1.25                   | 0.01                          | U | ND                     | ND                            |
| Dinoseb                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Anthracene                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Carbazole                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Di-n-butyl phthalate           | 34.99                  | 0.16                          |   | 16.20                  | 0.09                          |   | ND                     | ND                            |
| Benzidine                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Isodrin                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Fluoranthene                   | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Pyrene                         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Chlorobenzilate                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Butyl benzyl phthalate         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 2-Acetylaminofluorene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 3-Methylcholanthrene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| bis(2-Ethylhexyl)phthalate     | 1.35                   | 0.01                          | U | ND                     | ND                            |   | ND                     | ND                            |
| Benzo(a)anthracene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Chrysene                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Di-n-octyl phthalate           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Benzo(b)fluoranthene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Benzo(k)fluoranthene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Benzo(a)pyrene                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Dibenz(a,h)anthracene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Benzo(g,h,i)perylene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 22098                        | 22099                         | 22299                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>            | VOID                         | VOID                          | ENG2350.D                    |                               |
| <b>Date Sampled</b>         | 8/5/2001                     | 8/11/2001                     | 8/17/2001                    |                               |
| <b>Date Analyzed</b>        |                              |                               | 9/20/2001                    |                               |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  | Actual Vol (m <sup>3</sup> ) | 275.3                         |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      |                              |                               | ND                           | ND                            |
| Pyridine                    |                              |                               | ND                           | ND                            |
| Ethyl methanesulfonate      |                              |                               | ND                           | ND                            |
| 2-Picoline                  |                              |                               | ND                           | ND                            |
| N-Nitrosomethylethylamine   |                              |                               | ND                           | ND                            |
| Methyl methanesulfonate     |                              |                               | ND                           | ND                            |
| N-Nitrosodiethylamine       |                              |                               | ND                           | ND                            |
| Phenol                      |                              |                               | ND                           | ND                            |
| Pentachloroethane           |                              |                               | ND                           | ND                            |
| bis (2-Chloroethyl)ether    |                              |                               | ND                           | ND                            |
| Aniline                     |                              |                               | ND                           | ND                            |
| 2-Chlorophenol              |                              |                               | ND                           | ND                            |
| 1,3-Dichlorobenzene         |                              |                               | ND                           | ND                            |
| 1,4-Dichlorobenzene         |                              |                               | 6.81                         | 0.02                          |
| Benzyl alcohol              |                              |                               | ND                           | ND                            |
| 2-Methylphenol              |                              |                               | ND                           | ND                            |
| 1,2-Dichlorobenzene         |                              |                               | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether |                              |                               | ND                           | ND                            |
| 3&4-Methylphenol            |                              |                               | ND                           | ND                            |
| N-Nitrosopyrrolidine        |                              |                               | ND                           | ND                            |
| N-Nitrosodipropylamine      |                              |                               | ND                           | ND                            |
| o-Toluidine                 |                              |                               | ND                           | ND                            |
| Hexachloroethane            |                              |                               | ND                           | ND                            |
| Acetophenone                |                              |                               | ND                           | ND                            |
| Nitrobenzene                |                              |                               | ND                           | ND                            |
| N-Nitrosopiperidine         |                              |                               | ND                           | ND                            |
| Isophorone                  |                              |                               | ND                           | ND                            |
| 2-Nitrophenol               |                              |                               | ND                           | ND                            |
| 2,4-Dimethylphenol          |                              |                               | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  |                              |                               | ND                           | ND                            |
| 2,4-Dichlorophenol          |                              |                               | ND                           | ND                            |
| 4-Chloroaniline             |                              |                               | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      |                              |                               | ND                           | ND                            |
| Naphthalene                 |                              |                               | 11.48                        | 0.04                          |
| 2,6-Dichlorophenol          |                              |                               | ND                           | ND                            |
| Hexachloropropene           |                              |                               | ND                           | ND                            |
| Hexachlorobutadiene         |                              |                               | ND                           | ND                            |
| N-Nitrosodibutylamine       |                              |                               | ND                           | ND                            |
| 4-Chloro-3-methylphenol     |                              |                               | ND                           | ND                            |
| Safrole                     |                              |                               | ND                           | ND                            |
| 2-Methylnaphthalene         |                              |                               | 4.64                         | 0.02                          |
| 1,2,4,5-Tetrachlorobenzene  |                              |                               | ND                           | ND                            |
| 2,4,6-Trichlorophenol       |                              |                               | ND                           | ND                            |
| Hexachlorocyclopentadiene   |                              |                               | ND                           | ND                            |
| 2,4,5-Trichlorophenol       |                              |                               | ND                           | ND                            |
| 2-Nitroaniline              |                              |                               | ND                           | ND                            |
| Isosafrole                  |                              |                               | ND                           | ND                            |
| 2-Chloronaphthalene         |                              |                               | ND                           | ND                            |
| 1,4-Naphthoquinone          |                              |                               | ND                           | ND                            |
| Dimethyl phthalate          |                              |                               | 11.68                        | 0.04                          |
| 1,3-Dinitrobenzene          |                              |                               | ND                           | ND                            |
| 2,6-Dinitrotoluene          |                              |                               | ND                           | ND                            |
| 3-Nitroaniline              |                              |                               | ND                           | ND                            |
| Acenaphthylene              |                              |                               | ND                           | ND                            |
| 2,4-Dinitrophenol           |                              |                               | ND                           | ND                            |
| 4-Nitrophenol               |                              |                               | ND                           | ND                            |
| Acenaphthene                |                              |                               | 0.62                         | 0.002                         |
| 2,4-Dinitrotoluene          |                              |                               | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 22098                        | 22099                         | 22299                        |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>               | VOID                         | VOID                          | ENG2350.D                    |                               |
| <b>Date Sampled</b>            | 8/5/2001                     | 8/11/2001                     | 8/17/2001                    |                               |
| <b>Date Analyzed</b>           |                              |                               | 9/20/2001                    |                               |
|                                | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  | Actual Vol (m <sup>3</sup> ) | 275.3                         |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine                |                              |                               | ND                           | ND                            |
| Dibenzofuran                   |                              |                               | 1.25                         | 0.005                         |
| Pentachlorobenzene             |                              |                               | ND                           | ND                            |
| 1-Naphthylamine                |                              |                               | ND                           | ND                            |
| Diethyl phthalate              |                              |                               | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol      |                              |                               | ND                           | ND                            |
| 4-Nitroaniline                 |                              |                               | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether    |                              |                               | ND                           | ND                            |
| Fluorene                       |                              |                               | 1.13                         | 0.004                         |
| 5-Nitro-o-toluidine            |                              |                               | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol     |                              |                               | ND                           | ND                            |
| Diphenylamine                  |                              |                               | ND                           | ND                            |
| Azobenzene                     |                              |                               | ND                           | ND                            |
| Phenacetin                     |                              |                               | ND                           | ND                            |
| Diallate                       |                              |                               | ND                           | ND                            |
| 4-Bromophenyl phenyl ether     |                              |                               | ND                           | ND                            |
| 4-Aminobiphenyl                |                              |                               | ND                           | ND                            |
| Hexachlorobenzene              |                              |                               | ND                           | ND                            |
| Pronamide                      |                              |                               | ND                           | ND                            |
| Pentachlorophenol              |                              |                               | ND                           | ND                            |
| Pentachloronitrobenzene        |                              |                               | ND                           | ND                            |
| Phenanthrene                   |                              |                               | 2.18                         | 0.01                          |
| Dinoseb                        |                              |                               | ND                           | ND                            |
| Anthracene                     |                              |                               | ND                           | ND                            |
| Carbazole                      |                              |                               | ND                           | ND                            |
| Di-n-butyl phthalate           |                              |                               | 27.71                        | 0.10                          |
| Benzidine                      |                              |                               | ND                           | ND                            |
| Isodrin                        |                              |                               | ND                           | ND                            |
| Fluoranthene                   |                              |                               | 1.10                         | 0.004                         |
| Pyrene                         |                              |                               | ND                           | ND                            |
| 4-Dimethylaminoazobenzene      |                              |                               | ND                           | ND                            |
| Chlorobenzilate                |                              |                               | ND                           | ND                            |
| 3,3'-Dimethylbenzidine         |                              |                               | ND                           | ND                            |
| Butyl benzyl phthalate         |                              |                               | ND                           | ND                            |
| 2-Acetylaminofluorene          |                              |                               | ND                           | ND                            |
| 3-Methylcholanthrene           |                              |                               | ND                           | ND                            |
| 3,3'-Dichlorobenzidine         |                              |                               | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate     |                              |                               | ND                           | ND                            |
| Benzo(a)anthracene             |                              |                               | ND                           | ND                            |
| Chrysene                       |                              |                               | ND                           | ND                            |
| Di-n-octyl phthalate           |                              |                               | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracene |                              |                               | ND                           | ND                            |
| Benzo(b)fluoranthene           |                              |                               | ND                           | ND                            |
| Benzo(k)fluoranthene           |                              |                               | ND                           | ND                            |
| Benzo(a)pyrene                 |                              |                               | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene         |                              |                               | ND                           | ND                            |
| Dibenz(a,h)anthracene          |                              |                               | ND                           | ND                            |
| Benzo(g,h,i)perylene           |                              |                               | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| Sample I.D.                 | 22454                        |                               | 22568                        |                               | 22704                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                   | ENG2372.D                    |                               | ENG2376.D                    |                               | ENG2404.D                    |                               |
| Date Sampled                | 8/22/2001                    |                               | 8/29/2001                    |                               | 9/4/2001                     |                               |
| Date Analyzed               | 9/22/2001                    |                               | 9/22/2001                    |                               | 10/1/2001                    |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 208.5                         | Actual Vol (m <sup>3</sup> ) | 208.0                         | Actual Vol (m <sup>3</sup> ) | 191.1                         |
| <u>Compound</u>             | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 4.43                         | 0.02                          | U                            | 8.48                          | 0.04                         | U                             |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 13.17                        | 0.06                          | U                            | 9.28                          | 0.04                         | U                             |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 6.00                         | 0.03                          | U                            | 4.82                          | 0.02                         | U                             |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | 8.17                         | 0.04                          | U                            | 7.41                          | 0.04                         | U                             |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 1.06                         | 0.01                          | U                            | 0.58                          | 0.003                        | U                             |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 22454                        | 22568                         |                              |                               | 22704                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2372.D                    | ENG2376.D                     |                              |                               | ENG2404.D                    |                               |      |
| <b>Date Sampled</b>            | 8/22/2001                    | 8/29/2001                     |                              |                               | 9/4/2001                     |                               |      |
| <b>Date Analyzed</b>           | 9/22/2001                    | 9/22/2001                     |                              |                               | 10/1/2001                    |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 208.5                         | Actual Vol (m <sup>3</sup> ) | 208.0                         | Actual Vol (m <sup>3</sup> ) | 191.1                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 1.17                         | 0.01                          | U                            | 0.71                          | 0.003                        | U                             | 0.35 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 0.99                         | 0.00                          | U                            | 0.61                          | 0.003                        | U                             | ND   |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 1.64                         | 0.01                          | U                            | 1.15                          | 0.01                         | U                             | 1.19 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | 20.14                        | 0.10                          | 21.85                        | 0.11                          | 13.49                        | 0.07                          | U    |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| Sample I.D.                 | 22740                        | 22879                   |                              | 23134                   |                              |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                   | ENG2411.D                    | ENG2434.D               |                              | ENG2442.D               |                              |
| Date Sampled                | 9/10/2001                    | 9/16/2001               |                              | 9/22/2001               |                              |
| Date Analyzed               | 10/1/2001                    | 10/2/2001               |                              | 10/18/2001              |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 208.3                   | Actual Vol (m <sup>3</sup> ) | 209.8                   | Actual Vol (m <sup>3</sup> ) |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |
|                             |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Dichlorobenzene         | ND                           | ND                      | 8.91                         | 0.04                    | U                            |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Naphthalene                 | 11.44                        | 0.05                    | U                            | 10.06                   | 0.05                         |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylnaphthalene         | 3.68                         | 0.02                    | U                            | 3.98                    | 0.02                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dimethyl phthalate          | 7.58                         | 0.04                    | U                            | ND                      | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthene                | 0.65                         | 0.003                   | U                            | 0.60                    | 0.003                        |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| Sample I.D.                    | 22740                  | 22879              |                        |                    | 23134                  |                    |      |
|--------------------------------|------------------------|--------------------|------------------------|--------------------|------------------------|--------------------|------|
| File I.D.                      | ENG2411.D              | ENG2434.D          |                        |                    | ENG2442.D              |                    |      |
| Date Sampled                   | 9/10/2001              | 9/16/2001          |                        |                    | 9/22/2001              |                    |      |
| Date Analyzed                  | 10/1/2001              | 10/2/2001          |                        |                    | 10/18/2001             |                    |      |
|                                | Actual Vol (m³)        | 208.3              | Actual Vol (m³)        | 209.8              | Actual Vol (m³)        | 158.1              |      |
| <u>Compound</u>                | <u>Final Conc (µg)</u> | <u>Final µg/m³</u> | <u>Final Conc (µg)</u> | <u>Final µg/m³</u> | <u>Final Conc (µg)</u> | <u>Final µg/m³</u> |      |
| 2-Naphthylamine                | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Dibenzofuran                   | 1.20                   | 0.01               | U                      | 0.76               | 0.004                  | U                  | 0.60 |
| Pentachlorobenzene             | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 1-Naphthylamine                | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Diethyl phthalate              | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 4-Nitroaniline                 | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Fluorene                       | 0.91                   | 0.004              | U                      | 0.55               | 0.003                  | U                  | 0.47 |
| 5-Nitro-o-toluidine            | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Diphenylamine                  | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Azobenzene                     | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Phenacetin                     | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Diallate                       | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 4-Bromophenyl phenyl ether     | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 4-Aminobiphenyl                | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Hexachlorobenzene              | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Pronamide                      | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Pentachlorophenol              | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Pentachloronitrobenzene        | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Phenanthrene                   | 2.17                   | 0.01               | U                      | 0.90               | 0.004                  | U                  | 1.04 |
| Dinoseb                        | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Anthracene                     | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Carbazole                      | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Di-n-butyl phthalate           | 27.00                  | 0.13               |                        | 9.55               | 0.05                   | U                  | 9.81 |
| Benzidine                      | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Isodrin                        | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Fluoranthene                   | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Pyrene                         | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 4-Dimethylaminoazobenzene      | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Chlorobenzilate                | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 3,3'-Dimethylbenzidine         | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Butyl benzyl phthalate         | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 2-Acetylaminofluorene          | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 3-Methylcholanthrene           | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 3,3'-Dichlorobenzidine         | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| bis(2-Ethylhexyl)phthalate     | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Benzo(a)anthracene             | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Chrysene                       | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Di-n-octyl phthalate           | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Benzo(b)fluoranthene           | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Benzo(k)fluoranthene           | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Benzo(a)pyrene                 | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Dibenz(a,h)anthracene          | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |
| Benzo(g,h,i)perylene           | ND                     | ND                 | ND                     | ND                 | ND                     | ND                 |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

|                      |                              |              |                              |
|----------------------|------------------------------|--------------|------------------------------|
| <b>Sample I.D.</b>   | 23184                        | <b>23315</b> | 23433                        |
| <b>File I.D.</b>     | ENG2462.D                    | VOID         | ENG2544.D                    |
| <b>Date Sampled</b>  | 9/28/2001                    | 10/4/2001    | 10/10/2001                   |
| <b>Date Analyzed</b> | 10/18/2001                   |              | 11/28/2001                   |
|                      | Actual Vol (m <sup>3</sup> ) | <b>237.2</b> | Actual Vol (m <sup>3</sup> ) |
|                      |                              |              | Actual Vol (m <sup>3</sup> ) |
|                      |                              |              | <b>193.7</b>                 |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            |                        |                               | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Phenol                      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Aniline                     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 3.68                   | 0.02                          |                        |                               | 4.25                   | 0.02                          |
| Benzyl alcohol              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            |                        |                               | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            |                        |                               | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            |                        |                               | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Naphthalene                 | 6.41                   | 0.03                          |                        |                               | 9.65                   | 0.05                          |
| 2,6-Dichlorophenol          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Safrole                     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Methylnaphthalene         | 2.63                   | 0.01                          |                        |                               | 3.26                   | 0.02                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Acenaphthylene              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Acenaphthene                | 0.21                   | 0.001                         |                        |                               | ND                     | ND                            |
| 2,4-Dinitrotoluene          | ND                     | ND                            |                        |                               | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

|                      |                              |              |                              |
|----------------------|------------------------------|--------------|------------------------------|
| <b>Sample I.D.</b>   | 23184                        | <b>23315</b> | 23433                        |
| <b>File I.D.</b>     | ENG2462.D                    | VOID         | ENG2544.D                    |
| <b>Date Sampled</b>  | 9/28/2001                    | 10/4/2001    | 10/10/2001                   |
| <b>Date Analyzed</b> | 10/18/2001                   |              | 11/28/2001                   |
|                      | Actual Vol (m <sup>3</sup> ) | <b>237.2</b> | Actual Vol (m <sup>3</sup> ) |
|                      |                              |              | Actual Vol (m <sup>3</sup> ) |
|                      |                              |              | <b>193.7</b>                 |

| <b>Compound</b>                | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|--------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| 2-Naphthylamine                | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Dibenzofuran                   | ND                     | ND                            |                        |                               | 0.49                   | 0.003                         |
| Pentachlorobenzene             | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1-Naphthylamine                | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Diethyl phthalate              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 4-Nitroaniline                 | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Fluorene                       | ND                     | ND                            |                        |                               | 0.29                   | 0.001                         |
| 5-Nitro-o-toluidine            | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Diphenylamine                  | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Azobenzene                     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Phenacetin                     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Diallate                       | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 4-Aminobiphenyl                | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Hexachlorobenzene              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Pronamide                      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Pentachlorophenol              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Pentachloronitrobenzene        | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Phenanthrene                   | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Dinoseb                        | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Anthracene                     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Carbazole                      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Di-n-butyl phthalate           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Benzidine                      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Isodrin                        | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Fluoranthene                   | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Pyrene                         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Chlorobenzilate                | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Butyl benzyl phthalate         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Acetylaminofluorene          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 3-Methylcholanthrene           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Benzo(a)anthracene             | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Chrysene                       | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Di-n-octyl phthalate           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Benzo(b)fluoranthene           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Benzo(k)fluoranthene           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Benzo(a)pyrene                 | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Dibenz(a,h)anthracene          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Benzo(g,h,i)perylene           | ND                     | ND                            |                        |                               | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Chester, NJ (CHNJ)**  
**2001 Final Data Report**

| Sample I.D.                 | 23564                        | 23569                   |                              | 23756                   |                              |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                   | ENG2547.D                    | ENG2567.D               |                              | ENG2379.D               |                              |
| Date Sampled                | 10/16/2001                   | 10/22/2001              |                              | 10/28/2001              |                              |
| Date Analyzed               | 11/28/2001                   | 11/29/2001              |                              | 11/29/2001              |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 206.6                   | Actual Vol (m <sup>3</sup> ) | 241.4                   | Actual Vol (m <sup>3</sup> ) |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |
|                             |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Dichlorobenzene         | 18.02                        | 0.09                    | 7.82                         | 0.03                    | U                            |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Naphthalene                 | 13.16                        | 0.06                    | U                            | 13.66                   | 0.06                         |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylnaphthalene         | 5.02                         | 0.02                    | U                            | 5.82                    | 0.02                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthene                | 0.68                         | 0.003                   | U                            | 0.42                    | 0.002                        |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |
|                             |                              |                         |                              |                         | U                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 23564                        | 23569                         |                              |                               | 23756                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2547.D                    | ENG2567.D                     |                              |                               | ENG2379.D                    |                               |      |
| <b>Date Sampled</b>            | 10/16/2001                   | 10/22/2001                    |                              |                               | 10/28/2001                   |                               |      |
| <b>Date Analyzed</b>           | 11/28/2001                   | 11/29/2001                    |                              |                               | 11/29/2001                   |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 206.6                         | Actual Vol (m <sup>3</sup> ) | 241.4                         | Actual Vol (m <sup>3</sup> ) | 229.4                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 0.91                         | 0.004                         | U                            | 0.74                          | 0.003                        | U                             | 0.95 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 0.60                         | 0.003                         | U                            | 0.59                          | 0.002                        | U                             | 0.40 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | ND                           | ND                            | 1.10                         | 0.005                         | U                            | 1.87                          | 0.01 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | ND                           | ND                            | 13.72                        | 0.06                          | U                            | ND                            | ND   |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | ND                           | ND                            | 1.77                         | 0.01                          | U                            | ND                            | ND   |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| Sample I.D.                 | 23894                        |                               | 23985                        |                               | 24042                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                   | ENG2636.D                    |                               | ENG2655.D                    |                               | ENG2665.D                    |                               |
| Date Sampled                | 11/3/2001                    |                               | 11/9/2001                    |                               | 11/15/2001                   |                               |
| Date Analyzed               | 12/12/2001                   |                               | 12/13/2001                   |                               | 12/17/2001                   |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 209.9                         | Actual Vol (m <sup>3</sup> ) | 247.1                         | Actual Vol (m <sup>3</sup> ) | 204.0                         |
| <u>Compound</u>             | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 6.38                         | 0.03                          | U                            | 6.67                          | 0.03                         | U                             |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 8.21                         | 0.04                          | U                            | 13.05                         | 0.05                         | U                             |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 3.04                         | 0.01                          | U                            | 4.42                          | 0.02                         | U                             |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | ND                           | ND                            | ND                           | ND                            | 0.78                         | 0.004                         |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 23894                        | 23985                         |                              | 24042                         |                               |       |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|-------|
| <b>File I.D.</b>               | ENG2636.D                    | ENG2655.D                     | <th>ENG2665.D</th> <td></td> | ENG2665.D                     |                               |       |
| <b>Date Sampled</b>            | 11/3/2001                    | 11/9/2001                     |                              | 11/15/2001                    |                               |       |
| <b>Date Analyzed</b>           | 12/12/2001                   | 12/13/2001                    |                              | 12/17/2001                    |                               |       |
|                                | Actual Vol (m <sup>3</sup> ) | 209.9                         | Actual Vol (m <sup>3</sup> ) | 247.1                         | Actual Vol (m <sup>3</sup> )  |       |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>        |       |
|                                |                              |                               |                              |                               | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Dibenzofuran                   | ND                           | ND                            | ND                           | ND                            | 0.65                          | 0.003 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Fluorene                       | 0.22                         | 0.001                         | U                            | ND                            | ND                            | ND    |
| 5-Nitro-o-toluidine            | ND                           | ND                            |                              | ND                            | ND                            | ND    |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Phenanthrene                   | ND                           | ND                            | ND                           | ND                            | 1.63                          | 0.01  |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| Sample I.D.                 | 24151                        |                               | 24148                        |                               | 24299                        |                               |       |       |   |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|-------|---|
| File I.D.                   | ENG2669.D                    |                               | ENG2673.D                    |                               | ENG2711.D                    |                               |       |       |   |
| Date Sampled                | 11/18/2001                   |                               | 11/21/2001                   |                               | 11/27/2001                   |                               |       |       |   |
| Date Analyzed               | 12/17/2001                   |                               | 12/18/2001                   |                               | 1/10/2002                    |                               |       |       |   |
|                             | Actual Vol (m <sup>3</sup> ) | 198.8                         | Actual Vol (m <sup>3</sup> ) | 219.2                         | Actual Vol (m <sup>3</sup> ) | 192.4                         |       |       |   |
| <u>Compound</u>             | <u>Final Conc (ug)</u>       | <u>Final ug/m<sup>3</sup></u> | <u>Final Conc (ug)</u>       | <u>Final ug/m<sup>3</sup></u> | <u>Final Conc (ug)</u>       | <u>Final ug/m<sup>3</sup></u> |       |       |   |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |       |   |
| 1,4-Dichlorobenzene         | 9.11                         | 0.05                          | U                            | 3.80                          | 0.02                         | U                             | 8.58  | 0.04  | U |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Naphthalene                 | 14.91                        | 0.08                          | U                            | 13.35                         | 0.06                         | U                             | 13.61 | 0.07  | U |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 2-Methylnaphthalene         | 4.41                         | 0.02                          | U                            | 4.97                          | 0.02                         | U                             | 4.72  | 0.02  | U |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |
| Acenaphthene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | 0.22  | 0.001 | U |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    | ND    |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| Sample I.D.                    | 24151                        | 24148                         |                              | 24299                         |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| File I.D.                      | ENG2669.D                    | ENG2673.D                     |                              | ENG2711.D                     |                               |
| Date Sampled                   | 11/18/2001                   | 11/21/2001                    |                              | 11/27/2001                    |                               |
| Date Analyzed                  | 12/17/2001                   | 12/18/2001                    |                              | 1/10/2002                     |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 198.8                         | Actual Vol (m <sup>3</sup> ) | 219.2                         | Actual Vol (m <sup>3</sup> )  |
| <u>Compound</u>                | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>        |
|                                |                              |                               |                              |                               | <u>Final µg/m<sup>3</sup></u> |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenzofuran                   | 0.81                         | 0.004                         | U                            | ND                            | 0.43                          |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diethyl phthalate              | 11.98                        | 0.06                          | ND                           | ND                            | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluorene                       | 0.27                         | 0.001                         | U                            | 0.22                          | 0.001                         |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenanthrene                   | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| Sample I.D.                 | 24444                        |                               | 24445                        |                               | 24495                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                   | ENG2735.D                    |                               | ENG2741.D                    |                               | ENG2749.D                    |                               |
| Date Sampled                | 12/3/2001                    |                               | 12/6/2001                    |                               | 12/9/2001                    |                               |
| Date Analyzed               | 1/15/2002                    |                               | 1/15/2002                    |                               | 1/16/2002                    |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 201.9                         | Actual Vol (m <sup>3</sup> ) | 230.8                         | Actual Vol (m <sup>3</sup> ) | 249.9                         |
| <u>Compound</u>             | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 9.90                         | 0.05                          | U                            | 8.70                          | 0.04                         | U                             |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 14.91                        | 0.07                          | U                            | 18.75                         | 0.08                         | 12.48                         |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 5.26                         | 0.03                          | U                            | 6.06                          | 0.03                         | U                             |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | ND                           | ND                            | 0.19                         | 0.001                         | U                            | ND                            |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 24444                        | 24445                         |                              | 24495                         |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>File I.D.</b>               | ENG2735.D                    | ENG2741.D                     |                              | ENG2749.D                     |                               |
| <b>Date Sampled</b>            | 12/3/2001                    | 12/6/2001                     |                              | 12/9/2001                     |                               |
| <b>Date Analyzed</b>           | 1/15/2002                    | 1/15/2002                     |                              | 1/16/2002                     |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 201.9                         | Actual Vol (m <sup>3</sup> ) | 230.8                         | Actual Vol (m <sup>3</sup> )  |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>        |
|                                |                              |                               |                              |                               | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenzofuran                   | 0.64                         | 0.003                         | U                            | 1.06                          | 0.005                         |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluorene                       | 0.56                         | 0.003                         | U                            | 0.64                          | 0.003                         |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenanthrene                   | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 24585                        | 24620                         |                              | 24769                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2755.D                    | ENG2757.D                     |                              | ENG2784.D                     |                              |
| <b>Date Sampled</b>         | 12/12/2001                   | 12/15/2001                    |                              | 12/21/2001                    |                              |
| <b>Date Analyzed</b>        | 1/16/2002                    | 1/16/2002                     |                              | 1/17/2002                     |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 199.3                         | Actual Vol (m <sup>3</sup> ) | 204.7                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | 15.23                        | 0.08                          | U                            | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            |                              | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 14.16                        | 0.07                          | 2.53                         | 0.01                          | U                            |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            |                              |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 20.36                        | 0.10                          | 5.66                         | 0.03                          | U                            |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |                              |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 8.61                         | 0.04                          | U                            | 1.52                          | 0.01                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            |                              | ND                            | 1.27                         |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | 0.01                         |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | U                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 0.26                         | 0.001                         | U                            | ND                            | ND                           |
| 2,4-Dinitrotoluene          | ND                           | ND                            |                              | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

| Sample I.D.   | 24585                        |       | 24620                        |       | 24769                        |       |
|---------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| File I.D.     | ENG2755.D                    |       | ENG2757.D                    |       | ENG2784.D                    |       |
| Date Sampled  | 12/12/2001                   |       | 12/15/2001                   |       | 12/21/2001                   |       |
| Date Analyzed | 1/16/2002                    |       | 1/16/2002                    |       | 1/17/2002                    |       |
|               | Actual Vol (m <sup>3</sup> ) | 199.3 | Actual Vol (m <sup>3</sup> ) | 204.7 | Actual Vol (m <sup>3</sup> ) | 205.6 |

| <u>Compound</u>                | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> |   | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> |
|--------------------------------|------------------------|-------------------------------|---|------------------------|-------------------------------|------------------------|-------------------------------|
| 2-Naphthylamine                | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Dibenzofuran                   | 0.91                   | 0.005                         | U | ND                     | ND                            | ND                     | ND                            |
| Pentachlorobenzene             | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 1-Naphthylamine                | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Diethyl phthalate              | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 4-Nitroaniline                 | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Fluorene                       | 0.60                   | 0.003                         | U | ND                     | ND                            | ND                     | ND                            |
| 5-Nitro-o-toluidine            | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Diphenylamine                  | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Azobenzene                     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Phenacetin                     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Diallate                       | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 4-Aminobiphenyl                | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobenzene              | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Pronamide                      | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Pentachlorophenol              | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Pentachloronitrobenzene        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Phenanthrene                   | 1.21                   | 0.01                          | U | ND                     | ND                            | ND                     | ND                            |
| Dinoseb                        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Anthracene                     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Carbazole                      | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Di-n-butyl phthalate           | 2.58                   | 0.01                          | U | ND                     | ND                            | ND                     | ND                            |
| Benzidine                      | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Isodrin                        | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Fluoranthene                   | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Pyrene                         | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Chlorobenzilate                | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Butyl benzyl phthalate         | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 2-Acetylaminofluorene          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 3-Methylcholanthrene           | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Benzo(a)anthracene             | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Chrysene                       | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Di-n-octyl phthalate           | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Benzo(b)fluoranthene           | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Benzo(k)fluoranthene           | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Benzo(a)pyrene                 | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Dibenz(a,h)anthracene          | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |
| Benzo(g,h,i)perylene           | ND                     | ND                            |   | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

**Sample I.D.** 24931  
**File I.D.** ENG2794.D  
**Date Sampled** 12/27/2001  
**Date Analyzed** 1/17/2002  
**Actual Vol (m<sup>3</sup>)** **230.7**

| <u>Compound</u>             | <u>Final Conc (ug)</u> | <u>Final ug/m<sup>3</sup></u> |   |
|-----------------------------|------------------------|-------------------------------|---|
| N-Nitrosodimethylamine      | ND                     | ND                            |   |
| Pyridine                    | ND                     | ND                            |   |
| Ethyl methanesulfonate      | ND                     | ND                            |   |
| 2-Picoline                  | ND                     | ND                            |   |
| N-Nitrosomethylethylamine   | ND                     | ND                            |   |
| Methyl methanesulfonate     | ND                     | ND                            |   |
| N-Nitrosodiethylamine       | ND                     | ND                            |   |
| Phenol                      | 21.76                  | 0.09                          | U |
| Pentachloroethane           | ND                     | ND                            |   |
| bis (2-Chloroethyl)ether    | ND                     | ND                            |   |
| Aniline                     | ND                     | ND                            |   |
| 2-Chlorophenol              | ND                     | ND                            |   |
| 1,3-Dichlorobenzene         | ND                     | ND                            |   |
| 1,4-Dichlorobenzene         | 3.58                   | 0.02                          | U |
| Benzyl alcohol              | ND                     | ND                            |   |
| 2-Methylphenol              | ND                     | ND                            |   |
| 1,2-Dichlorobenzene         | ND                     | ND                            |   |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            |   |
| 3&4-Methylphenol            | ND                     | ND                            |   |
| N-Nitrosopyrrolidine        | ND                     | ND                            |   |
| N-Nitrosodipropylamine      | ND                     | ND                            |   |
| o-Toluidine                 | ND                     | ND                            |   |
| Hexachloroethane            | ND                     | ND                            |   |
| Acetophenone                | ND                     | ND                            |   |
| Nitrobenzene                | ND                     | ND                            |   |
| N-Nitrosopiperidine         | ND                     | ND                            |   |
| Isophorone                  | ND                     | ND                            |   |
| 2-Nitrophenol               | ND                     | ND                            |   |
| 2,4-Dimethylphenol          | ND                     | ND                            |   |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            |   |
| 2,4-Dichlorophenol          | ND                     | ND                            |   |
| 4-Chloroaniline             | ND                     | ND                            |   |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            |   |
| Naphthalene                 | 13.40                  | 0.06                          | U |
| 2,6-Dichlorophenol          | ND                     | ND                            |   |
| Hexachloropropene           | ND                     | ND                            |   |
| Hexachlorobutadiene         | ND                     | ND                            |   |
| N-Nitrosodibutylamine       | ND                     | ND                            |   |
| 4-Chloro-3-methylphenol     | ND                     | ND                            |   |
| Safrole                     | ND                     | ND                            |   |
| 2-Methylnaphthalene         | 3.91                   | 0.02                          | U |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            |   |
| 2,4,6-Trichlorophenol       | ND                     | ND                            |   |
| Hexachlorocyclopentadiene   | ND                     | ND                            |   |
| 2,4,5-Trichlorophenol       | ND                     | ND                            |   |
| 2-Nitroaniline              | ND                     | ND                            |   |
| Isosafrole                  | ND                     | ND                            |   |
| 2-Chloronaphthalene         | ND                     | ND                            |   |
| 1,4-Naphthoquinone          | ND                     | ND                            |   |
| Dimethyl phthalate          | ND                     | ND                            |   |
| 1,3-Dintrobenzene           | ND                     | ND                            |   |
| 2,6-Dinitrotoluene          | ND                     | ND                            |   |
| 3-Nitroaniline              | ND                     | ND                            |   |
| Acenaphthylene              | ND                     | ND                            |   |
| 2,4-Dinitrophenol           | ND                     | ND                            |   |
| 4-Nitrophenol               | ND                     | ND                            |   |
| Acenaphthene                | ND                     | ND                            |   |
| 2,4-Dinitrotoluene          | ND                     | ND                            |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

**Sample I.D.** 24931  
**File I.D.** ENG2794.D  
**Date Sampled** 12/27/2001  
**Date Analyzed** 1/17/2002  
**Actual Vol (m<sup>3</sup>)** **230.7**

| <u>Compound</u>                | <u>Final Conc (ug)</u> | <u>Final ug/m<sup>3</sup></u> |   |
|--------------------------------|------------------------|-------------------------------|---|
| 2-Naphthylamine                | ND                     | ND                            |   |
| Dibenzofuran                   | 0.73                   | 0.003                         | U |
| Pentachlorobenzene             | ND                     | ND                            |   |
| 1-Naphthylamine                | ND                     | ND                            |   |
| Diethyl phthalate              | ND                     | ND                            |   |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            |   |
| 4-Nitroaniline                 | ND                     | ND                            |   |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            |   |
| Fluorene                       | 0.50                   | 0.002                         | U |
| 5-Nitro-o-toluidine            | ND                     | ND                            |   |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            |   |
| Diphenylamine                  | ND                     | ND                            |   |
| Azobenzene                     | ND                     | ND                            |   |
| Phenacetin                     | ND                     | ND                            |   |
| Diallate                       | ND                     | ND                            |   |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            |   |
| 4-Aminobiphenyl                | ND                     | ND                            |   |
| Hexachlorobenzene              | ND                     | ND                            |   |
| Pronamide                      | ND                     | ND                            |   |
| Pentachlorophenol              | ND                     | ND                            |   |
| Pentachloronitrobenzene        | ND                     | ND                            |   |
| Phenanthrene                   | ND                     | ND                            |   |
| Dinoseb                        | ND                     | ND                            |   |
| Anthracene                     | ND                     | ND                            |   |
| Carbazole                      | ND                     | ND                            |   |
| Di-n-butyl phthalate           | ND                     | ND                            |   |
| Benzidine                      | ND                     | ND                            |   |
| Isodrin                        | ND                     | ND                            |   |
| Fluoranthene                   | ND                     | ND                            |   |
| Pyrene                         | ND                     | ND                            |   |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            |   |
| Chlorobenzilate                | ND                     | ND                            |   |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            |   |
| Butyl benzyl phthalate         | ND                     | ND                            |   |
| 2-Acetylaminofluorene          | ND                     | ND                            |   |
| 3-Methylcholanthrene           | ND                     | ND                            |   |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            |   |
| bis(2-Ethylhexyl)phthalate     | ND                     | ND                            |   |
| Benzo(a)anthracene             | ND                     | ND                            |   |
| Chrysene                       | ND                     | ND                            |   |
| Di-n-octyl phthalate           | ND                     | ND                            |   |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            |   |
| Benzo(b)fluoranthene           | ND                     | ND                            |   |
| Benzo(k)fluoranthene           | ND                     | ND                            |   |
| Benzo(a)pyrene                 | ND                     | ND                            |   |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            |   |
| Dibenz(a,h)anthracene          | ND                     | ND                            |   |
| Benzo(g,h,i)perylene           | ND                     | ND                            |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

|                      |                  |  |           |                   |
|----------------------|------------------|--|-----------|-------------------|
| <b>Sample I.D.</b>   | 19922            |  | 20028     | 20033 Field Blank |
| <b>File I.D.</b>     | ENG1975.D/2244.D |  | ENG1983.D | VOID              |
| <b>Date Sampled</b>  | 4/19/2001        |  | 4/25/2001 | 5/1/2001          |
| <b>Date Analyzed</b> | 5/24/2001        |  | 5/25/2001 | VOID              |

Actual Vol (m<sup>3</sup>)      189.9      Actual Vol (m<sup>3</sup>)      185.2

| <u>Compound</u>             | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            |                        |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            |                        |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            |                        |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            |                        |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            |                        |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            |                        |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            |                        |
| Phenol                      | 44.15                  | 0.23                          | 8.14                   | 0.04                          | U                      |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            |                        |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            |                        |
| Aniline                     | ND                     | ND                            | ND                     | ND                            |                        |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            |                        |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            |                        |
| 1,4-Dichlorobenzene         | 21.91                  | 0.12                          | 19.94                  | 0.11                          |                        |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            |                        |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            |                        |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            |                        |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            |                        |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            |                        |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            |                        |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            |                        |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            |                        |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            |                        |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            |                        |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            |                        |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            |                        |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            |                        |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            |                        |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            |                        |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            |                        |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            |                        |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            |                        |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            |                        |
| Naphthalene                 | 1989.79                | 10.48                         | D                      | 55.12                         | 0.30                   |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            |                        |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            |                        |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            |                        |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            |                        |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            |                        |
| Safrole                     | ND                     | ND                            | ND                     | ND                            |                        |
| 2-Methylnaphthalene         | 98.14                  | 0.52                          |                        | 24.54                         | 0.13                   |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            |                        |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            |                        |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            |                        |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            |                        |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            |                        |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            |                        |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            |                        |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            |                        |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            |                        |
| 1,3-Dinitrobenzene          | ND                     | ND                            | ND                     | ND                            |                        |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            |                        |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            |                        |
| Acenaphthylene              | 1.87                   | 0.01                          | U                      | ND                            | ND                     |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            |                        |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            |                        |
| Acenaphthene                | 20.39                  | 0.11                          |                        | 3.05                          | 0.02                   |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | U                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

|                      |                  |           |                   |
|----------------------|------------------|-----------|-------------------|
| <b>Sample I.D.</b>   | 19922            | 20028     | 20033 Field Blank |
| <b>File I.D.</b>     | ENG1975.D/2244.D | ENG1983.D | VOID              |
| <b>Date Sampled</b>  | 4/19/2001        | 4/25/2001 | 5/1/2001          |
| <b>Date Analyzed</b> | 5/24/2001        | 5/25/2001 | VOID              |

Actual Vol (m<sup>3</sup>)      189.9      Actual Vol (m<sup>3</sup>)      185.2

| <u>Compound</u>                | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u> |
|--------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|
| 2-Naphthylamine                | ND                     | ND                            | ND                     | ND                            |                        |
| Dibenzofuran                   | 21.22                  | 0.11                          | 2.56                   | 0.01                          | U                      |
| Pentachlorobenzene             | ND                     | ND                            | ND                     | ND                            |                        |
| 1-Naphthylamine                | ND                     | ND                            | ND                     | ND                            |                        |
| Diethyl phthalate              | ND                     | ND                            | 1.49                   | 0.01                          | U                      |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            | ND                     | ND                            |                        |
| 4-Nitroaniline                 | ND                     | ND                            | ND                     | ND                            |                        |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            | ND                     | ND                            |                        |
| Fluorene                       | 14.09                  | 0.07                          | 2.14                   | 0.01                          | U                      |
| 5-Nitro-o-toluidine            | ND                     | ND                            | ND                     | ND                            |                        |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            | ND                     | ND                            |                        |
| Diphenylamine                  | ND                     | ND                            | ND                     | ND                            |                        |
| Azobenzene                     | ND                     | ND                            | ND                     | ND                            |                        |
| Phenacetin                     | ND                     | ND                            | ND                     | ND                            |                        |
| Diallate                       | ND                     | ND                            | ND                     | ND                            |                        |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            | ND                     | ND                            |                        |
| 4-Aminobiphenyl                | ND                     | ND                            | ND                     | ND                            |                        |
| Hexachlorobenzene              | ND                     | ND                            | ND                     | ND                            |                        |
| Pronamide                      | ND                     | ND                            | ND                     | ND                            |                        |
| Pentachlorophenol              | ND                     | ND                            | ND                     | ND                            |                        |
| Pentachloronitrobenzene        | ND                     | ND                            | ND                     | ND                            |                        |
| Phenanthrene                   | 30.85                  | 0.16                          | 4.68                   | 0.03                          | U                      |
| Dinoseb                        | ND                     | ND                            | ND                     | ND                            |                        |
| Anthracene                     | 2.04                   | 0.01                          | U                      | ND                            | ND                     |
| Carbazole                      | ND                     | ND                            | ND                     | ND                            |                        |
| Di-n-butyl phthalate           | 21.86                  | 0.12                          | 30.57                  | 0.17                          |                        |
| Benzidine                      | ND                     | ND                            | ND                     | ND                            |                        |
| Isodrin                        | ND                     | ND                            | ND                     | ND                            |                        |
| Fluoranthene                   | 7.28                   | 0.04                          | U                      | ND                            | ND                     |
| Pyrene                         | 4.22                   | 0.02                          | U                      | ND                            | ND                     |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            | ND                     | ND                            |                        |
| Chlorobenzilate                | ND                     | ND                            | ND                     | ND                            |                        |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            | ND                     | ND                            |                        |
| Butyl benzyl phthalate         | ND                     | ND                            | ND                     | ND                            |                        |
| 2-Acetylaminofluorene          | ND                     | ND                            | ND                     | ND                            |                        |
| 3-Methylcholanthrene           | ND                     | ND                            | ND                     | ND                            |                        |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            | ND                     | ND                            |                        |
| bis(2-Ethylhexyl)phthalate     | 2.00                   | 0.01                          | U                      | ND                            | ND                     |
| Benzo(a)anthracene             | ND                     | ND                            | ND                     | ND                            |                        |
| Chrysene                       | ND                     | ND                            | ND                     | ND                            |                        |
| Di-n-octyl phthalate           | ND                     | ND                            | ND                     | ND                            |                        |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            | ND                     | ND                            |                        |
| Benzo(b)fluoranthene           | ND                     | ND                            | ND                     | ND                            |                        |
| Benzo(k)fluoranthene           | ND                     | ND                            | ND                     | ND                            |                        |
| Benzo(a)pyrene                 | ND                     | ND                            | ND                     | ND                            |                        |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            | ND                     | ND                            |                        |
| Dibenz(a,h)anthracene          | ND                     | ND                            | ND                     | ND                            |                        |
| Benzo(g,h,i)perylene           | ND                     | ND                            | ND                     | ND                            |                        |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| Sample I.D.                 | 20034                        | 20179                        | 20186                        |                         |                 |                         |
|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------|-----------------|-------------------------|
| File I.D.                   | VOID                         | ENG1998.D                    | VOID                         |                         |                 |                         |
| Date Sampled                | 5/1/2001                     | 5/7/2001                     | 5/13/2001                    |                         |                 |                         |
| Date Analyzed               | VOID                         | 6/15/2001                    | VOID                         |                         |                 |                         |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) |                         |                 |                         |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup>      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      |                              |                              | ND                           | ND                      |                 |                         |
| Pyridine                    |                              |                              | ND                           | ND                      |                 |                         |
| Ethyl methanesulfonate      |                              |                              | ND                           | ND                      |                 |                         |
| 2-Picoline                  |                              |                              | ND                           | ND                      |                 |                         |
| N-Nitrosomethylethylamine   |                              |                              | ND                           | ND                      |                 |                         |
| Methyl methanesulfonate     |                              |                              | ND                           | ND                      |                 |                         |
| N-Nitrosodiethylamine       |                              |                              | ND                           | ND                      |                 |                         |
| Phenol                      |                              |                              | ND                           | ND                      |                 |                         |
| Pentachloroethane           |                              |                              | ND                           | ND                      |                 |                         |
| bis (2-Chloroethyl)ether    |                              |                              | ND                           | ND                      |                 |                         |
| Aniline                     |                              |                              | ND                           | ND                      |                 |                         |
| 2-Chlorophenol              |                              |                              | ND                           | ND                      |                 |                         |
| 1,3-Dichlorobenzene         |                              |                              | ND                           | ND                      |                 |                         |
| 1,4-Dichlorobenzene         |                              |                              | 10.14                        | 0.05                    | U               |                         |
| Benzyl alcohol              |                              |                              | ND                           | ND                      |                 |                         |
| 2-Methylphenol              |                              |                              | ND                           | ND                      |                 |                         |
| 1,2-Dichlorobenzene         |                              |                              | ND                           | ND                      |                 |                         |
| bis(2-Chloroisopropyl)ether |                              |                              | ND                           | ND                      |                 |                         |
| 3&4-Methylphenol            |                              |                              | ND                           | ND                      |                 |                         |
| N-Nitrosopyrrolidine        |                              |                              | ND                           | ND                      |                 |                         |
| N-Nitrosodipropylamine      |                              |                              | ND                           | ND                      |                 |                         |
| o-Toluidine                 |                              |                              | ND                           | ND                      |                 |                         |
| Hexachloroethane            |                              |                              | ND                           | ND                      |                 |                         |
| Acetophenone                |                              |                              | ND                           | ND                      |                 |                         |
| Nitrobenzene                |                              |                              | ND                           | ND                      |                 |                         |
| N-Nitrosopiperidine         |                              |                              | ND                           | ND                      |                 |                         |
| Isophorone                  |                              |                              | ND                           | ND                      |                 |                         |
| 2-Nitrophenol               |                              |                              | ND                           | ND                      |                 |                         |
| 2,4-Dimethylphenol          |                              |                              | ND                           | ND                      |                 |                         |
| bis(2-Chloroethoxy)methane  |                              |                              | ND                           | ND                      |                 |                         |
| 2,4-Dichlorophenol          |                              |                              | ND                           | ND                      |                 |                         |
| 4-Chloroaniline             |                              |                              | ND                           | ND                      |                 |                         |
| 1,2,4-Trichlorobenzene      |                              |                              | ND                           | ND                      |                 |                         |
| Naphthalene                 |                              |                              | 53.26                        | 0.27                    |                 |                         |
| 2,6-Dichlorophenol          |                              |                              | ND                           | ND                      |                 |                         |
| Hexachloropropene           |                              |                              | ND                           | ND                      |                 |                         |
| Hexachlorobutadiene         |                              |                              | ND                           | ND                      |                 |                         |
| N-Nitrosodibutylamine       |                              |                              | ND                           | ND                      |                 |                         |
| 4-Chloro-3-methylphenol     |                              |                              | ND                           | ND                      |                 |                         |
| Safrole                     |                              |                              | ND                           | ND                      |                 |                         |
| 2-Methylnaphthalene         |                              |                              | 26.20                        | 0.13                    |                 |                         |
| 1,2,4,5-Tetrachlorobenzene  |                              |                              | ND                           | ND                      |                 |                         |
| 2,4,6-Trichlorophenol       |                              |                              | ND                           | ND                      |                 |                         |
| Hexachlorocyclopentadiene   |                              |                              | ND                           | ND                      |                 |                         |
| 2,4,5-Trichlorophenol       |                              |                              | ND                           | ND                      |                 |                         |
| 2-Nitroaniline              |                              |                              | ND                           | ND                      |                 |                         |
| Isosafrole                  |                              |                              | ND                           | ND                      |                 |                         |
| 2-Chloronaphthalene         |                              |                              | ND                           | ND                      |                 |                         |
| 1,4-Naphthoquinone          |                              |                              | ND                           | ND                      |                 |                         |
| Dimethyl phthalate          |                              |                              | ND                           | ND                      |                 |                         |
| 1,3-Dintrobenzene           |                              |                              | ND                           | ND                      |                 |                         |
| 2,6-Dinitrotoluene          |                              |                              | ND                           | ND                      |                 |                         |
| 3-Nitroaniline              |                              |                              | ND                           | ND                      |                 |                         |
| Acenaphthylene              |                              |                              | ND                           | ND                      |                 |                         |
| 2,4-Dinitrophenol           |                              |                              | ND                           | ND                      |                 |                         |
| 4-Nitrophenol               |                              |                              | ND                           | ND                      |                 |                         |
| Acenaphthene                |                              |                              | 5.90                         | 0.03                    |                 |                         |
| 2,4-Dinitrotoluene          |                              |                              | ND                           | ND                      |                 |                         |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| Sample I.D.                   | 20034                        | 20179                        | 20186                        |                         |                 |                         |
|-------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|-----------------|-------------------------|
| File I.D.                     | VOID                         | ENG1998.D                    | VOID                         |                         |                 |                         |
| Date Sampled                  | 5/1/2001                     | 5/7/2001                     | 5/13/2001                    |                         |                 |                         |
| Date Analyzed                 | VOID                         | 6/15/2001                    | VOID                         |                         |                 |                         |
|                               | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) |                         |                 |                         |
| Compound                      | Final Conc (µg)              | Final µg/m <sup>3</sup>      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
| 2-Naphthylamine               |                              |                              | ND                           | ND                      |                 |                         |
| Dibenzofuran                  |                              |                              | 5.38                         | 0.03                    | U               |                         |
| Pentachlorobenzene            |                              |                              | ND                           | ND                      |                 |                         |
| 1-Naphthylamine               |                              |                              | ND                           | ND                      |                 |                         |
| Diethyl phthalate             |                              |                              | 8.47                         | 0.04                    |                 |                         |
| 2,3,4,6-Tetrachlorophenol     |                              |                              | ND                           | ND                      |                 |                         |
| 4-Nitroaniline                |                              |                              | ND                           | ND                      |                 |                         |
| 4-Chlorophenyl-phenyl ether   |                              |                              | ND                           | ND                      |                 |                         |
| Fluorene                      |                              |                              | 4.23                         | 0.02                    | U               |                         |
| 5-Nitro-o-toluidine           |                              |                              | ND                           | ND                      |                 |                         |
| 4,6-Dinitro-2-methylphenol    |                              |                              | ND                           | ND                      |                 |                         |
| Diphenylamine                 |                              |                              | ND                           | ND                      |                 |                         |
| Azobenzene                    |                              |                              | ND                           | ND                      |                 |                         |
| Phenacetin                    |                              |                              | ND                           | ND                      |                 |                         |
| Diallate                      |                              |                              | ND                           | ND                      |                 |                         |
| 4-Bromophenyl phenyl ether    |                              |                              | ND                           | ND                      |                 |                         |
| 4-Aminobiphenyl               |                              |                              | ND                           | ND                      |                 |                         |
| Hexachlorobenzene             |                              |                              | ND                           | ND                      |                 |                         |
| Pronamide                     |                              |                              | ND                           | ND                      |                 |                         |
| Pentachlorophenol             |                              |                              | ND                           | ND                      |                 |                         |
| Pentachloronitrobenzene       |                              |                              | ND                           | ND                      |                 |                         |
| Phenanthrene                  |                              |                              | 8.45                         | 0.04                    | U               |                         |
| Dinoseb                       |                              |                              | ND                           | ND                      |                 |                         |
| Anthracene                    |                              |                              | ND                           | ND                      |                 |                         |
| Carbazole                     |                              |                              | ND                           | ND                      |                 |                         |
| Di-n-butyl phthalate          |                              |                              | 61.62                        | 0.31                    |                 |                         |
| Benzidine                     |                              |                              | ND                           | ND                      |                 |                         |
| Isodrin                       |                              |                              | ND                           | ND                      |                 |                         |
| Fluoranthene                  |                              |                              | 1.91                         | 0.01                    | U               |                         |
| Pyrene                        |                              |                              | ND                           | ND                      |                 |                         |
| 4-Dimethylaminoazobenzene     |                              |                              | ND                           | ND                      |                 |                         |
| Chlorobenzilate               |                              |                              | ND                           | ND                      |                 |                         |
| 3,3'-Dimethylbenzidine        |                              |                              | ND                           | ND                      |                 |                         |
| Butyl benzyl phthalate        |                              |                              | ND                           | ND                      |                 |                         |
| 2-Acetylaminofluorene         |                              |                              | ND                           | ND                      |                 |                         |
| 3-Methylcholanthrene          |                              |                              | ND                           | ND                      |                 |                         |
| 3,3'-Dichlorobenzidine        |                              |                              | ND                           | ND                      |                 |                         |
| bis(2-Ethylhexyl)phthalate    |                              |                              | ND                           | ND                      |                 |                         |
| Benzo(a)anthracene            |                              |                              | ND                           | ND                      |                 |                         |
| Chrysene                      |                              |                              | ND                           | ND                      |                 |                         |
| Di-n-octyl phthalate          |                              |                              | ND                           | ND                      |                 |                         |
| 7,12-Dimethylbenz(a)anthracen |                              |                              | ND                           | ND                      |                 |                         |
| Benzo(b)fluoranthene          |                              |                              | ND                           | ND                      |                 |                         |
| Benzo(k)fluoranthene          |                              |                              | ND                           | ND                      |                 |                         |
| Benzo(a)pyrene                |                              |                              | ND                           | ND                      |                 |                         |
| Indeno(1,2,3-cd)pyrene        |                              |                              | ND                           | ND                      |                 |                         |
| Dibenz(a,h)anthracene         |                              |                              | ND                           | ND                      |                 |                         |
| Benzo(g,h,i)perylene          |                              |                              | ND                           | ND                      |                 |                         |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| Sample I.D.                    | 20335           | File I.D.   | VOID            | Date Sampled | 5/19/2001       | Date Analyzed | VOID | Actual Vol (m³) | 20336 | File I.D. | ENG2017.D | Date Sampled | 5/25/2001 | Date Analyzed | 6/16/2001 | Actual Vol (m³) | 20462 | File I.D. | ENG2032.D | Date Sampled | 5/31/2001 | Date Analyzed | 6/21/2001 | Actual Vol (m³) | 181.9 |
|--------------------------------|-----------------|-------------|-----------------|--------------|-----------------|---------------|------|-----------------|-------|-----------|-----------|--------------|-----------|---------------|-----------|-----------------|-------|-----------|-----------|--------------|-----------|---------------|-----------|-----------------|-------|
| Compound                       | Final Conc (µg) | Final µg/m³ | Final Conc (µg) | Final µg/m³  | Final Conc (µg) | Final µg/m³   |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| N-Nitrosodimethylamine         |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Pyridine                       |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Ethyl methanesulfonate         |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2-Picoline                     |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| N-Nitrosomethylmethamphetamine |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Methyl methanesulfonate        |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| N-Nitrosodiethylamine          |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Phenol                         | 16.18           | 0.08        | U               |              | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Pentachloroethane              |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| bis (2-Chloroethyl)ether       |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Aniline                        |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2-Chlorophenol                 |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 1,3-Dichlorobenzene            |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 1,4-Dichlorobenzene            | 7.80            | 0.04        | U               |              | 25.50           | 0.14          |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Benzyl alcohol                 |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2-Methylphenol                 |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 1,2-Dichlorobenzene            |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| bis(2-Chloroisopropyl)ether    |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 3&4-Methylphenol               |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| N-Nitrosopyrrolidine           |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| N-Nitrosodipropylamine         |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| o-Toluidine                    |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Hexachloroethane               |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Acetophenone                   |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Nitrobenzene                   |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| N-Nitrosopiperidine            |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Isophorone                     |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2-Nitrophenol                  |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2,4-Dimethylphenol             |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| bis(2-Chloroethoxy)methane     |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2,4-Dichlorophenol             |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 4-Chloroaniline                |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 1,2,4-Trichlorobenzene         |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Naphthalene                    | 238.26          | 1.22        |                 |              | 58.65           | 0.32          |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2,6-Dichlorophenol             |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Hexachloropropene              |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Hexachlorobutadiene            |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| N-Nitrosodibutylamine          |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 4-Chloro-3-methylphenol        |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Safrole                        |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2-Methylnaphthalene            | 35.84           | 0.18        |                 |              | 25.11           | 0.14          |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 1,2,4,5-Tetrachlorobenzene     |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2,4,6-Trichlorophenol          |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Hexachlorocyclopentadiene      |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2,4,5-Trichlorophenol          |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2-Nitroaniline                 |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Isosafrole                     |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2-Chloronaphthalene            |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 1,4-Naphthoquinone             |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Dimethyl phthalate             |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 1,3-Dintrobenzene              |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2,6-Dinitrotoluene             |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 3-Nitroaniline                 |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Acenaphthylene                 |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2,4-Dinitrophenol              |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 4-Nitrophenol                  |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| Acenaphthene                   | 6.59            | 0.03        |                 |              | 1.28            | 0.01          |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |
| 2,4-Dinitrotoluene             |                 |             | ND              | ND           | ND              | ND            |      |                 |       |           |           |              |           |               |           |                 |       |           |           |              |           |               |           |                 |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| Sample I.D.                    | 20335                        | 20336                        | 20462                        |                         |                 |                         |
|--------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|-----------------|-------------------------|
| File I.D.                      | VOID                         | ENG2017.D                    | ENG2032.D                    |                         |                 |                         |
| Date Sampled                   | 5/19/2001                    | 5/25/2001                    | 5/31/2001                    |                         |                 |                         |
| Date Analyzed                  | VOID                         | 6/16/2001                    | 6/21/2001                    |                         |                 |                         |
|                                | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) |                         |                 |                         |
|                                | 195.7                        | 195.7                        | 181.9                        |                         |                 |                         |
| Compound                       | Final Conc (ug)              | Final ug/m <sup>3</sup>      | Final Conc (ug)              | Final ug/m <sup>3</sup> | Final Conc (ug) | Final ug/m <sup>3</sup> |
| 2-Naphthylamine                |                              |                              | ND                           | ND                      | ND              | ND                      |
| Dibenzofuran                   |                              |                              | 6.13                         | 0.03                    | U               | 1.40                    |
| Pentachlorobenzene             |                              |                              | ND                           | ND                      | ND              | ND                      |
| 1-Naphthylamine                |                              |                              | ND                           | ND                      | ND              | ND                      |
| Diethyl phthalate              |                              |                              | ND                           | ND                      | ND              | ND                      |
| 2,3,4,6-Tetrachlorophenol      |                              |                              | ND                           | ND                      | ND              | ND                      |
| 4-Nitroaniline                 |                              |                              | ND                           | ND                      | ND              | ND                      |
| 4-Chlorophenyl-phenyl ether    |                              |                              | ND                           | ND                      | ND              | ND                      |
| Fluorene                       |                              |                              | 5.50                         | 0.03                    | U               | 1.27                    |
| 5-Nitro-o-toluidine            |                              |                              | ND                           | ND                      | ND              | ND                      |
| 4,6-Dinitro-2-methylphenol     |                              |                              | ND                           | ND                      | ND              | ND                      |
| Diphenylamine                  |                              |                              | ND                           | ND                      | ND              | ND                      |
| Azobenzene                     |                              |                              | ND                           | ND                      | ND              | ND                      |
| Phenacetin                     |                              |                              | ND                           | ND                      | ND              | ND                      |
| Diallate                       |                              |                              | ND                           | ND                      | ND              | ND                      |
| 4-Bromophenyl phenyl ether     |                              |                              | ND                           | ND                      | ND              | ND                      |
| 4-Aminobiphenyl                |                              |                              | ND                           | ND                      | ND              | ND                      |
| Hexachlorobenzene              |                              |                              | ND                           | ND                      | ND              | ND                      |
| Pronamide                      |                              |                              | ND                           | ND                      | ND              | ND                      |
| Pentachlorophenol              |                              |                              | ND                           | ND                      | ND              | ND                      |
| Pentachloronitrobenzene        |                              |                              | ND                           | ND                      | ND              | ND                      |
| Phenanthrene                   |                              |                              | 8.16                         | 0.04                    | U               | 2.61                    |
| Dinoseb                        |                              |                              | ND                           | ND                      | ND              | ND                      |
| Anthracene                     |                              |                              | 0.23                         | 0.001                   | U               | ND                      |
| Carbazole                      |                              |                              | ND                           | ND                      | ND              | ND                      |
| Di-n-butyl phthalate           |                              |                              | 35.52                        | 0.18                    |                 | 16.59                   |
| Benzidine                      |                              |                              | ND                           | ND                      | ND              | ND                      |
| Isodrin                        |                              |                              | ND                           | ND                      | ND              | ND                      |
| Fluoranthene                   |                              |                              | ND                           | ND                      | ND              | ND                      |
| Pyrene                         |                              |                              | ND                           | ND                      | ND              | ND                      |
| 4-Dimethylaminoazobenzene      |                              |                              | ND                           | ND                      | ND              | ND                      |
| Chlorobenzilate                |                              |                              | ND                           | ND                      | ND              | ND                      |
| 3,3'-Dimethylbenzidine         |                              |                              | ND                           | ND                      | ND              | ND                      |
| Butyl benzyl phthalate         |                              |                              | ND                           | ND                      | ND              | ND                      |
| 2-Acetylaminofluorene          |                              |                              | ND                           | ND                      | ND              | ND                      |
| 3-Methylcholanthrene           |                              |                              | ND                           | ND                      | ND              | ND                      |
| 3,3'-Dichlorobenzidine         |                              |                              | ND                           | ND                      | ND              | ND                      |
| bis(2-Ethylhexyl)phthalate     |                              |                              | ND                           | ND                      | ND              | ND                      |
| Benzo(a)anthracene             |                              |                              | ND                           | ND                      | ND              | ND                      |
| Chrysene                       |                              |                              | ND                           | ND                      | ND              | ND                      |
| Di-n-octyl phthalate           |                              |                              | ND                           | ND                      | ND              | ND                      |
| 7,12-Dimethylbenz(a)anthracene |                              |                              | ND                           | ND                      | ND              | ND                      |
| Benzo(b)fluoranthene           |                              |                              | ND                           | ND                      | ND              | ND                      |
| Benzo(k)fluoranthene           |                              |                              | ND                           | ND                      | ND              | ND                      |
| Benzo(a)pyrene                 |                              |                              | ND                           | ND                      | ND              | ND                      |
| Indeno(1,2,3-cd)pyrene         |                              |                              | ND                           | ND                      | ND              | ND                      |
| Dibenz(a,h)anthracene          |                              |                              | ND                           | ND                      | ND              | ND                      |
| Benzo(g,h,i)perylene           |                              |                              | ND                           | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| Sample I.D.                 | 20567 Field Blank | 20568           |             | 20634           |             |
|-----------------------------|-------------------|-----------------|-------------|-----------------|-------------|
| File I.D.                   | ENG2040.D         | ENG2041.D       |             | ENG2069.D       |             |
| Date Sampled                | 6/6/2001          | 6/6/2001        |             | 6/12/2001       |             |
| Date Analyzed               | 6/22/2001         | 6/22/2001       |             | 6/28/2001       |             |
|                             |                   | Actual Vol (m³) | 181.5       | Actual Vol (m³) | 169.6       |
| Compound                    | Final Conc (µg)   | Final Conc (µg) | Final µg/m³ | Final Conc (µg) | Final µg/m³ |
| N-Nitrosodimethylamine      | ND                | ND              | ND          | ND              | ND          |
| Pyridine                    | ND                | ND              | ND          | ND              | ND          |
| Ethyl methanesulfonate      | ND                | ND              | ND          | ND              | ND          |
| 2-Picoline                  | ND                | ND              | ND          | ND              | ND          |
| N-Nitrosomethylethylamine   | ND                | ND              | ND          | ND              | ND          |
| Methyl methanesulfonate     | ND                | ND              | ND          | ND              | ND          |
| N-Nitrosodiethylamine       | ND                | ND              | ND          | ND              | ND          |
| Phenol                      | ND                | ND              | ND          | ND              | ND          |
| Pentachloroethane           | ND                | ND              | ND          | ND              | ND          |
| bis (2-Chloroethyl)ether    | ND                | ND              | ND          | ND              | ND          |
| Aniline                     | ND                | ND              | ND          | ND              | ND          |
| 2-Chlorophenol              | ND                | ND              | ND          | ND              | ND          |
| 1,3-Dichlorobenzene         | ND                | ND              | ND          | ND              | ND          |
| 1,4-Dichlorobenzene         | ND                | 26.13           | 0.14        | 19.04           | 0.11        |
| Benzyl alcohol              | ND                | ND              | ND          | ND              | ND          |
| 2-Methylphenol              | ND                | ND              | ND          | ND              | ND          |
| 1,2-Dichlorobenzene         | ND                | ND              | ND          | ND              | ND          |
| bis(2-Chloroisopropyl)ether | ND                | ND              | ND          | ND              | ND          |
| 3&4-Methylphenol            | ND                | ND              | ND          | ND              | ND          |
| N-Nitrosopyrrolidine        | ND                | ND              | ND          | ND              | ND          |
| N-Nitrosodipropylamine      | ND                | ND              | ND          | ND              | ND          |
| o-Toluidine                 | ND                | ND              | ND          | ND              | ND          |
| Hexachloroethane            | ND                | ND              | ND          | ND              | ND          |
| Acetophenone                | ND                | ND              | ND          | ND              | ND          |
| Nitrobenzene                | ND                | ND              | ND          | ND              | ND          |
| N-Nitrosopiperidine         | ND                | ND              | ND          | ND              | ND          |
| Isophorone                  | ND                | ND              | ND          | ND              | ND          |
| 2-Nitrophenol               | ND                | ND              | ND          | ND              | ND          |
| 2,4-Dimethylphenol          | ND                | ND              | ND          | ND              | ND          |
| bis(2-Chloroethoxy)methane  | ND                | ND              | ND          | ND              | ND          |
| 2,4-Dichlorophenol          | ND                | ND              | ND          | ND              | ND          |
| 4-Chloroaniline             | ND                | ND              | ND          | ND              | ND          |
| 1,2,4-Trichlorobenzene      | ND                | ND              | ND          | ND              | ND          |
| Naphthalene                 | ND                | 79.94           | 0.44        | 104.39          | 0.62        |
| 2,6-Dichlorophenol          | ND                | ND              | ND          | ND              | ND          |
| Hexachloropropene           | ND                | ND              | ND          | ND              | ND          |
| Hexachlorobutadiene         | ND                | ND              | ND          | ND              | ND          |
| N-Nitrosodibutylamine       | ND                | ND              | ND          | ND              | ND          |
| 4-Chloro-3-methylphenol     | ND                | ND              | ND          | ND              | ND          |
| Safrole                     | ND                | ND              | ND          | ND              | ND          |
| 2-Methylnaphthalene         | ND                | 45.29           | 0.25        | 45.10           | 0.27        |
| 1,2,4,5-Tetrachlorobenzene  | ND                | ND              | ND          | ND              | ND          |
| 2,4,6-Trichlorophenol       | ND                | ND              | ND          | ND              | ND          |
| Hexachlorocyclopentadiene   | ND                | ND              | ND          | ND              | ND          |
| 2,4,5-Trichlorophenol       | ND                | ND              | ND          | ND              | ND          |
| 2-Nitroaniline              | ND                | ND              | ND          | ND              | ND          |
| Isosafrole                  | ND                | ND              | ND          | ND              | ND          |
| 2-Chloronaphthalene         | ND                | ND              | ND          | ND              | ND          |
| 1,4-Naphthoquinone          | ND                | ND              | ND          | ND              | ND          |
| Dimethyl phthalate          | ND                | ND              | ND          | ND              | ND          |
| 1,3-Dinitrobenzene          | ND                | ND              | ND          | ND              | ND          |
| 2,6-Dinitrotoluene          | ND                | ND              | ND          | ND              | ND          |
| 3-Nitroaniline              | ND                | ND              | ND          | ND              | ND          |
| Acenaphthylene              | ND                | 1.37            | 0.01        | U               | ND          |
| 2,4-Dinitrophenol           | ND                | ND              | ND          | ND              | ND          |
| 4-Nitrophenol               | ND                | ND              | ND          | ND              | ND          |
| Acenaphthene                | ND                | 1.70            | 0.01        | U               | 14.24       |
| 2,4-Dinitrotoluene          | ND                | ND              | ND          | ND              | 0.08        |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

|                      |                   |           |           |
|----------------------|-------------------|-----------|-----------|
| <b>Sample I.D.</b>   | 20567 Field Blank | 20568     | 20634     |
| <b>File I.D.</b>     | ENG2040.D         | ENG2041.D | ENG2069.D |
| <b>Date Sampled</b>  | 6/6/2001          | 6/6/2001  | 6/12/2001 |
| <b>Date Analyzed</b> | 6/22/2001         | 6/22/2001 | 6/28/2001 |

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-------------------------------|------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| 2-Naphthylamine               | ND                     | ND                     | ND                            | ND                     | ND                            |
| Dibenzofuran                  | ND                     | 1.97                   | 0.01                          | U                      | 10.35                         |
| Pentachlorobenzene            | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1-Naphthylamine               | ND                     | ND                     | ND                            | ND                     | ND                            |
| Diethyl phthalate             | ND                     | ND                     | ND                            | 22.28                  | 0.13                          |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Nitroaniline                | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                     | ND                            | ND                     | ND                            |
| Fluorene                      | ND                     | 2.38                   | 0.01                          | U                      | ND                            |
| 5-Nitro-o-toluidine           | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                     | ND                            | ND                     | ND                            |
| Diphenylamine                 | ND                     | ND                     | ND                            | ND                     | ND                            |
| Azobenzene                    | ND                     | ND                     | ND                            | ND                     | ND                            |
| Phenacetin                    | ND                     | ND                     | ND                            | ND                     | ND                            |
| Diallate                      | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Bromophenyl phenyl ether    | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Aminobiphenyl               | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobenzene             | ND                     | ND                     | ND                            | ND                     | ND                            |
| Pronamide                     | ND                     | ND                     | ND                            | ND                     | ND                            |
| Pentachlorophenol             | ND                     | ND                     | ND                            | ND                     | ND                            |
| Pentachloronitrobenzene       | ND                     | ND                     | ND                            | ND                     | ND                            |
| Phenanthrene                  | ND                     | 4.47                   | 0.02                          | U                      | 19.00                         |
| Dinoseb                       | ND                     | ND                     | ND                            | ND                     | ND                            |
| Anthracene                    | ND                     | ND                     | ND                            | ND                     | ND                            |
| Carbazole                     | ND                     | ND                     | ND                            | ND                     | ND                            |
| Di-n-butyl phthalate          | ND                     | 16.12                  | 0.09                          | 115.14                 | 0.68                          |
| Benzidine                     | ND                     | ND                     | ND                            | ND                     | ND                            |
| Isodrin                       | ND                     | ND                     | ND                            | ND                     | ND                            |
| Fluoranthene                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| Pyrene                        | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Dimethylaminoazobenzene     | ND                     | ND                     | ND                            | ND                     | ND                            |
| Chlorobenzilate               | ND                     | ND                     | ND                            | ND                     | ND                            |
| 3,3'-Dimethylbenzidine        | ND                     | ND                     | ND                            | ND                     | ND                            |
| Butyl benzyl phthalate        | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Acetylaminofluorene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| 3-Methylcholanthrene          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 3,3'-Dichlorobenzidine        | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                     | ND                     | ND                            | 5.20                   | 0.03                          |
| Benzo(a)anthracene            | ND                     | ND                     | ND                            | ND                     | ND                            |
| Chrysene                      | ND                     | ND                     | ND                            | ND                     | ND                            |
| Di-n-octyl phthalate          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                     | ND                            | ND                     | ND                            |
| Benzo(b)fluoranthene          | ND                     | ND                     | ND                            | ND                     | ND                            |
| Benzo(k)fluoranthene          | ND                     | ND                     | ND                            | ND                     | ND                            |
| Benzo(a)pyrene                | ND                     | ND                     | ND                            | ND                     | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                     | ND                            | ND                     | ND                            |
| Dibenz(a,h)anthracene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| Benzo(g,h,i)perylene          | ND                     | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| Sample I.D.                 | 21014                        |                         | 21059                        |                         | 21316                        |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2125.D                    |                         | VOID                         |                         | ENG2231.D                    |                         |
| Date Sampled                | 6/18/2001                    |                         | 6/24/2001                    |                         | 6/30/2001                    |                         |
| Date Analyzed               | 7/13/2001                    |                         | VOID                         |                         | 8/3/2001                     |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 169.6                   | Actual Vol (m <sup>3</sup> ) |                         | Actual Vol (m <sup>3</sup> ) | 179.4                   |
| Compound                    | Final Conc (ug)              | Final ug/m <sup>3</sup> | Final Conc (ug)              | Final ug/m <sup>3</sup> | Final Conc (ug)              | Final ug/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      |                              |                         | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      |                              |                         | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Phenol                      | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      |                              |                         | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Aniline                     | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 14.81                        | 0.09                    |                              |                         | 6.06                         | 0.03                    |
| Benzyl alcohol              | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      |                              |                         | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      |                              |                         | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      |                              |                         | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      |                              |                         | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      |                              |                         | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      |                              |                         | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Naphthalene                 | 113.95                       | 0.67                    |                              |                         | 75.81                        | 0.42                    |
| 2,6-Dichlorophenol          | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      |                              |                         | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Safrole                     | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2-Methylnaphthalene         | 58.53                        | 0.35                    |                              |                         | 60.74                        | 0.34                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Acenaphthylene              | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2,4-Dinitrophenol           | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Acenaphthene                | 11.56                        | 0.07                    |                              |                         | 29.15                        | 0.16                    |
| 2,4-Dinitrotoluene          | ND                           | ND                      |                              |                         | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| Sample I.D.                    | 21014                        |                         | 21059                        |                         | 21316                        |                         |
|--------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                      | ENG2125.D                    |                         | VOID                         |                         | ENG2231.D                    |                         |
| Date Sampled                   | 6/18/2001                    |                         | 6/24/2001                    |                         | 6/30/2001                    |                         |
| Date Analyzed                  | 7/13/2001                    |                         | VOID                         |                         | 8/3/2001                     |                         |
|                                | Actual Vol (m <sup>3</sup> ) | 169.6                   | Actual Vol (m <sup>3</sup> ) |                         | Actual Vol (m <sup>3</sup> ) | 179.4                   |
| Compound                       | Final Conc (ug)              | Final ug/m <sup>3</sup> | Final Conc (ug)              | Final ug/m <sup>3</sup> | Final Conc (ug)              | Final ug/m <sup>3</sup> |
| 2-Naphthylamine                | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Dibenzofuran                   | 12.69                        | 0.07                    |                              |                         | 25.00                        | 0.14                    |
| Pentachlorobenzene             | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 1-Naphthylamine                | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Diethyl phthalate              | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 4-Nitroaniline                 | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Fluorene                       | ND                           | ND                      |                              |                         | 21.90                        | 0.12                    |
| 5-Nitro-o-toluidine            | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Diphenylamine                  | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Azobenzene                     | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Phenacetin                     | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Diallate                       | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 4-Aminobiphenyl                | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Hexachlorobenzene              | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Pronamide                      | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Pentachlorophenol              | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Pentachloronitrobenzene        | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Phenanthrene                   | 20.38                        | 0.12                    |                              |                         | 49.09                        | 0.27                    |
| Dinoseb                        | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Anthracene                     | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Carbazole                      | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Di-n-butyl phthalate           | 206.27                       | 1.22                    |                              |                         | 86.56                        | 0.48                    |
| Benzidine                      | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Isodrin                        | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Fluoranthene                   | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Pyrene                         | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Chlorobenzilate                | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Butyl benzyl phthalate         | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 2-Acetylaminofluorene          | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 3-Methylcholanthrene           | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                      |                              |                         | ND                           | ND                      |
| bis(2-Ethylhexyl)phthalate     | 2.66                         | 0.02                    | U                            |                         | ND                           | ND                      |
| Benzo(a)anthracene             | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Chrysene                       | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Di-n-octyl phthalate           | ND                           | ND                      |                              |                         | ND                           | ND                      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Benzo(b)fluoranthene           | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Benzo(k)fluoranthene           | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Benzo(a)pyrene                 | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Dibenz(a,h)anthracene          | ND                           | ND                      |                              |                         | ND                           | ND                      |
| Benzo(g,h,i)perylene           | ND                           | ND                      |                              |                         | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)**  
**2001 Final Data Report**

| Sample I.D.   | 21317                        | 21517                        | 21669                        |
|---------------|------------------------------|------------------------------|------------------------------|
| File I.D.     | ENG2241.D                    | ENG2267.D                    | ENG2289.D                    |
| Date Sampled  | 7/6/2001                     | 7/12/2001                    | 7/18/2001                    |
| Date Analyzed | 8/4/2001                     | 8/10/2001                    | 8/17/2001                    |
|               | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) |
|               | 183.2                        | 166.9                        | 167.7                        |

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pyridine                    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Picoline                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenol                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pentachloroethane           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Aniline                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 20.33           | 0.11                    | 13.22           | 0.08                    | 18.69           | 0.11                    |
| Benzyl alcohol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| o-Tolidine                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloroethane            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acetophenone                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Nitrobenzene                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isophorone                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Naphthalene                 | 61.29           | 0.33                    | 59.57           | 0.36                    | 125.15          | 0.75                    |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloropropene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Safrole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 36.03           | 0.20                    | 36.93           | 0.22                    | 38.56           | 0.23                    |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isosafrole                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dintrobenzene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthylene              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthene                | 4.68            | 0.03                    | U               | 7.12                    | 0.04            | 2.88                    |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 21317                        | 21517                         |                              |                               | 21669                        |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2241.D                    | ENG2267.D                     |                              |                               | ENG2289.D                    |                               |      |
| <b>Date Sampled</b>           | 7/6/2001                     | 7/12/2001                     |                              |                               | 7/18/2001                    |                               |      |
| <b>Date Analyzed</b>          | 8/4/2001                     | 8/10/2001                     |                              |                               | 8/17/2001                    |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 183.2                         | Actual Vol (m <sup>3</sup> ) | 166.9                         | Actual Vol (m <sup>3</sup> ) | 167.7                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenzofuran                  | 4.28                         | 0.02                          | U                            | 6.10                          | 0.04                         | U                             | 3.82 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | 9.69                          | 0.06 |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluorene                      | 4.44                         | 0.02                          | U                            | 5.63                          | 0.03                         | U                             | 3.51 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenanthrene                  | 8.54                         | 0.05                          | U                            | 13.58                         | 0.08                         | 6.66                          | 0.04 |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-butyl phthalate          | 159.93                       | 0.87                          |                              | 49.35                         | 0.30                         | 130.30                        | 0.78 |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | 1.62                          | 0.01 |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

|                      |                              |                              |                              |
|----------------------|------------------------------|------------------------------|------------------------------|
| <b>Sample I.D.</b>   | 21751 -Blank                 | 21752                        | 21859                        |
| <b>File I.D.</b>     | ENG2303.D                    | ENG2304.D                    | VOID                         |
| <b>Date Sampled</b>  | 7/24/2001                    | 7/24/2001                    | 7/30/2001                    |
| <b>Date Analyzed</b> | 8/21/2001                    | 8/21/2001                    | VOID                         |
|                      | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) |
|                      |                              | 185.6                        |                              |

| <u>Compound</u>             | <u>Final Conc (µg)</u> | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> |
|-----------------------------|------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | ND                     | ND                            | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | ND                     | 6.62                   | 0.04                          | U                      |                               |
| Benzyl alcohol              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | ND                     | 80.59                  | 0.43                          |                        |                               |
| 2,6-Dichlorophenol          | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | ND                     | 60.59                  | 0.33                          |                        |                               |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | ND                     | 29.92                  | 0.16                          |                        |                               |
| 2,4-Dinitrotoluene          | ND                     | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 21751 -Blank                 | 21752                        | 21859                         |
|-------------------------------|------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>              | ENG2303.D                    | ENG2304.D                    | VOID                          |
| <b>Date Sampled</b>           | 7/24/2001                    | 7/24/2001                    | 7/30/2001                     |
| <b>Date Analyzed</b>          | 8/21/2001                    | 8/21/2001                    | VOID                          |
|                               | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine               | ND                           | ND                           | ND                            |
| Dibenzofuran                  | ND                           | 22.61                        | 0.12                          |
| Pentachlorobenzene            | ND                           | ND                           | ND                            |
| 1-Naphthylamine               | ND                           | ND                           | ND                            |
| Diethyl phthalate             | ND                           | 3.82                         | 0.02                          |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                           | ND                            |
| 4-Nitroaniline                | ND                           | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                           | ND                            |
| Fluorene                      | ND                           | 23.22                        | 0.13                          |
| 5-Nitro-o-toluidine           | ND                           | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                           | ND                            |
| Diphenylamine                 | ND                           | ND                           | ND                            |
| Azobenzene                    | ND                           | ND                           | ND                            |
| Phenacetin                    | ND                           | ND                           | ND                            |
| Diallate                      | ND                           | ND                           | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                           | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                           | ND                            |
| Hexachlorobenzene             | ND                           | ND                           | ND                            |
| Pronamide                     | ND                           | ND                           | ND                            |
| Pentachlorophenol             | ND                           | ND                           | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                           | ND                            |
| Phenanthrene                  | ND                           | 50.95                        | 0.27                          |
| Dinoseb                       | ND                           | ND                           | ND                            |
| Anthracene                    | ND                           | 1.12                         | 0.01                          |
| Carbazole                     | ND                           | ND                           | ND                            |
| Di-n-butyl phthalate          | ND                           | 116.57                       | 0.63                          |
| Benzidine                     | ND                           | ND                           | ND                            |
| Isodrin                       | ND                           | ND                           | ND                            |
| Fluoranthene                  | ND                           | 10.24                        | 0.06                          |
| Pyrene                        | ND                           | 4.93                         | 0.03                          |
| 4-Dimethylaminoazobenzene     | ND                           | ND                           | ND                            |
| Chlorobenzilate               | ND                           | ND                           | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                           | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                           | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                           | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                           | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | 2.24                         | 0.01                          |
| Benzo(a)anthracene            | ND                           | ND                           | ND                            |
| Chrysene                      | ND                           | ND                           | ND                            |
| Di-n-octyl phthalate          | ND                           | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                           | ND                            |
| Benzo(b)fluoranthene          | ND                           | ND                           | ND                            |
| Benzo(k)fluoranthene          | ND                           | ND                           | ND                            |
| Benzo(a)pyrene                | ND                           | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                           | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                           | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)**  
**2001 Final Data Report**

| Sample I.D.                 | 21982                        | 22130                   |                              | 22213                   |                              |       |      |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------|------|
| File I.D.                   | ENG2322.D                    | ENG2346.D               |                              | ENG2358.D               |                              |       |      |
| Date Sampled                | 8/5/2001                     | 8/11/2001               |                              | 8/17/2001               |                              |       |      |
| Date Analyzed               | 8/22/2001                    | 9/20/2001               |                              | 9/20/2001               |                              |       |      |
|                             | Actual Vol (m <sup>3</sup> ) | 171.0                   | Actual Vol (m <sup>3</sup> ) | 177.6                   | Actual Vol (m <sup>3</sup> ) |       |      |
| Compound                    | Final Conc (μg)              | Final μg/m <sup>3</sup> | Final Conc (μg)              | Final μg/m <sup>3</sup> | Final Conc (μg)              |       |      |
|                             |                              |                         |                              |                         | Final μg/m <sup>3</sup>      |       |      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 1,4-Dichlorobenzene         | 59.67                        | 0.35                    | 18.47                        | 0.10                    | 4.50                         | 0.03  |      |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| o-Tolidine                  | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Naphthalene                 | 173.08                       | 1.01                    | 93.05                        | 0.52                    | 44.99                        | 0.27  |      |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 2-Methylnaphthalene         | 88.58                        | 0.52                    | 27.67                        | 0.16                    | 42.09                        | 0.26  |      |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Acenaphthylene              | 0.86                         | 0.01                    | U                            | ND                      | ND                           | ND    |      |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |       |      |
| Acenaphthene                | 11.35                        | 0.07                    | 3.19                         | 0.02                    | U                            | 14.41 | 0.09 |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND    |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 21982                        | 22130                         |                              | 22213                         |                              |                               |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>              | ENG2322.D                    | ENG2346.D                     |                              | ENG2358.D                     |                              |                               |
| <b>Date Sampled</b>           | 8/5/2001                     | 8/11/2001                     |                              | 8/17/2001                     |                              |                               |
| <b>Date Analyzed</b>          | 8/22/2001                    | 9/20/2001                     |                              | 9/20/2001                     |                              |                               |
|                               | Actual Vol (m <sup>3</sup> ) | 171.0                         | Actual Vol (m <sup>3</sup> ) | 177.6                         | Actual Vol (m <sup>3</sup> ) | 165.0                         |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                  | 9.56                         | 0.06                          | 3.33                         | 0.02                          | U                            | 9.17                          |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate             | 9.68                         | 0.06                          | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluorene                      | 9.08                         | 0.05                          | U                            | 3.24                          | 0.02                         | U                             |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                  | 14.77                        | 0.09                          | 6.66                         | 0.04                          | U                            | 13.36                         |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate          | 86.80                        | 0.51                          | 122.76                       | 0.69                          | 122.77                       | 0.74                          |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                  | ND                           | ND                            | 1.05                         | 0.01                          | U                            | 1.87                          |
| Pyrene                        | 0.84                         | 0.005                         | U                            | ND                            | ND                           | 1.30                          |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 22395                        | <b>22610 -Blank</b>           | 22611                        |                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2370.D                    | ENG2383.D                     | ENG2384.D                    |                        |                               |
| <b>Date Sampled</b>         | 8/23/2001                    | 8/29/2001                     | 8/29/2001                    |                        |                               |
| <b>Date Analyzed</b>        | 9/22/2001                    | 9/23/2001                     | 9/23/2001                    |                        |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 184.7                         | Actual Vol (m <sup>3</sup> ) |                        |                               |
|                             |                              |                               | Actual Vol (m <sup>3</sup> ) |                        |                               |
|                             |                              |                               | 182.6                        |                        |                               |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                     | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                     | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                     | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                     | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                     | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 28.22                        | 0.15                          | ND                           | 53.86                  | 0.29                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                     | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                     | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                     | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                     | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                     | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                     | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                     | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                     | ND                            |
| Naphthalene                 | 110.84                       | 0.60                          | ND                           | 188.07                 | 1.03                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                     | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                     | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                     | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Methylnaphthalene         | 66.36                        | 0.36                          | ND                           | 85.89                  | 0.47                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                     | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                     | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                     | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                     | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                     | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                     | ND                            |
| Acenaphthene                | 5.35                         | 0.03                          | U                            | ND                     | 9.20                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                     | 0.05                          |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

|                      |                              |              |                              |
|----------------------|------------------------------|--------------|------------------------------|
| <b>Sample I.D.</b>   | 22395                        | 22610 -Blank | 22611                        |
| <b>File I.D.</b>     | ENG2370.D                    | ENG2383.D    | ENG2384.D                    |
| <b>Date Sampled</b>  | 8/23/2001                    | 8/29/2001    | 8/29/2001                    |
| <b>Date Analyzed</b> | 9/22/2001                    | 9/23/2001    | 9/23/2001                    |
|                      | Actual Vol (m <sup>3</sup> ) | 184.7        | Actual Vol (m <sup>3</sup> ) |
|                      |                              |              | Actual Vol (m <sup>3</sup> ) |
|                      |                              |              | 182.6                        |

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-------------------------------|------------------------|-------------------------------|------------------------|------------------------|-------------------------------|
| 2-Naphthylamine               | ND                     | ND                            | ND                     | ND                     | ND                            |
| Dibenzofuran                  | 5.36                   | 0.03                          | U                      | ND                     | 7.31                          |
| Pentachlorobenzene            | ND                     | ND                            | ND                     | ND                     | ND                            |
| 1-Naphthylamine               | ND                     | ND                            | ND                     | ND                     | ND                            |
| Diethyl phthalate             | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Nitroaniline                | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                            | ND                     | ND                     | ND                            |
| Fluorene                      | 5.13                   | 0.03                          | U                      | ND                     | 6.99                          |
| 5-Nitro-o-toluidine           | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                            | ND                     | ND                     | ND                            |
| Diphenylamine                 | ND                     | ND                            | ND                     | ND                     | ND                            |
| Azobenzene                    | ND                     | ND                            | ND                     | ND                     | ND                            |
| Phenacetin                    | ND                     | ND                            | ND                     | ND                     | ND                            |
| Diallate                      | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Bromophenyl phenyl ether    | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Aminobiphenyl               | ND                     | ND                            | ND                     | ND                     | ND                            |
| Hexachlorobenzene             | ND                     | ND                            | ND                     | ND                     | ND                            |
| Pronamide                     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Pentachlorophenol             | ND                     | ND                            | ND                     | ND                     | ND                            |
| Pentachloronitrobenzene       | ND                     | ND                            | ND                     | ND                     | ND                            |
| Phenanthrene                  | 11.42                  | 0.06                          | ND                     | 11.23                  | 0.06                          |
| Dinoseb                       | ND                     | ND                            | ND                     | ND                     | ND                            |
| Anthracene                    | ND                     | ND                            | ND                     | ND                     | ND                            |
| Carbazole                     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Di-n-butyl phthalate          | 47.16                  | 0.26                          | ND                     | 71.14                  | 0.39                          |
| Benzidine                     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Isodrin                       | ND                     | ND                            | ND                     | ND                     | ND                            |
| Fluoranthene                  | 2.27                   | 0.01                          | U                      | ND                     | 1.97                          |
| Pyrene                        | 1.51                   | 0.01                          | U                      | ND                     | 1.00                          |
| 4-Dimethylaminoazobenzene     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Chlorobenzilate               | ND                     | ND                            | ND                     | ND                     | ND                            |
| 3,3'-Dimethylbenzidine        | ND                     | ND                            | ND                     | ND                     | ND                            |
| Butyl benzyl phthalate        | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2-Acetylaminofluorene         | ND                     | ND                            | ND                     | ND                     | ND                            |
| 3-Methylcholanthrene          | ND                     | ND                            | ND                     | ND                     | ND                            |
| 3,3'-Dichlorobenzidine        | ND                     | ND                            | ND                     | ND                     | ND                            |
| bis(2-Ethylhexyl)phthalate    | 1.43                   | 0.01                          | U                      | ND                     | 0.91                          |
| Benzo(a)anthracene            | ND                     | ND                            | ND                     | ND                     | ND                            |
| Chrysene                      | ND                     | ND                            | ND                     | ND                     | ND                            |
| Di-n-octyl phthalate          | ND                     | ND                            | ND                     | ND                     | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(b)fluoranthene          | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(k)fluoranthene          | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(a)pyrene                | ND                     | ND                            | ND                     | ND                     | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                            | ND                     | ND                     | ND                            |
| Dibenz(a,h)anthracene         | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(g,h,i)perylene          | ND                     | ND                            | ND                     | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 22780                        | 22781                         | 22870                        |                               |                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2396.D                    | VOID                          | ENG2428.D                    |                               |                        |                               |
| <b>Date Sampled</b>         | 9/4/2001                     | 9/10/2001                     | 9/16/2001                    |                               |                        |                               |
| <b>Date Analyzed</b>        | 9/24/2001                    | VOID                          | 10/2/2001                    |                               |                        |                               |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  | Actual Vol (m <sup>3</sup> ) |                               |                        |                               |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Pyridine                    | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2-Picoline                  | ND                           | ND                            |                              |                               | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Phenol                      | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Pentachloroethane           | ND                           | ND                            |                              |                               | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Aniline                     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2-Chlorophenol              | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 1,4-Dichlorobenzene         | ND                           | ND                            |                              |                               | 57.71                  | 0.29                          |
| Benzyl alcohol              | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2-Methylphenol              | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            |                              |                               | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            |                              |                               | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            |                              |                               | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            |                              |                               | ND                     | ND                            |
| o-Toluidine                 | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Hexachloroethane            | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Acetophenone                | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Nitrobenzene                | ND                           | ND                            |                              |                               | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Isophorone                  | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2-Nitrophenol               | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            |                              |                               | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4-Chloroaniline             | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Naphthalene                 | 24.15                        | 0.13                          |                              |                               | 155.96                 | 0.79                          |
| 2,6-Dichlorophenol          | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Hexachloropropene           | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            |                              |                               | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Safrole                     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2-Methylnaphthalene         | 14.30                        | 0.08                          |                              |                               | 80.25                  | 0.41                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2-Nitroaniline              | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Isosafrole                  | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Dimethyl phthalate          | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 3-Nitroaniline              | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Acenaphthylene              | ND                           | ND                            |                              |                               | 1.36                   | 0.01                          |
| 2,4-Dinitrophenol           | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4-Nitrophenol               | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Acenaphthene                | 1.56                         | 0.01                          | U                            |                               | 10.33                  | 0.05                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            |                              |                               | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 22780                        | 22781                         | 22870                        |                               |                        |                               |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------|-------------------------------|
| <b>File I.D.</b>              | ENG2396.D                    | VOID                          | ENG2428.D                    |                               |                        |                               |
| <b>Date Sampled</b>           | 9/4/2001                     | 9/10/2001                     | 9/16/2001                    |                               |                        |                               |
| <b>Date Analyzed</b>          | 9/24/2001                    | VOID                          | 10/2/2001                    |                               |                        |                               |
|                               | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  | Actual Vol (m <sup>3</sup> ) |                               |                        |                               |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine               | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Dibenzofuran                  | 1.54                         | 0.01                          | U                            |                               | 8.58                   | 0.04                          |
| Pentachlorobenzene            | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 1-Naphthylamine               | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Diethyl phthalate             | 6.13                         | 0.03                          | U                            |                               | ND                     | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4-Nitroaniline                | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Fluorene                      | 1.48                         | 0.01                          | U                            |                               | 7.81                   | 0.04                          |
| 5-Nitro-o-toluidine           | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Diphenylamine                 | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Azobenzene                    | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Phenacetin                    | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Diallate                      | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Hexachlorobenzene             | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Pronamide                     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Pentachlorophenol             | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Phenanthrene                  | 3.45                         | 0.02                          | U                            |                               | 10.57                  | 0.05                          |
| Dinoseb                       | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Anthracene                    | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Carbazole                     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Di-n-butyl phthalate          | 39.44                        | 0.22                          |                              |                               | 32.32                  | 0.16                          |
| Benzidine                     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Isodrin                       | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Fluoranthene                  | ND                           | ND                            |                              |                               | 4.20                   | 0.02                          |
| Pyrene                        | ND                           | ND                            |                              |                               | 0.59                   | 0.003                         |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Chlorobenzilate               | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            |                              |                               | ND                     | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            |                              |                               | 0.98                   | 0.005                         |
| Benzo(a)anthracene            | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Chrysene                      | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Di-n-octyl phthalate          | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Benzo(b)fluoranthene          | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Benzo(k)fluoranthene          | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Benzo(a)pyrene                | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                            |                              |                               | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| Sample I.D.                 | 23040                        |                         | 23156                        |                         | 23227                        |                         |      |      |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------|------|
| File I.D.                   | ENG2456.D                    |                         | ENG2458.D                    |                         | ENG2531.D                    |                         |      |      |
| Date Sampled                | 9/22/2001                    |                         | 9/28/2001                    |                         | 10/4/2001                    |                         |      |      |
| Date Analyzed               | 10/19/2001                   |                         | 10/19/2001                   |                         | 11/28/2001                   |                         |      |      |
|                             | Actual Vol (m <sup>3</sup> ) | 184.2                   | Actual Vol (m <sup>3</sup> ) | 230.5                   | Actual Vol (m <sup>3</sup> ) | 181.2                   |      |      |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |      |      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |      |
| 1,4-Dichlorobenzene         | 9.80                         | 0.05                    | U                            | 13.68                   | 0.06                         | 9.83                    | 0.05 | U    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Naphthalene                 | 59.17                        | 0.32                    |                              | 45.49                   | 0.20                         | 53.41                   | 0.29 |      |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 2-Methylnaphthalene         | 38.69                        | 0.21                    |                              | 29.92                   | 0.13                         | 35.31                   | 0.19 |      |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Acenaphthylene              | 0.61                         | 0.003                   | U                            | ND                      | ND                           | ND                      | ND   |      |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   |      |
| Acenaphthene                | 7.65                         | 0.04                    |                              | 2.30                    | 0.01                         | U                       | 6.88 | 0.04 |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND   | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 23040                        | 23156                         |                              |                               | 23227                        |                               |       |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>              | ENG2456.D                    | ENG2458.D                     |                              |                               | ENG2531.D                    |                               |       |
| <b>Date Sampled</b>           | 9/22/2001                    | 9/28/2001                     |                              |                               | 10/4/2001                    |                               |       |
| <b>Date Analyzed</b>          | 10/19/2001                   | 10/19/2001                    |                              |                               | 11/28/2001                   |                               |       |
|                               | Actual Vol (m <sup>3</sup> ) | 184.2                         | Actual Vol (m <sup>3</sup> ) | 230.5                         | Actual Vol (m <sup>3</sup> ) | 181.2                         |       |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                  | 5.31                         | 0.03                          | U                            | 1.78                          | 0.01                         | U                             | 5.47  |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                      | 4.44                         | 0.02                          | U                            | 1.89                          | 0.01                         | U                             | 5.55  |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                  | 8.48                         | 0.05                          | U                            | 3.82                          | 0.02                         | U                             | 9.82  |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate          | 27.17                        | 0.15                          |                              | 17.39                         | 0.08                         |                               | 17.89 |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                  | 1.18                         | 0.01                          | U                            | ND                            | ND                           | 1.32                          | 0.01  |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>   | 23375                        | <b>Sample I.D.</b>   | 23450                        | <b>Sample I.D.</b>   | 23574                        |
|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|
| <b>File I.D.</b>     | ENG2537.D                    | <b>File I.D.</b>     | ENG2560.D                    | <b>File I.D.</b>     | ENG2575.D                    |
| <b>Date Sampled</b>  | 10/10/2001                   | <b>Date Sampled</b>  | 10/16/2001                   | <b>Date Sampled</b>  | 10/22/2001                   |
| <b>Date Analyzed</b> | 11/28/2001                   | <b>Date Analyzed</b> | 11/29/2001                   | <b>Date Analyzed</b> | 11/29/2001                   |
|                      | Actual Vol (m <sup>3</sup> ) | 184.2                | Actual Vol (m <sup>3</sup> ) | 208.5                | Actual Vol (m <sup>3</sup> ) |
|                      |                              |                      |                              |                      | 190.6                        |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 7.69                   | 0.04                          | U                      | 13.27                         | 0.06                   | 56.86                         |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | 61.41                  | 0.33                          | 68.53                  | 0.33                          | 175.49                 | 0.92                          |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 38.30                  | 0.21                          | 26.42                  | 0.13                          | 80.45                  | 0.42                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                     | ND                            | ND                     | ND                            | 1.59                   | 0.01                          |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | 7.41                   | 0.04                          | 2.27                   | 0.01                          | U                      | 5.33                          |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 23375                        | 23450                         |                              |                               | 23574                        |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2537.D                    | ENG2560.D                     |                              |                               | ENG2575.D                    |                               |      |
| <b>Date Sampled</b>           | 10/10/2001                   | 10/16/2001                    |                              |                               | 10/22/2001                   |                               |      |
| <b>Date Analyzed</b>          | 11/28/2001                   | 11/29/2001                    |                              |                               | 11/29/2001                   |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 184.2                         | Actual Vol (m <sup>3</sup> ) | 208.5                         | Actual Vol (m <sup>3</sup> ) | 190.6                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenzofuran                  | 6.44                         | 0.03                          | U                            | 1.76                          | 0.01                         | U                             | 5.04 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluorene                      | 5.93                         | 0.03                          | U                            | 1.54                          | 0.01                         | U                             | 4.52 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenanthrene                  | 10.49                        | 0.06                          |                              | 3.54                          | 0.02                         | U                             | 8.16 |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-butyl phthalate          | 27.86                        | 0.15                          |                              | ND                            | ND                           | 13.29                         | 0.07 |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluoranthene                  | 1.44                         | 0.01                          | U                            | ND                            | ND                           | ND                            | ND   |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 23667                        | 23855                         |                              | 23938                         |                               |       |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|-------|
| <b>File I.D.</b>            | ENG2616.D                    | ENG2634.D                     |                              | ENG2645.D                     |                               |       |
| <b>Date Sampled</b>         | 10/28/2001                   | 11/3/2001                     |                              | 11/9/2001                     |                               |       |
| <b>Date Analyzed</b>        | 12/11/2001                   | 12/12/2001                    |                              | 12/13/2001                    |                               |       |
|                             | Actual Vol (m <sup>3</sup> ) | 232.0                         | Actual Vol (m <sup>3</sup> ) | 183.6                         | Actual Vol (m <sup>3</sup> )  |       |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>        |       |
|                             |                              |                               |                              |                               | <b>Final µg/m<sup>3</sup></b> |       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Phenol                      | 23.02                        | 0.10                          | 22.07                        | 0.12                          | U                             | 25.97 |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1,4-Dichlorobenzene         | 11.75                        | 0.05                          | 14.68                        | 0.08                          | 9.06                          | 0.05  |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| o-Tolidine                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Naphthalene                 | 46.14                        | 0.20                          | 86.05                        | 0.47                          | 39.90                         | 0.24  |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Methylnaphthalene         | 29.40                        | 0.13                          | 60.86                        | 0.33                          | 30.24                         | 0.18  |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Acenaphthylene              | ND                           | ND                            | 1.92                         | 0.01                          | U                             | 0.82  |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Acenaphthene                | 2.06                         | 0.01                          | U                            | 11.14                         | 0.06                          | 3.99  |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 23667                        | 23855                         |                              |                               | 23938                        |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2616.D                    | ENG2634.D                     |                              |                               | ENG2645.D                    |                               |      |
| <b>Date Sampled</b>           | 10/28/2001                   | 11/3/2001                     |                              |                               | 11/9/2001                    |                               |      |
| <b>Date Analyzed</b>          | 12/11/2001                   | 12/12/2001                    |                              |                               | 12/13/2001                   |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 232.0                         | Actual Vol (m <sup>3</sup> ) | 183.6                         | Actual Vol (m <sup>3</sup> ) | 168.5                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenzofuran                  | 2.21                         | 0.01                          | U                            | 8.19                          | 0.04                         | U                             | 3.40 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluorene                      | 2.89                         | 0.01                          | U                            | 7.79                          | 0.04                         | U                             | 3.63 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenanthrene                  | 4.44                         | 0.02                          | U                            | 12.63                         | 0.07                         | 7.42                          | 0.04 |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-butyl phthalate          | 9.64                         | 0.04                          | U                            | 18.10                         | 0.10                         | ND                            | ND   |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluoranthene                  | ND                           | ND                            | 1.23                         | 0.01                          | U                            | 0.93                          | 0.01 |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)**  
**2001 Final Data Report**

| Sample I.D.                 | 24040                        | 24170                        | 24235                        |                         |                 |                         |
|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------|-----------------|-------------------------|
| File I.D.                   | ENG2663.D                    | ENG2684.D                    | ENG2709.D                    |                         |                 |                         |
| Date Sampled                | 11/15/2001                   | 11/21/2001                   | 11/27/2001                   |                         |                 |                         |
| Date Analyzed               | 12/17/2001                   | 12/18/2001                   | 1/10/2002                    |                         |                 |                         |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) |                         |                 |                         |
|                             | 202.4                        | 247.4                        | 232.2                        |                         |                 |                         |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup>      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Pyridine                    | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Picoline                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Phenol                      | 36.72                        | 0.18                         | 70.12                        | 0.28                    | 28.21           | 0.12                    |
| Pentachloroethane           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Aniline                     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 14.36                        | 0.07                         | 8.24                         | 0.03                    | U               | 9.94                    |
| Benzyl alcohol              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND                           | ND                           | 8.43                         | 0.03                    | U               | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND                           | ND                           | 10.01                        | 0.04                    | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| o-Toluidine                 | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachloroethane            | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Acetophenone                | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Nitrobenzene                | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Isophorone                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Naphthalene                 | 70.99                        | 0.35                         | 70.53                        | 0.29                    | 65.41           | 0.28                    |
| 2,6-Dichlorophenol          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachloropropene           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Safrole                     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 47.56                        | 0.24                         | 50.94                        | 0.21                    | 36.80           | 0.16                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Isosafrole                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Acenaphthylene              | 1.43                         | 0.01                         | U                            | 1.84                    | 0.01            | U                       |
| 2,4-Dinitrophenol           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Acenaphthene                | 6.39                         | 0.03                         | 5.00                         | 0.02                    | U               | 3.51                    |
| 2,4-Dinitrotoluene          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 24040                        | 24170                         |                              |                               | 24235                        |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2663.D                    | ENG2684.D                     |                              |                               | ENG2709.D                    |                               |      |
| <b>Date Sampled</b>           | 11/15/2001                   | 11/21/2001                    |                              |                               | 11/27/2001                   |                               |      |
| <b>Date Analyzed</b>          | 12/17/2001                   | 12/18/2001                    |                              |                               | 1/10/2002                    |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 202.4                         | Actual Vol (m <sup>3</sup> ) | 247.4                         | Actual Vol (m <sup>3</sup> ) | 232.2                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenzofuran                  | 6.26                         | 0.03                          | U                            | 5.49                          | 0.02                         | U                             | 3.88 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluorene                      | 5.83                         | 0.03                          | U                            | 4.79                          | 0.02                         | U                             | 3.78 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenanthrene                  | 13.31                        | 0.07                          | 13.34                        | 0.05                          | 6.91                         | 0.03                          | U    |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Anthracene                    | ND                           | ND                            | 1.23                         | 0.005                         | U                            | ND                            | ND   |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-butyl phthalate          | 20.17                        | 0.10                          | ND                           | ND                            | 10.08                        | 0.04                          | U    |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluoranthene                  | 1.73                         | 0.01                          | U                            | 1.96                          | 0.01                         | U                             | 1.10 |
| Pyrene                        | 2.61                         | 0.01                          | U                            | 2.36                          | 0.01                         | U                             | 0.85 |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | 1.87                         | 0.01                          | U    |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)**  
**2001 Final Data Report**

| Sample I.D.   | 24381                        | Sample I.D.   | 24542                        | Sample I.D.   | 24634                        |
|---------------|------------------------------|---------------|------------------------------|---------------|------------------------------|
| File I.D.     | ENG2734.D                    | File I.D.     | ENG2752.D                    | File I.D.     | ENG2770.D                    |
| Date Sampled  | 12/3/2001                    | Date Sampled  | 12/9/2001                    | Date Sampled  | 12/15/2001                   |
| Date Analyzed | 1/15/2002                    | Date Analyzed | 1/16/2002                    | Date Analyzed | 1/16/2002                    |
|               | Actual Vol (m <sup>3</sup> ) | 183.6         | Actual Vol (m <sup>3</sup> ) | 232.4         | Actual Vol (m <sup>3</sup> ) |
|               |                              |               |                              |               | 209.5                        |

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pyridine                    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Picoline                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenol                      | 32.59           | 0.18                    | 18.89           | 0.08                    | U               | 34.37                   |
| Pentachloroethane           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Aniline                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 7.16            | 0.04                    | U               | 15.65                   | 0.07            | 25.89                   |
| Benzyl alcohol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | 2.76            | 0.02                    | U               | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| o-Tolidine                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloroethane            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acetophenone                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Nitrobenzene                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isophorone                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Naphthalene                 | 56.31           | 0.31                    | 59.06           | 0.25                    | 146.34          | 0.70                    |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloropropene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Safrole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 46.94           | 0.26                    | 42.14           | 0.18                    | 44.25           | 0.21                    |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isosafrole                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dinitrobenzene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthylene              | 2.07            | 0.01                    | U               | 1.42                    | 0.01            | U                       |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthene                | 4.26            | 0.02                    | U               | 2.61                    | 0.01            | U                       |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 24381                        | 24542                         |                              |                               | 24634                        |                               |       |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>              | ENG2734.D                    | ENG2752.D                     |                              |                               | ENG2770.D                    |                               |       |
| <b>Date Sampled</b>           | 12/3/2001                    | 12/9/2001                     |                              |                               | 12/15/2001                   |                               |       |
| <b>Date Analyzed</b>          | 1/15/2002                    | 1/16/2002                     |                              |                               | 1/16/2002                    |                               |       |
|                               | Actual Vol (m <sup>3</sup> ) | 183.6                         | Actual Vol (m <sup>3</sup> ) | 232.4                         | Actual Vol (m <sup>3</sup> ) | 209.5                         |       |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Dibenzofuran                  | 4.53                         | 0.02                          | U                            | 2.87                          | 0.01                         | U                             | 2.57  |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Fluorene                      | 4.38                         | 0.02                          | U                            | 3.57                          | 0.02                         | U                             | 2.85  |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Phenanthrene                  | 8.93                         | 0.05                          | U                            | 6.79                          | 0.03                         | U                             | 7.10  |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Anthracene                    | 0.73                         | 0.004                         | U                            | ND                            | ND                           | 0.66                          | 0.003 |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Di-n-butyl phthalate          | 15.83                        | 0.09                          |                              | ND                            | ND                           | 8.05                          | 0.04  |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Fluoranthene                  | 1.14                         | 0.01                          | U                            | ND                            | ND                           | 1.13                          | 0.01  |
| Pyrene                        | 1.26                         | 0.01                          | U                            | ND                            | ND                           | 0.87                          | 0.004 |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND    |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 24767                        |                               | 24960                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2782.D                    |                               | ENG2798.D                    |                               |
| <b>Date Sampled</b>         | 12/21/2001                   |                               | 12/27/2001                   |                               |
| <b>Date Analyzed</b>        | 1/17/2002                    |                               | 1/17/2002                    |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 231.1                         | Actual Vol (m <sup>3</sup> ) | 276.1                         |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | 25.35                        | 0.11                          | 44.37                        | 0.16                          |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 28.25                        | 0.12                          | 4.12                         | 0.01                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | 2.85                         | 0.01                          |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 137.69                       | 0.60                          | 33.86                        | 0.12                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 82.82                        | 0.36                          | 25.11                        | 0.09                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | 3.10                         | 0.01                          | U                            | 0.63                          |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 2.42                         | 0.01                          | U                            | 2.68                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 24767                        |                               | 24960                        |                               |       |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>               | ENG2782.D                    |                               | ENG2798.D                    |                               |       |
| <b>Date Sampled</b>            | 12/21/2001                   |                               | 12/27/2001                   |                               |       |
| <b>Date Analyzed</b>           | 1/17/2002                    |                               | 1/17/2002                    |                               |       |
|                                | Actual Vol (m <sup>3</sup> ) | 231.1                         | Actual Vol (m <sup>3</sup> ) | 276.1                         |       |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                   | 2.54                         | 0.01                          | U                            | 3.03                          | 0.01  |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            |       |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                       | 3.66                         | 0.02                          | U                            | 2.15                          | 0.01  |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                       | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                   | 6.03                         | 0.03                          | U                            | 4.19                          | 0.02  |
| Dinoceb                        | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            |       |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                   | 0.93                         | 0.004                         | U                            | 0.81                          | 0.003 |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            |       |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 21273                        | 21312                         |                              | 21525                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2120.D                    | ENG2226.D                     |                              | ENG2284.D                     |                              |
| <b>Date Sampled</b>         | 6/30/2001                    | 7/6/2001                      |                              | 7/12/2001                     |                              |
| <b>Date Analyzed</b>        | 7/11/2001                    | 8/3/2001                      |                              | 8/17/2001                     |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 162.9                         | Actual Vol (m <sup>3</sup> ) | 181.7                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 21.56                        | 0.13                          | 21.36                        | 0.12                          | 23.01                        |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 50.45                        | 0.31                          | 30.99                        | 0.17                          | 40.38                        |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 33.21                        | 0.20                          | 13.95                        | 0.08                          | 23.81                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 13.90                        | 0.09                          | 3.11                         | 0.02                          | U                            |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
|                             |                              |                               |                              |                               | 4.36                         |
|                             |                              |                               |                              |                               | 0.02                         |
|                             |                              |                               |                              |                               | U                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 21273                        | 21312                         |                              | 21525                         |                              |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>               | ENG2120.D                    | ENG2226.D                     |                              | ENG2284.D                     |                              |
| <b>Date Sampled</b>            | 6/30/2001                    | 7/6/2001                      |                              | 7/12/2001                     |                              |
| <b>Date Analyzed</b>           | 7/11/2001                    | 8/3/2001                      |                              | 8/17/2001                     |                              |
|                                | Actual Vol (m <sup>3</sup> ) | 162.9                         | Actual Vol (m <sup>3</sup> ) | 181.7                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dibenzofuran                   | 13.58                        | 0.08                          | 2.66                         | 0.01                          | U                            |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Diethyl phthalate              | 62.49                        | 0.38                          | ND                           | ND                            | 127.74                       |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Fluorene                       | 11.70                        | 0.07                          | 2.78                         | 0.02                          | U                            |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenanthrene                   | 24.29                        | 0.15                          | 6.12                         | 0.03                          | U                            |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| Sample I.D.                 | 21631                        |                               | 21749                        |                               | 21917                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                   | ENG2294.D                    |                               | ENG2299.D                    |                               | ENG2311.D                    |                               |
| Date Sampled                | 7/18/2001                    |                               | 7/24/2001                    |                               | 7/30/2001                    |                               |
| Date Analyzed               | 8/18/2001                    |                               | 8/18/2001                    |                               | 8/21/2001                    |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 183.2                         | Actual Vol (m <sup>3</sup> ) | 174.3                         | Actual Vol (m <sup>3</sup> ) | 170.5                         |
| <u>Compound</u>             | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 47.23                        | 0.26                          | 17.72                        | 0.10                          | 35.46                        | 0.21                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 47.01                        | 0.26                          | 81.44                        | 0.47                          | 37.01                        | 0.22                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 28.35                        | 0.15                          | 68.33                        | 0.39                          | 20.37                        | 0.12                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 4.54                         | 0.02                          | U                            | 32.74                         | 0.19                         | 3.90                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 21631                        | 21749                         |                              |                               | 21917                        |                               |        |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|--------|
| <b>File I.D.</b>               | ENG2294.D                    | ENG2299.D                     |                              |                               | ENG2311.D                    |                               |        |
| <b>Date Sampled</b>            | 7/18/2001                    | 7/24/2001                     |                              |                               | 7/30/2001                    |                               |        |
| <b>Date Analyzed</b>           | 8/18/2001                    | 8/18/2001                     |                              |                               | 8/21/2001                    |                               |        |
|                                | Actual Vol (m <sup>3</sup> ) | 183.2                         | Actual Vol (m <sup>3</sup> ) | 174.3                         | Actual Vol (m <sup>3</sup> ) | 170.5                         |        |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |        |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Dibenzofuran                   | 4.82                         | 0.03                          | U                            | 29.15                         | 0.17                         | 3.45                          | 0.02 U |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Diethyl phthalate              | 4.54                         | 0.02                          | U                            | 15.31                         | 0.09                         | ND                            | ND     |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Fluorene                       | ND                           | ND                            | 29.24                        | 0.17                          | 3.23                         | 0.02                          | U      |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Phenanthrene                   | 8.58                         | 0.05                          | U                            | 58.87                         | 0.34                         | 6.71                          | 0.04 U |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Fluoranthene                   | ND                           | ND                            | 6.05                         | 0.03                          | U                            | 1.38                          | 0.01 U |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | 0.68                         | 0.004                         | U      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | 2.41                         | 0.01                          | U                            | 0.98                          | 0.01 U |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 22024                        | 22089                         |                              | 22294                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2332.D                    | ENG2342.D                     |                              | ENG2349.D                     |                              |
| <b>Date Sampled</b>         | 8/5/2001                     | 8/11/2001                     |                              | 8/17/2001                     |                              |
| <b>Date Analyzed</b>        | 8/22/2001                    | 9/20/2001                     |                              | 9/20/2001                     |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 166.3                         | Actual Vol (m <sup>3</sup> ) | 113.9                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 43.09                        | 0.26                          | 62.54                        | 0.55                          | 12.69                        |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 72.80                        | 0.44                          | 49.30                        | 0.43                          | 46.31                        |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 36.07                        | 0.22                          | 20.57                        | 0.18                          | 36.87                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 7.40                         | 0.04                          | 3.22                         | 0.03                          | U                            |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 22024                        | 22089                         |                              |                               | 22294                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2332.D                    | ENG2342.D                     |                              |                               | ENG2349.D                    |                               |      |
| <b>Date Sampled</b>            | 8/5/2001                     | 8/11/2001                     |                              |                               | 8/17/2001                    |                               |      |
| <b>Date Analyzed</b>           | 8/22/2001                    | 9/20/2001                     |                              |                               | 9/20/2001                    |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 166.3                         | Actual Vol (m <sup>3</sup> ) | 113.9                         | Actual Vol (m <sup>3</sup> ) | 143.2                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 7.55                         | 0.05                          | U                            | 4.02                          | 0.04                         | U                             | 7.21 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | 10.88                        | 0.07                          | 12.48                        | 0.11                          | 46.12                        | 0.32                          |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 7.19                         | 0.04                          | U                            | 3.22                          | 0.03                         | U                             | 6.31 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 13.07                        | 0.08                          | 8.01                         | 0.07                          | U                            | 13.86                         | 0.10 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | 0.92                         | 0.01                          | U    |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | 2.07                         | 0.01                          | U                            | 0.82                          | 0.01                         | U                             | 1.52 |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | 0.97                         | 0.01                          | U    |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | 1.44                         | 0.01                          | U                            | ND                            | ND                           | ND                            | ND   |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 22453                        | 22566                         |                              | 22705                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2371.D                    | ENG2374.D                     |                              | ENG2405.D                     |                              |
| <b>Date Sampled</b>         | 8/23/2001                    | 8/29/2001                     |                              | 9/4/2001                      |                              |
| <b>Date Analyzed</b>        | 9/22/2001                    | 9/22/2001                     |                              | 10/1/2001                     |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 167.7                         | Actual Vol (m <sup>3</sup> ) | 176.9                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 59.48                        | 0.35                          | 43.05                        | 0.24                          | 16.03                        |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 98.24                        | 0.59                          | 43.23                        | 0.24                          | 33.25                        |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 51.61                        | 0.31                          | 21.16                        | 0.12                          | 17.83                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 7.83                         | 0.05                          | 3.12                         | 0.02                          | U                            |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 22453                        | 22566                         |                              |                               | 22705                        |                               |       |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>               | ENG2371.D                    | ENG2374.D                     |                              |                               | ENG2405.D                    |                               |       |
| <b>Date Sampled</b>            | 8/23/2001                    | 8/29/2001                     |                              |                               | 9/4/2001                     |                               |       |
| <b>Date Analyzed</b>           | 9/22/2001                    | 9/22/2001                     |                              |                               | 10/1/2001                    |                               |       |
|                                | Actual Vol (m <sup>3</sup> ) | 167.7                         | Actual Vol (m <sup>3</sup> ) | 176.9                         | Actual Vol (m <sup>3</sup> ) | 151.8                         |       |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                   | 8.32                         | 0.05                          | U                            | 3.51                          | 0.02                         | U                             | 3.30  |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate              | 87.66                        | 0.52                          |                              | 103.61                        | 0.59                         |                               | 20.45 |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                       | 7.72                         | 0.05                          | U                            | 2.91                          | 0.02                         | U                             | 2.37  |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                   | 14.15                        | 0.08                          |                              | 5.92                          | 0.03                         | U                             | 5.40  |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                   | 1.52                         | 0.01                          | U                            | 0.84                          | 0.005                        | U                             | 0.56  |
| Pyrene                         | 0.98                         | 0.01                          | U                            | ND                            | ND                           | ND                            | 0.004 |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 22739                        | 22878                         |                              | 23132                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2410.D                    | ENG2433.D                     |                              | ENG2440.D                     |                              |
| <b>Date Sampled</b>         | 9/10/2001                    | 9/16/2001                     |                              | 9/22/2001                     |                              |
| <b>Date Analyzed</b>        | 10/1/2001                    | 10/2/2001                     |                              | 10/18/2001                    |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 148.6                         | Actual Vol (m <sup>3</sup> ) | 171.9                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 17.72                        | 0.12                          | 75.46                        | 0.44                          | 31.92                        |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 38.97                        | 0.26                          | 61.03                        | 0.36                          | 49.66                        |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 23.98                        | 0.16                          | 26.50                        | 0.15                          | 25.91                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | 0.52                         | 0.004                         | U                            | 0.56                          | 0.003                        |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 4.75                         | 0.03                          | U                            | 2.48                          | 0.01                         |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 22739                        | 22878                         |                              |                               | 23132                        |                               |       |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>               | ENG2410.D                    | ENG2433.D                     |                              |                               | ENG2440.D                    |                               |       |
| <b>Date Sampled</b>            | 9/10/2001                    | 9/16/2001                     |                              |                               | 9/22/2001                    |                               |       |
| <b>Date Analyzed</b>           | 10/1/2001                    | 10/2/2001                     |                              |                               | 10/18/2001                   |                               |       |
|                                | Actual Vol (m <sup>3</sup> ) | 148.6                         | Actual Vol (m <sup>3</sup> ) | 171.9                         | Actual Vol (m <sup>3</sup> ) | 186.0                         |       |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                   | 4.86                         | 0.03                          | U                            | 3.03                          | 0.02                         | U                             | 4.21  |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate              | 7.87                         | 0.05                          |                              | ND                            | ND                           | 23.65                         | 0.13  |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                       | 4.48                         | 0.03                          | U                            | 2.74                          | 0.02                         | U                             | 3.73  |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                   | 10.22                        | 0.07                          | U                            | 5.06                          | 0.03                         | U                             | 7.68  |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                   | 1.41                         | 0.01                          | U                            | 1.18                          | 0.01                         | U                             | 0.92  |
| Pyrene                         | 0.75                         | 0.01                          | U                            | ND                            | ND                           | 0.63                          | 0.003 |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| Sample I.D.                 | 23187                        |                               | 23318                        |                               | 23432                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                   | ENG2467.D                    |                               | ENG2521.D                    |                               | ENG2541.D                    |                               |
| Date Sampled                | 9/28/2001                    |                               | 10/4/2001                    |                               | 10/10/2001                   |                               |
| Date Analyzed               | 10/19/2001                   |                               | 11/27/2001                   |                               | 11/28/2001                   |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 181.0                         | Actual Vol (m <sup>3</sup> ) | 177.7                         | Actual Vol (m <sup>3</sup> ) | 167.3                         |
| <u>Compound</u>             | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 24.04                        | 0.13                          | 32.34                        | 0.18                          | 20.58                        | 0.12                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 28.98                        | 0.16                          | 86.58                        | 0.49                          | 62.73                        | 0.37                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 12.22                        | 0.07                          | 55.44                        | 0.31                          | 36.00                        | 0.22                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 0.90                         | 0.005                         | U                            | 13.27                         | 0.07                         | 7.00                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 23187                        | 23318                         |                              |                               | 23432                        |                               |        |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|--------|
| <b>File I.D.</b>               | ENG2467.D                    | ENG2521.D                     |                              |                               | ENG2541.D                    |                               |        |
| <b>Date Sampled</b>            | 9/28/2001                    | 10/4/2001                     |                              |                               | 10/10/2001                   |                               |        |
| <b>Date Analyzed</b>           | 10/19/2001                   | 11/27/2001                    |                              |                               | 11/28/2001                   |                               |        |
|                                | Actual Vol (m <sup>3</sup> ) | 181.0                         | Actual Vol (m <sup>3</sup> ) | 177.7                         | Actual Vol (m <sup>3</sup> ) | 167.3                         |        |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |        |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Dibenzofuran                   | 0.88                         | 0.005                         | U                            | 12.03                         | 0.07                         | 5.24                          | 0.03 U |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Diethyl phthalate              | 57.13                        | 0.32                          | 246.50                       | 1.39                          | 119.74                       | 0.72                          |        |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Fluorene                       | 0.91                         | 0.01                          | U                            | 10.70                         | 0.06                         | 5.51                          | 0.03 U |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Phenanthrene                   | 2.28                         | 0.01                          | U                            | 16.79                         | 0.09                         | 8.18                          | 0.05 U |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

|                      |                              |       |                              |       |                              |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|
| <b>Sample I.D.</b>   | 23565                        |       | 23570                        |       | 23753                        |
| <b>File I.D.</b>     | ENG2548.D                    |       | ENG2568.D                    |       |                              |
| <b>Date Sampled</b>  | 10/16/2001                   |       | 10/22/2001                   |       | 10/28/2001                   |
| <b>Date Analyzed</b> | 11/28/2001                   |       | 11/29/2001                   |       | VOID                         |
|                      | Actual Vol (m <sup>3</sup> ) | 188.6 | Actual Vol (m <sup>3</sup> ) | 195.7 | Actual Vol (m <sup>3</sup> ) |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 61.11                  | 0.32                          | 28.98                  | 0.15                          |                        |                               |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | 55.75                  | 0.30                          | 50.55                  | 0.26                          |                        |                               |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 31.75                  | 0.17                          | 25.93                  | 0.13                          |                        |                               |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dinitrobenzene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | 1.04                   | 0.01                          | U                      | 0.63                          | 0.003                  | U                             |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | 2.72                   | 0.01                          | U                      | 3.02                          | 0.02                   | U                             |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

|                      |                              |       |                              |       |                              |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|
| <b>Sample I.D.</b>   | 23565                        |       | 23570                        |       | 23753                        |
| <b>File I.D.</b>     | ENG2548.D                    |       | ENG2568.D                    |       |                              |
| <b>Date Sampled</b>  | 10/16/2001                   |       | 10/22/2001                   |       | 10/28/2001                   |
| <b>Date Analyzed</b> | 11/28/2001                   |       | 11/29/2001                   |       | VOID                         |
|                      | Actual Vol (m <sup>3</sup> ) | 188.6 | Actual Vol (m <sup>3</sup> ) | 195.7 | Actual Vol (m <sup>3</sup> ) |

| <b>Compound</b>                | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|--------------------------------|------------------------|-------------------------------|---|------------------------|-------------------------------|---|------------------------|-------------------------------|
| 2-Naphthylamine                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Dibenzofuran                   | 2.75                   | 0.01                          | U | 3.58                   | 0.02                          | U |                        |                               |
| Pentachlorobenzene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 1-Naphthylamine                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Diethyl phthalate              | 51.36                  | 0.27                          |   | 16.09                  | 0.08                          |   |                        |                               |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 4-Nitroaniline                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Fluorene                       | 2.95                   | 0.02                          | U | 3.19                   | 0.02                          | U |                        |                               |
| 5-Nitro-o-toluidine            | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Diphenylamine                  | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Azobenzene                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Phenacetin                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Diallate                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 4-Aminobiphenyl                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Hexachlorobenzene              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Pronamide                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Pentachlorophenol              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Pentachloronitrobenzene        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Phenanthrene                   | 5.46                   | 0.03                          | U | 6.50                   | 0.03                          | U |                        |                               |
| Dinoseb                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Anthracene                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Carbazole                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Di-n-butyl phthalate           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Benzidine                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Isodrin                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Fluoranthene                   | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Pyrene                         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Chlorobenzilate                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Butyl benzyl phthalate         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 2-Acetylaminofluorene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 3-Methylcholanthrene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Benzo(a)anthracene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Chrysene                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Di-n-octyl phthalate           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Benzo(b)fluoranthene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Benzo(k)fluoranthene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Benzo(a)pyrene                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Dibenz(a,h)anthracene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |
| Benzo(g,h,i)perylene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 23896                        | 23986                         |                              | 24044                         |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2638.D                    | ENG2658.D                     |                              | ENG2667.D                     |                               |
| <b>Date Sampled</b>         | 11/3/2001                    | 11/9/2001                     |                              | 11/15/2001                    |                               |
| <b>Date Analyzed</b>        | 12/12/2001                   | 12/17/2001                    |                              | 12/17/2001                    |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 215.6                         | Actual Vol (m <sup>3</sup> ) | 217.3                         | Actual Vol (m <sup>3</sup> )  |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>        |
|                             |                              |                               |                              |                               | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenol                      | 18.29                        | 0.08                          | U                            | ND                            | ND                            |
| Pentachloroethane           | ND                           | ND                            |                              | ND                            | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,4-Dichlorobenzene         | 33.10                        | 0.15                          | 23.97                        | 0.11                          | 25.03                         |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Naphthalene                 | 56.50                        | 0.26                          | 45.51                        | 0.21                          | 98.50                         |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Methylnaphthalene         | 25.04                        | 0.12                          | 21.86                        | 0.10                          | 63.34                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Acenaphthylene              | 0.82                         | 0.004                         | U                            | ND                            | 2.01                          |
| 2,4-Dinitrophenol           | ND                           | ND                            |                              | ND                            | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            |
| Acenaphthene                | 3.61                         | 0.02                          | U                            | 1.73                          | 6.30                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            |                              | ND                            | 0.03                          |
|                             |                              |                               |                              |                               | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 23896                        | 23986                         |                              |                               | 24044                        |                               |        |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|--------|
| <b>File I.D.</b>               | ENG2638.D                    | ENG2658.D                     |                              |                               | ENG2667.D                    |                               |        |
| <b>Date Sampled</b>            | 11/3/2001                    | 11/9/2001                     |                              |                               | 11/15/2001                   |                               |        |
| <b>Date Analyzed</b>           | 12/12/2001                   | 12/17/2001                    |                              |                               | 12/17/2001                   |                               |        |
|                                | Actual Vol (m <sup>3</sup> ) | 215.6                         | Actual Vol (m <sup>3</sup> ) | 217.3                         | Actual Vol (m <sup>3</sup> ) | 218.4                         |        |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |        |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Dibenzofuran                   | 4.24                         | 0.02                          | U                            | 1.68                          | 0.01                         | U                             | 6.34   |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Diethyl phthalate              | 39.97                        | 0.19                          |                              | 28.44                         | 0.13                         |                               | 154.31 |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Fluorene                       | 3.29                         | 0.02                          | U                            | 1.81                          | 0.01                         | U                             | 4.92   |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Phenanthrene                   | 7.34                         | 0.03                          | U                            | 3.45                          | 0.02                         | U                             | 9.72   |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Fluoranthene                   | 1.63                         | 0.01                          | U                            | ND                            | ND                           | 1.28                          | 0.01   |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | 1.61                         | 0.01                          | U      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |        |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 24147                        | 24301                         |                              | 24392                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2670.D                    | ENG2713.D                     |                              | ENG2722.D                     |                              |
| <b>Date Sampled</b>         | 11/21/2001                   | 11/27/2001                    |                              | 12/3/2001                     |                              |
| <b>Date Analyzed</b>        | 12/17/2001                   | 1/10/2002                     |                              | 1/14/2002                     |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 182.5                         | Actual Vol (m <sup>3</sup> ) | 180.4                         | Actual Vol (m <sup>3</sup> ) |
|                             |                              |                               |                              |                               | 188.6                        |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 32.68                        | 0.18                          | 62.18                        | 0.34                          | 153.97                       |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 70.11                        | 0.38                          | 69.90                        | 0.39                          | 160.71                       |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 36.06                        | 0.20                          | 31.00                        | 0.17                          | 72.65                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | ND                           | ND                            | 1.50                         | 0.01                          | U                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 2.30                         | 0.01                          | U                            | 1.98                          | 0.01                         |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
|                             |                              |                               |                              |                               | U                            |
|                             |                              |                               |                              |                               | U                            |
|                             |                              |                               |                              |                               | U                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 24147                        | 24301                         |                              |                               | 24392                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2670.D                    | ENG2713.D                     |                              |                               | ENG2722.D                    |                               |      |
| <b>Date Sampled</b>            | 11/21/2001                   | 11/27/2001                    |                              |                               | 12/3/2001                    |                               |      |
| <b>Date Analyzed</b>           | 12/17/2001                   | 1/10/2002                     |                              |                               | 1/14/2002                    |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 182.5                         | Actual Vol (m <sup>3</sup> ) | 180.4                         | Actual Vol (m <sup>3</sup> ) | 188.6                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 2.14                         | 0.01                          | U                            | 2.14                          | 0.01                         | U                             | 0.02 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | 45.72                        | 0.25                          |                              | 22.56                         | 0.13                         | 30.76                         | 0.16 |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 2.81                         | 0.02                          | U                            | 2.06                          | 0.01                         | U                             | 0.02 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 4.28                         | 0.02                          | U                            | 4.47                          | 0.02                         | U                             | 0.05 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | ND                           | ND                            | 0.52                         | 0.003                         | U                            | 1.39                          | 0.01 |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | 1.64                         | 0.01                          |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | 1.46                         | 0.01                          |      |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 24494                        | 24621                         |                              | 24770                         |                              |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2748.D                    | ENG2758.D                     |                              | ENG2785.D                     |                              |                               |
| <b>Date Sampled</b>         | 12/9/2001                    | 12/15/2001                    |                              | 12/21/2001                    |                              |                               |
| <b>Date Analyzed</b>        | 1/16/2002                    | 1/16/2002                     |                              | 1/17/2002                     |                              |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 196.5                         | Actual Vol (m <sup>3</sup> ) | 188.5                         | Actual Vol (m <sup>3</sup> ) |                               |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 46.86                        | 0.24                          | 12.96                        | 0.07                          | 7.34                         | 0.04                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 47.13                        | 0.24                          | 17.19                        | 0.09                          | 18.48                        | 0.09                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 19.32                        | 0.10                          | 7.79                         | 0.04                          | U                            | 9.01                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | 1.17                         | 0.0060                        | U                            | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 0.86                         | 0.004                         | U                            | 0.67                          | 0.004                        | U                             |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 24494                        | 24621                         |                              |                               | 24770                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2748.D                    | ENG2758.D                     |                              |                               | ENG2785.D                    |                               |      |
| <b>Date Sampled</b>            | 12/9/2001                    | 12/15/2001                    |                              |                               | 12/21/2001                   |                               |      |
| <b>Date Analyzed</b>           | 1/16/2002                    | 1/16/2002                     |                              |                               | 1/17/2002                    |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 196.5                         | Actual Vol (m <sup>3</sup> ) | 188.5                         | Actual Vol (m <sup>3</sup> ) | 205.3                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 1.29                         | 0.01                          | U                            | 0.74                          | 0.004                        | U                             | 0.57 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | ND                           | ND                            | 47.69                        | 0.25                          | 82.45                        | 0.40                          |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 1.26                         | 0.01                          | U                            | 0.50                          | 0.003                        | U                             | 0.41 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 2.94                         | 0.01                          | U                            | 1.14                          | 0.01                         | U                             | ND   |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

**Sample I.D.** 24929  
**File I.D.** ENG2790.D  
**Date Sampled** 12/27/2001  
**Date Analyzed** 1/17/2002  
**Actual Vol (m<sup>3</sup>)** 168.8

| <u>Compound</u>             | <u>Final Conc (ug)</u> | <u>Final ug/m<sup>3</sup></u> |   |
|-----------------------------|------------------------|-------------------------------|---|
| N-Nitrosodimethylamine      | ND                     | ND                            |   |
| Pyridine                    | ND                     | ND                            |   |
| Ethyl methanesulfonate      | ND                     | ND                            |   |
| 2-Picoline                  | ND                     | ND                            |   |
| N-Nitrosomethylethylamine   | ND                     | ND                            |   |
| Methyl methanesulfonate     | ND                     | ND                            |   |
| N-Nitrosodiethylamine       | ND                     | ND                            |   |
| Phenol                      | 21.80                  | 0.13                          | U |
| Pentachloroethane           | ND                     | ND                            |   |
| bis (2-Chloroethyl)ether    | ND                     | ND                            |   |
| Aniline                     | ND                     | ND                            |   |
| 2-Chlorophenol              | ND                     | ND                            |   |
| 1,3-Dichlorobenzene         | ND                     | ND                            |   |
| 1,4-Dichlorobenzene         | 5.78                   | 0.03                          | U |
| Benzyl alcohol              | ND                     | ND                            |   |
| 2-Methylphenol              | ND                     | ND                            |   |
| 1,2-Dichlorobenzene         | ND                     | ND                            |   |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            |   |
| 3&4-Methylphenol            | ND                     | ND                            |   |
| N-Nitrosopyrrolidine        | ND                     | ND                            |   |
| N-Nitrosodipropylamine      | ND                     | ND                            |   |
| o-Toluidine                 | ND                     | ND                            |   |
| Hexachloroethane            | ND                     | ND                            |   |
| Acetophenone                | ND                     | ND                            |   |
| Nitrobenzene                | ND                     | ND                            |   |
| N-Nitrosopiperidine         | ND                     | ND                            |   |
| Isophorone                  | ND                     | ND                            |   |
| 2-Nitrophenol               | ND                     | ND                            |   |
| 2,4-Dimethylphenol          | ND                     | ND                            |   |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            |   |
| 2,4-Dichlorophenol          | ND                     | ND                            |   |
| 4-Chloroaniline             | ND                     | ND                            |   |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            |   |
| Naphthalene                 | 33.30                  | 0.20                          |   |
| 2,6-Dichlorophenol          | ND                     | ND                            |   |
| Hexachloropropene           | ND                     | ND                            |   |
| Hexachlorobutadiene         | ND                     | ND                            |   |
| N-Nitrosodibutylamine       | ND                     | ND                            |   |
| 4-Chloro-3-methylphenol     | ND                     | ND                            |   |
| Safrole                     | ND                     | ND                            |   |
| 2-Methylnaphthalene         | 17.89                  | 0.11                          |   |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            |   |
| 2,4,6-Trichlorophenol       | ND                     | ND                            |   |
| Hexachlorocyclopentadiene   | ND                     | ND                            |   |
| 2,4,5-Trichlorophenol       | ND                     | ND                            |   |
| 2-Nitroaniline              | ND                     | ND                            |   |
| Isosafrole                  | ND                     | ND                            |   |
| 2-Chloronaphthalene         | ND                     | ND                            |   |
| 1,4-Naphthoquinone          | ND                     | ND                            |   |
| Dimethyl phthalate          | ND                     | ND                            |   |
| 1,3-Dintrobenzene           | ND                     | ND                            |   |
| 2,6-Dinitrotoluene          | ND                     | ND                            |   |
| 3-Nitroaniline              | ND                     | ND                            |   |
| Acenaphthylene              | 0.67                   | 0.004                         | U |
| 2,4-Dinitrophenol           | ND                     | ND                            |   |
| 4-Nitrophenol               | ND                     | ND                            |   |
| Acenaphthene                | 0.64                   | 0.004                         | U |
| 2,4-Dinitrotoluene          | ND                     | ND                            |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Elizabeth, NJ

## 2001 Final Data Report

**Sample I.D.** 24929  
**File I.D.** ENG2790.D  
**Date Sampled** 12/27/2001  
**Date Analyzed** 1/17/2002  
**Actual Vol (m<sup>3</sup>)** 168.8

| <u>Compound</u>                | <u>Final Conc (ug)</u> | <u>Final ug/m<sup>3</sup></u> |   |
|--------------------------------|------------------------|-------------------------------|---|
| 2-Naphthylamine                | ND                     | ND                            |   |
| Dibenzofuran                   | 1.19                   | 0.01                          | U |
| Pentachlorobenzene             | ND                     | ND                            |   |
| 1-Naphthylamine                | ND                     | ND                            |   |
| Diethyl phthalate              | ND                     | ND                            |   |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            |   |
| 4-Nitroaniline                 | ND                     | ND                            |   |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            |   |
| Fluorene                       | 1.11                   | 0.01                          | U |
| 5-Nitro-o-toluidine            | ND                     | ND                            |   |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            |   |
| Diphenylamine                  | ND                     | ND                            |   |
| Azobenzene                     | ND                     | ND                            |   |
| Phenacetin                     | ND                     | ND                            |   |
| Diallate                       | ND                     | ND                            |   |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            |   |
| 4-Aminobiphenyl                | ND                     | ND                            |   |
| Hexachlorobenzene              | ND                     | ND                            |   |
| Pronamide                      | ND                     | ND                            |   |
| Pentachlorophenol              | ND                     | ND                            |   |
| Pentachloronitrobenzene        | ND                     | ND                            |   |
| Phenanthrene                   | 2.70                   | 0.02                          | U |
| Dinoseb                        | ND                     | ND                            |   |
| Anthracene                     | ND                     | ND                            |   |
| Carbazole                      | ND                     | ND                            |   |
| Di-n-butyl phthalate           | ND                     | ND                            |   |
| Benzidine                      | ND                     | ND                            |   |
| Isodrin                        | ND                     | ND                            |   |
| Fluoranthene                   | ND                     | ND                            |   |
| Pyrene                         | ND                     | ND                            |   |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            |   |
| Chlorobenzilate                | ND                     | ND                            |   |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            |   |
| Butyl benzyl phthalate         | ND                     | ND                            |   |
| 2-Acetylaminofluorene          | ND                     | ND                            |   |
| 3-Methylcholanthrene           | ND                     | ND                            |   |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            |   |
| bis(2-Ethylhexyl)phthalate     | ND                     | ND                            |   |
| Benzo(a)anthracene             | ND                     | ND                            |   |
| Chrysene                       | ND                     | ND                            |   |
| Di-n-octyl phthalate           | ND                     | ND                            |   |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            |   |
| Benzo(b)fluoranthene           | ND                     | ND                            |   |
| Benzo(k)fluoranthene           | ND                     | ND                            |   |
| Benzo(a)pyrene                 | ND                     | ND                            |   |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            |   |
| Dibenz(a,h)anthracene          | ND                     | ND                            |   |
| Benzo(g,h,i)perylene           | ND                     | ND                            |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

| Sample I.D.                 | 19927                        | 20038                   |                              | 20187                   |                              |      |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|------|
| File I.D.                   | ENG1979.D                    | ENG1994.D               |                              | ENG2007.D               |                              |      |
| Date Sampled                | 4/19/2001                    | 5/1/2001                |                              | 5/13/2001               |                              |      |
| Date Analyzed               | 5/24/2001                    | 5/25/2001               |                              | 6/15/2001               |                              |      |
|                             | Actual Vol (m <sup>3</sup> ) | 202.3                   | Actual Vol (m <sup>3</sup> ) | 193.5                   | Actual Vol (m <sup>3</sup> ) |      |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |      |
|                             |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | 14.69                        | 0.07 |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 1,4-Dichlorobenzene         | 81.38                        | 0.40                    | 59.91                        | 0.31                    | 86.75                        | 0.40 |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Naphthalene                 | 97.21                        | 0.48                    | 127.73                       | 0.66                    | 110.87                       | 0.52 |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2-Methylnaphthalene         | 47.79                        | 0.24                    | 63.82                        | 0.33                    | 53.11                        | 0.25 |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Acenaphthylene              | 0.98                         | 0.005                   | U                            | ND                      | ND                           | ND   |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |
| Acenaphthene                | ND                           | ND                      | 2.13                         | 0.01                    | U                            | 1.16 |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

| Sample I.D.                    | 19927                        | 20038                   |                              |                         | 20187                        |                         |      |
|--------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------|
| File I.D.                      | ENG1979.D                    | ENG1994.D               |                              |                         | ENG2007.D                    |                         |      |
| Date Sampled                   | 4/19/2001                    |                         | 5/1/2001                     |                         | 5/13/2001                    |                         |      |
| Date Analyzed                  | 5/24/2001                    |                         | 5/25/2001                    |                         | 6/15/2001                    |                         |      |
|                                | Actual Vol (m <sup>3</sup> ) | 202.3                   | Actual Vol (m <sup>3</sup> ) | 193.5                   | Actual Vol (m <sup>3</sup> ) | 215.1                   |      |
| Compound                       | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |      |
| 2-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Dibenzofuran                   | 0.75                         | 0.004                   | U                            | 3.73                    | 0.02                         | U                       | 1.97 |
| Pentachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 1-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diethyl phthalate              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Nitroaniline                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Fluorene                       | 0.43                         | 0.002                   | U                            | 3.37                    | 0.02                         | U                       | 1.78 |
| 5-Nitro-o-toluidine            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diphenylamine                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Azobenzene                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Phenacetin                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diallate                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Aminobiphenyl                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Hexachlorobenzene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pronamide                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pentachlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pentachloronitrobenzene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Phenanthrene                   | 1.95                         | 0.01                    | U                            | 7.47                    | 0.04                         | U                       | 4.23 |
| Dinoseb                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Anthracene                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Carbazole                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Di-n-butyl phthalate           | ND                           | ND                      | 3.30                         | 0.02                    | U                            | 2.74                    | 0.01 |
| Benzidine                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Isodrin                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Fluoranthene                   | ND                           | ND                      | ND                           | ND                      | ND                           | 2.97                    | 0.01 |
| Pyrene                         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Chlorobenzilate                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Butyl benzyl phthalate         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 2-Acetylaminofluorene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3-Methylcholanthrene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                      | 310.51                       | 1.60                    | 2.88                         | 0.01                    | U    |
| Benzo(a)anthracene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Chrysene                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Di-n-octyl phthalate           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(b)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(k)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(a)pyrene                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Dibenz(a,h)anthracene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(g,h,i)perylene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 20337 | <b>File I.D.</b>       | ENG2018.D                     | <b>Date Sampled</b> | 5/25/2001              | <b>Date Analyzed</b>          | 6/16/2001 | <b>20569</b>                 | ENG2042.D                     | <b>21016</b>                 | VOID      |                              |
|-----------------------------|-------|------------------------|-------------------------------|---------------------|------------------------|-------------------------------|-----------|------------------------------|-------------------------------|------------------------------|-----------|------------------------------|
|                             |       |                        |                               |                     |                        |                               |           |                              |                               |                              | 6/22/2001 |                              |
|                             |       |                        |                               |                     |                        |                               |           |                              |                               |                              | 6/18/2001 |                              |
|                             |       |                        |                               |                     |                        |                               |           | Actual Vol (m <sup>3</sup> ) | 208.2                         | Actual Vol (m <sup>3</sup> ) | 207.6     | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             |       | <b>Final Conc (ug)</b> | <b>Final ug/m<sup>3</sup></b> |                     | <b>Final Conc (ug)</b> | <b>Final ug/m<sup>3</sup></b> |           | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> |                              |           |                              |
| N-Nitrosodimethylamine      |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Pyridine                    |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Ethyl methanesulfonate      |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2-Picoline                  |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| N-Nitrosomethylethylamine   |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Methyl methanesulfonate     |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| N-Nitrosodiethylamine       |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Phenol                      |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Pentachloroethane           |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| bis (2-Chloroethyl)ether    |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Aniline                     |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2-Chlorophenol              |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 1,3-Dichlorobenzene         |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 1,4-Dichlorobenzene         | 43.92 | 0.21                   |                               | 43.47               |                        | 0.21                          |           |                              |                               |                              |           |                              |
| Benzyl alcohol              |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2-Methylphenol              |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 1,2-Dichlorobenzene         |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| bis(2-Chloroisopropyl)ether |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 3&4-Methylphenol            |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| N-Nitrosopyrrolidine        |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| N-Nitrosodipropylamine      |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| o-Toluidine                 |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Hexachloroethane            |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Acetophenone                |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Nitrobenzene                |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| N-Nitrosopiperidine         |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Isophorone                  |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2-Nitrophenol               |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2,4-Dimethylphenol          |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| bis(2-Chloroethoxy)methane  |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2,4-Dichlorophenol          |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 4-Chloroaniline             |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 1,2,4-Trichlorobenzene      |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Naphthalene                 | 69.14 | 0.33                   |                               | 87.69               |                        | 0.42                          |           |                              |                               |                              |           |                              |
| 2,6-Dichlorophenol          |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Hexachloropropene           |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Hexachlorobutadiene         |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| N-Nitrosodibutylamine       |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 4-Chloro-3-methylphenol     |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Safrole                     |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2-Methylnaphthalene         | 35.04 | 0.17                   |                               | 48.17               |                        | 0.23                          |           |                              |                               |                              |           |                              |
| 1,2,4,5-Tetrachlorobenzene  |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2,4,6-Trichlorophenol       |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Hexachlorocyclopentadiene   |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2,4,5-Trichlorophenol       |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2-Nitroaniline              |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Isosafrole                  |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2-Chloronaphthalene         |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 1,4-Naphthoquinone          |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Dimethyl phthalate          |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 1,3-Dintrobenzene           |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2,6-Dinitrotoluene          |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 3-Nitroaniline              |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Acenaphthylene              |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 2,4-Dinitrophenol           |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| 4-Nitrophenol               |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |
| Acenaphthene                | 0.40  | 0.002                  | U                             | 0.40                |                        | 0.002                         | U         |                              |                               |                              |           |                              |
| 2,4-Dinitrotoluene          |       | ND                     | ND                            |                     | ND                     | ND                            |           | ND                           | ND                            |                              |           |                              |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 20337                        | <b>Sample I.D.</b>            | 20569                        | <b>Sample I.D.</b>            | 21016                         |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>File I.D.</b>               | ENG2018.D                    | <b>File I.D.</b>              | ENG2042.D                    | <b>File I.D.</b>              | VOID                          |
| <b>Date Sampled</b>            | 5/25/2001                    | <b>Date Sampled</b>           | 6/6/2001                     | <b>Date Sampled</b>           | 6/18/2001                     |
| <b>Date Analyzed</b>           | 6/16/2001                    | <b>Date Analyzed</b>          | 6/22/2001                    | <b>Date Analyzed</b>          |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 208.2                         | Actual Vol (m <sup>3</sup> ) | 207.6                         | Actual Vol (m <sup>3</sup> )  |
| <b>Compound</b>                | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> | <b>Final Conc (ug)</b>        |
|                                |                              |                               |                              |                               | <b>Final ug/m<sup>3</sup></b> |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenzofuran                   | 0.86                         | 0.004                         | U                            | 0.70                          | 0.003                         |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diethyl phthalate              | 2.02                         | 0.01                          | U                            | 13.19                         | 0.06                          |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluorene                       | 0.60                         | 0.003                         | U                            | 0.69                          | 0.003                         |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenanthrene                   | 2.36                         | 0.01                          | U                            | 3.05                          | 0.01                          |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 21318                        | 21514 - Blank                 |                              | 21522                  |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2232.D                    | ENG2262.D                     |                              | ENG2280.D              |                               |
| <b>Date Sampled</b>         | 6/30/2001                    | 7/12/2001                     |                              | 7/12/2001              |                               |
| <b>Date Analyzed</b>        | 8/3/2001                     | 8/9/2001                      |                              | 8/17/2001              |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 219.6                         | Actual Vol (m <sup>3</sup> ) | 212.91                 | 185.2                         |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                     | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                     | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                     | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | 13.35                  | 0.07                          |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                     | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 20.35                        | 0.09                          | ND                           | 38.36                  | 0.21                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                     | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                     | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                     | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                     | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                     | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                     | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                     | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                     | ND                            |
| Naphthalene                 | 73.84                        | 0.34                          | ND                           | 57.36                  | 0.31                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                     | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                     | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                     | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Methylnaphthalene         | 39.67                        | 0.18                          | ND                           | 30.68                  | 0.17                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                     | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                     | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                     | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                     | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | 0.60                   | 0.003                         |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                     | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                     | ND                            |
| Acenaphthene                | 1.04                         | 0.005                         | U                            | ND                     | ND                            |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | 2.08                   | 0.01                          |
|                             |                              |                               |                              | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

|                      |                              |               |                              |
|----------------------|------------------------------|---------------|------------------------------|
| <b>Sample I.D.</b>   | 21318                        | 21514 - Blank | 21522                        |
| <b>File I.D.</b>     | ENG2232.D                    | ENG2262.D     | ENG2280.D                    |
| <b>Date Sampled</b>  | 6/30/2001                    | 7/12/2001     | 7/12/2001                    |
| <b>Date Analyzed</b> | 8/3/2001                     | 8/9/2001      | 8/17/2001                    |
|                      | Actual Vol (m <sup>3</sup> ) | 219.6         | Actual Vol (m <sup>3</sup> ) |
|                      |                              |               | 212.91                       |
|                      |                              |               | 185.2                        |

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |      |
|-------------------------------|------------------------|-------------------------------|------------------------|------------------------|-------------------------------|------|
| 2-Naphthylamine               | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Dibenzofuran                  | 3.81                   | 0.02                          | U                      | ND                     | 2.31                          | 0.01 |
| Pentachlorobenzene            | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 1-Naphthylamine               | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Diethyl phthalate             | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 4-Nitroaniline                | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Fluorene                      | 2.89                   | 0.01                          | U                      | ND                     | 2.88                          | 0.02 |
| 5-Nitro-o-toluidine           | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Diphenylamine                 | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Azobenzene                    | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Phenacetin                    | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Diallate                      | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 4-Bromophenyl phenyl ether    | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 4-Aminobiphenyl               | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Hexachlorobenzene             | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Pronamide                     | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Pentachlorophenol             | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Pentachloronitrobenzene       | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Phenanthrene                  | 7.71                   | 0.04                          | U                      | ND                     | 7.27                          | 0.04 |
| Dinoseb                       | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Anthracene                    | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Carbazole                     | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Di-n-butyl phthalate          | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Benzidine                     | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Isodrin                       | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Fluoranthene                  | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Pyrene                        | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 4-Dimethylaminoazobenzene     | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Chlorobenzilate               | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 3,3'-Dimethylbenzidine        | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Butyl benzyl phthalate        | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 2-Acetylaminofluorene         | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 3-Methylcholanthrene          | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 3,3'-Dichlorobenzidine        | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| bis(2-Ethylhexyl)phthalate    | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Benzo(a)anthracene            | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Chrysene                      | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Di-n-octyl phthalate          | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Benzo(b)fluoranthene          | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Benzo(k)fluoranthene          | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Benzo(a)pyrene                | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Dibenz(a,h)anthracene         | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |
| Benzo(g,h,i)perylene          | ND                     | ND                            | ND                     | ND                     | ND                            | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

|                      |                              |       |                              |  |                              |
|----------------------|------------------------------|-------|------------------------------|--|------------------------------|
| <b>Sample I.D.</b>   | 21983                        |       | 22214 - Blank                |  | 22215                        |
| <b>File I.D.</b>     | ENG2323.D                    |       | ENG2359.D                    |  | ENG2360.D                    |
| <b>Date Sampled</b>  | 8/5/2001                     |       | 8/17/2001                    |  | 8/17/2001                    |
| <b>Date Analyzed</b> | 8/22/2001                    |       | 9/21/2001                    |  | 9/21/2001                    |
|                      | Actual Vol (m <sup>3</sup> ) | 201.3 | Actual Vol (m <sup>3</sup> ) |  | Actual Vol (m <sup>3</sup> ) |
|                      |                              |       |                              |  | 209.5                        |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            | ND                     | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                     | ND                            |
| Phenol                      | 20.10                  | 0.10                          | U                      | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                     | ND                            |
| Aniline                     | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 79.24                  | 0.39                          | ND                     | 21.26                  | 0.10                          |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            | ND                     | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                     | ND                            |
| Naphthalene                 | 177.80                 | 0.88                          | ND                     | 44.80                  | 0.21                          |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Safrole                     | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2-Methylnaphthalene         | 89.74                  | 0.45                          | ND                     | 26.34                  | 0.13                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                     | ND                            |
| 1,3-Dinitrobenzene          | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                     | ND                            |
| Acenaphthylene              | 1.26                   | 0.01                          | U                      | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                     | ND                            |
| Acenaphthene                | 3.64                   | 0.02                          | U                      | ND                     | 0.89                          |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                     | 0.004                         |
|                             |                        |                               |                        |                        | U                             |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

|                      |                              |               |                              |
|----------------------|------------------------------|---------------|------------------------------|
| <b>Sample I.D.</b>   | 21983                        | 22214 - Blank | 22215                        |
| <b>File I.D.</b>     | ENG2323.D                    | ENG2359.D     | ENG2360.D                    |
| <b>Date Sampled</b>  | 8/5/2001                     | 8/17/2001     | 8/17/2001                    |
| <b>Date Analyzed</b> | 8/22/2001                    | 9/21/2001     | 9/21/2001                    |
|                      | Actual Vol (m <sup>3</sup> ) | 201.3         | Actual Vol (m <sup>3</sup> ) |
|                      |                              |               | Actual Vol (m <sup>3</sup> ) |
|                      |                              |               | 209.5                        |

| <b>Compound</b>                | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|--------------------------------|------------------------|-------------------------------|------------------------|------------------------|-------------------------------|
| 2-Naphthylamine                | ND                     | ND                            | ND                     | ND                     | ND                            |
| Dibenzofuran                   | 4.38                   | 0.02                          | U                      | ND                     | 1.15                          |
| Pentachlorobenzene             | ND                     | ND                            | ND                     | ND                     | ND                            |
| 1-Naphthylamine                | ND                     | ND                            | ND                     | ND                     | ND                            |
| Diethyl phthalate              | 18.59                  | 0.09                          | ND                     | ND                     | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Nitroaniline                 | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            | ND                     | ND                     | ND                            |
| Fluorene                       | 4.62                   | 0.02                          | U                      | ND                     | 1.25                          |
| 5-Nitro-o-toluidine            | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Diphenylamine                  | ND                     | ND                            | ND                     | ND                     | ND                            |
| Azobenzene                     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Phenacetin                     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Diallate                       | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Aminobiphenyl                | ND                     | ND                            | ND                     | ND                     | ND                            |
| Hexachlorobenzene              | ND                     | ND                            | ND                     | ND                     | ND                            |
| Pronamide                      | ND                     | ND                            | ND                     | ND                     | ND                            |
| Pentachlorophenol              | ND                     | ND                            | ND                     | ND                     | ND                            |
| Pentachloronitrobenzene        | ND                     | ND                            | ND                     | ND                     | ND                            |
| Phenanthrene                   | 11.87                  | 0.06                          | ND                     | 2.94                   | 0.01                          |
| Dinoseb                        | ND                     | ND                            | ND                     | ND                     | ND                            |
| Anthracene                     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Carbazole                      | ND                     | ND                            | ND                     | ND                     | ND                            |
| Di-n-butyl phthalate           | ND                     | ND                            | ND                     | 1.01                   | 0.005                         |
| Benzidine                      | ND                     | ND                            | ND                     | ND                     | ND                            |
| Isodrin                        | ND                     | ND                            | ND                     | ND                     | ND                            |
| Fluoranthene                   | ND                     | ND                            | ND                     | 0.71                   | 0.003                         |
| Pyrene                         | 2.35                   | 0.01                          | U                      | ND                     | ND                            |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            | ND                     | ND                     | ND                            |
| Chlorobenzilate                | ND                     | ND                            | ND                     | ND                     | ND                            |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            | ND                     | ND                     | ND                            |
| Butyl benzyl phthalate         | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2-Acetylaminofluorene          | ND                     | ND                            | ND                     | ND                     | ND                            |
| 3-Methylcholanthrene           | ND                     | ND                            | ND                     | ND                     | ND                            |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            | ND                     | ND                     | ND                            |
| bis(2-Ethylhexyl)phthalate     | 3.39                   | 0.02                          | U                      | ND                     | ND                            |
| Benzo(a)anthracene             | ND                     | ND                            | ND                     | ND                     | ND                            |
| Chrysene                       | ND                     | ND                            | ND                     | ND                     | ND                            |
| Di-n-octyl phthalate           | ND                     | ND                            | ND                     | ND                     | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(b)fluoranthene           | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(k)fluoranthene           | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(a)pyrene                 | ND                     | ND                            | ND                     | ND                     | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            | ND                     | ND                     | ND                            |
| Dibenz(a,h)anthracene          | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(g,h,i)perylene           | ND                     | ND                            | ND                     | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

| Sample I.D. | 22614 | File I.D. | ENG2389.D | Date Sampled | 8/29/2001 | Date Analyzed | 9/23/2001 | Actual Vol (m <sup>3</sup> ) | 201.3 | Actual Vol (m <sup>3</sup> ) | 205.8 | Actual Vol (m <sup>3</sup> ) | 213.1 |
|-------------|-------|-----------|-----------|--------------|-----------|---------------|-----------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
|-------------|-------|-----------|-----------|--------------|-----------|---------------|-----------|------------------------------|-------|------------------------------|-------|------------------------------|-------|

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pyridine                    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Picoline                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenol                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pentachloroethane           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Aniline                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 72.26           | 0.36                    | 18.56           | 0.09                    | 167.46          | 0.79                    |
| Benzyl alcohol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| o-Toluidine                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloroethane            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acetophenone                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Nitrobenzene                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isophorone                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Naphthalene                 | 107.93          | 0.54                    | 39.03           | 0.19                    | 263.94          | 1.24                    |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloropropene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Safrole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 51.64           | 0.26                    | 18.17           | 0.09                    | 133.17          | 0.62                    |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isosafrole                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dintrobenzene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthylene              | 1.07            | 0.01                    | U               | ND                      | 2.50            | 0.01                    |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthene                | 1.25            | 0.01                    | U               | 0.60                    | 0.003           | U                       |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | 2.22            | 0.01                    |
|                             |                 |                         |                 |                         | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

| <b>Sample I.D.</b>   | 22614                        | <b>Sample I.D.</b>   | 22875                        | <b>Sample I.D.</b>   | 23041                        |
|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|
| <b>File I.D.</b>     | ENG2389.D                    | <b>File I.D.</b>     | ENG2422.D                    | <b>File I.D.</b>     | ENG2457.D                    |
| <b>Date Sampled</b>  | 8/29/2001                    | <b>Date Sampled</b>  | 9/10/2001                    | <b>Date Sampled</b>  | 9/22/2001                    |
| <b>Date Analyzed</b> | 9/23/2001                    | <b>Date Analyzed</b> | 10/2/2001                    | <b>Date Analyzed</b> | 10/19/2001                   |
|                      | Actual Vol (m <sup>3</sup> ) | 201.3                | Actual Vol (m <sup>3</sup> ) | 205.8                | Actual Vol (m <sup>3</sup> ) |
|                      |                              |                      |                              |                      | 213.1                        |

| <b>Compound</b>                | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   |
|--------------------------------|------------------------|-------------------------------|---|------------------------|-------------------------------|---|------------------------|-------------------------------|---|
| 2-Naphthylamine                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Dibenzofuran                   | 1.45                   | 0.01                          | U | 0.77                   | 0.00                          | U | 2.32                   | 0.01                          | U |
| Pentachlorobenzene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 1-Naphthylamine                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diethyl phthalate              | ND                     | ND                            |   | 7.07                   | 0.03                          | U | ND                     | ND                            |   |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Nitroaniline                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Fluorene                       | 1.72                   | 0.01                          | U | 0.75                   | 0.004                         | U | 2.73                   | 0.01                          | U |
| 5-Nitro-o-toluidine            | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diphenylamine                  | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Azobenzene                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Phenacetin                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diallate                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Aminobiphenyl                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Hexachlorobenzene              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pronamide                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pentachlorophenol              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pentachloronitrobenzene        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Phenanthrene                   | 3.79                   | 0.02                          | U | 2.62                   | 0.01                          | U | 4.55                   | 0.02                          | U |
| Dinoseb                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Anthracene                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Carbazole                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Di-n-butyl phthalate           | ND                     | ND                            |   | 6.25                   | 0.03                          | U | ND                     | ND                            |   |
| Benzidine                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Isodrin                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Fluoranthene                   | 1.15                   | 0.01                          | U | 0.63                   | 0.003                         | U | 1.26                   | 0.01                          | U |
| Pyrene                         | 1.11                   | 0.01                          | U | ND                     | ND                            |   | 1.21                   | 0.01                          | U |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Chlorobenzilate                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Butyl benzyl phthalate         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 2-Acetylaminofluorene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3-Methylcholanthrene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| bis(2-Ethylhexyl)phthalate     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(a)anthracene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Chrysene                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Di-n-octyl phthalate           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(b)fluoranthene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(k)fluoranthene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(a)pyrene                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Dibenz(a,h)anthracene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(g,h,i)perylene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

|                      |                              |       |                              |       |                              |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|
| <b>Sample I.D.</b>   | 23226                        |       | 23448                        |       | 23664 - Blank                |
| <b>File I.D.</b>     | ENG2530.D                    |       | ENG2558.D                    |       | ENG2580.D                    |
| <b>Date Sampled</b>  | 10/4/2001                    |       | 10/16/2001                   |       | 10/28/2001                   |
| <b>Date Analyzed</b> | 11/28/2001                   |       | 11/29/2001                   |       | 11/29/2001                   |
|                      | Actual Vol (m <sup>3</sup> ) | 222.4 | Actual Vol (m <sup>3</sup> ) | 238.3 | Actual Vol (m <sup>3</sup> ) |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1,4-Dichlorobenzene         | 17.47                  | 0.08                          | 19.58                  | 0.08                          | ND                     |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     |
| Naphthalene                 | 53.02                  | 0.24                          | 47.95                  | 0.20                          | ND                     |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Methylnaphthalene         | 27.36                  | 0.12                          | 18.85                  | 0.08                          | ND                     |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1,3-Dintrobenzene           | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     |
| Acenaphthylene              | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     |
| Acenaphthene                | 0.90                   | 0.004                         | U                      | 0.25                          | 0.001                  |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

|                      |                              |       |                              |       |                              |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|
| <b>Sample I.D.</b>   | 23226                        |       | 23448                        |       | 23664 - Blank                |
| <b>File I.D.</b>     | ENG2530.D                    |       | ENG2558.D                    |       | ENG2580.D                    |
| <b>Date Sampled</b>  | 10/4/2001                    |       | 10/16/2001                   |       | 10/28/2001                   |
| <b>Date Analyzed</b> | 11/28/2001                   |       | 11/29/2001                   |       | 11/29/2001                   |
|                      | Actual Vol (m <sup>3</sup> ) | 222.4 | Actual Vol (m <sup>3</sup> ) | 238.3 | Actual Vol (m <sup>3</sup> ) |

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> |
|-------------------------------|------------------------|-------------------------------|---|------------------------|-------------------------------|------------------------|
| 2-Naphthylamine               | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Dibenzofuran                  | 1.42                   | 0.01                          | U | ND                     | ND                            | ND                     |
| Pentachlorobenzene            | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 1-Naphthylamine               | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Diethyl phthalate             | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 4-Nitroaniline                | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Fluorene                      | 1.20                   | 0.01                          | U | 0.56                   | 0.002                         | U                      |
| 5-Nitro-o-toluidine           | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Diphenylamine                 | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Azobenzene                    | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Phenacetin                    | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Diallate                      | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 4-Bromophenyl phenyl ether    | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 4-Aminobiphenyl               | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Hexachlorobenzene             | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Pronamide                     | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Pentachlorophenol             | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Pentachloronitrobenzene       | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Phenanthrene                  | 4.07                   | 0.02                          | U | 1.41                   | 0.01                          | U                      |
| Dinoseb                       | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Anthracene                    | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Carbazole                     | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Di-n-butyl phthalate          | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Benzidine                     | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Isodrin                       | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Fluoranthene                  | 1.72                   | 0.01                          | U | ND                     | ND                            | ND                     |
| Pyrene                        | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 4-Dimethylaminoazobenzene     | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Chlorobenzilate               | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 3,3'-Dimethylbenzidine        | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Butyl benzyl phthalate        | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 2-Acetylaminofluorene         | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 3-Methylcholanthrene          | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 3,3'-Dichlorobenzidine        | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| bis(2-Ethylhexyl)phthalate    | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Benzo(a)anthracene            | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Chrysene                      | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Di-n-octyl phthalate          | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Benzo(b)fluoranthene          | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Benzo(k)fluoranthene          | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Benzo(a)pyrene                | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Dibenz(a,h)anthracene         | ND                     | ND                            |   | ND                     | ND                            | ND                     |
| Benzo(g,h,i)perylene          | ND                     | ND                            |   | ND                     | ND                            | ND                     |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

| Sample I.D.                 | 23665                        |                         | 23942                        |                         | 24166                        |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2581.D                    |                         | ENG2652.D                    |                         | ENG2681.D                    |                         |
| Date Sampled                | 10/28/2001                   |                         | 11/9/2001                    |                         | 11/21/2001                   |                         |
| Date Analyzed               | 11/29/2001                   |                         | 12/13/2001                   |                         | 12/18/2001                   |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 232.5                   | Actual Vol (m <sup>3</sup> ) | 203.1                   | Actual Vol (m <sup>3</sup> ) | 235.0                   |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 58.01                        | 0.25                    | 18.10                        | 0.09                    | 19.11                        | 0.08                    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 67.36                        | 0.29                    | 47.92                        | 0.24                    | 99.61                        | 0.42                    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 23.85                        | 0.10                    | 20.94                        | 0.10                    | 28.61                        | 0.12                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | 1.04                         | 0.004                   |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 0.27                         | 0.001                   | U                            | 0.66                    | 0.003                        | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | 1.15                         | 0.005                   |
|                             |                              |                         |                              |                         | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 23665                        | 23942                         |                              |                               | 24166                        |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2581.D                    | ENG2652.D                     |                              |                               | ENG2681.D                    |                               |      |
| <b>Date Sampled</b>           | 10/28/2001                   | 11/9/2001                     |                              |                               | 11/21/2001                   |                               |      |
| <b>Date Analyzed</b>          | 11/29/2001                   | 12/13/2001                    |                              |                               | 12/18/2001                   |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 232.5                         | Actual Vol (m <sup>3</sup> ) | 203.1                         | Actual Vol (m <sup>3</sup> ) | 235.0                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                  | 0.59                         | 0.003                         | U                            | 0.78                          | 0.004                        | U                             | 1.49 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                      | 0.60                         | 0.003                         | U                            | 0.67                          | 0.003                        | U                             | 1.46 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                  | 1.72                         | 0.01                          | U                            | 1.95                          | 0.01                         | U                             | 3.20 |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

|                      |                     |           |                     |
|----------------------|---------------------|-----------|---------------------|
| <b>Sample I.D.</b>   | 24378 - Field Blank | 24379     | 24632 - Field Blank |
| <b>File I.D.</b>     | ENG2729.D           | ENG2730.D | ENG2768.D           |
| <b>Date Sampled</b>  | 12/3/2001           | 12/3/2001 | 12/15/2001          |
| <b>Date Analyzed</b> | 1/14/2002           | 1/14/2002 | 1/16/2002           |

Actual Vol (m<sup>3</sup>)Actual Vol (m<sup>3</sup>)

188.9

Actual Vol (m<sup>3</sup>)

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> |
|-----------------------------|------------------------|------------------------|-------------------------------|------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                     | ND                            | ND                     |
| Pyridine                    | ND                     | ND                     | ND                            | ND                     |
| Ethyl methanesulfonate      | ND                     | ND                     | ND                            | ND                     |
| 2-Picoline                  | ND                     | ND                     | ND                            | ND                     |
| N-Nitrosomethylethylamine   | ND                     | ND                     | ND                            | ND                     |
| Methyl methanesulfonate     | ND                     | ND                     | ND                            | ND                     |
| N-Nitrosodiethylamine       | ND                     | ND                     | ND                            | ND                     |
| Phenol                      | ND                     | 23.77                  | 0.13                          | ND                     |
| Pentachloroethane           | ND                     | ND                     | ND                            | ND                     |
| bis (2-Chloroethyl)ether    | ND                     | ND                     | ND                            | ND                     |
| Aniline                     | ND                     | ND                     | ND                            | ND                     |
| 2-Chlorophenol              | ND                     | ND                     | ND                            | ND                     |
| 1,3-Dichlorobenzene         | ND                     | ND                     | ND                            | ND                     |
| 1,4-Dichlorobenzene         | ND                     | 35.41                  | 0.19                          | ND                     |
| Benzyl alcohol              | ND                     | ND                     | ND                            | ND                     |
| 2-Methylphenol              | ND                     | ND                     | ND                            | ND                     |
| 1,2-Dichlorobenzene         | ND                     | ND                     | ND                            | ND                     |
| bis(2-Chloroisopropyl)ether | ND                     | ND                     | ND                            | ND                     |
| 3&4-Methylphenol            | ND                     | ND                     | ND                            | ND                     |
| N-Nitrosopyrrolidine        | ND                     | ND                     | ND                            | ND                     |
| N-Nitrosodipropylamine      | ND                     | ND                     | ND                            | ND                     |
| o-Toluidine                 | ND                     | ND                     | ND                            | ND                     |
| Hexachloroethane            | ND                     | ND                     | ND                            | ND                     |
| Acetophenone                | ND                     | ND                     | ND                            | ND                     |
| Nitrobenzene                | ND                     | ND                     | ND                            | ND                     |
| N-Nitrosopiperidine         | ND                     | ND                     | ND                            | ND                     |
| Isophorone                  | ND                     | ND                     | ND                            | ND                     |
| 2-Nitrophenol               | ND                     | ND                     | ND                            | ND                     |
| 2,4-Dimethylphenol          | ND                     | ND                     | ND                            | ND                     |
| bis(2-Chloroethoxy)methane  | ND                     | ND                     | ND                            | ND                     |
| 2,4-Dichlorophenol          | ND                     | ND                     | ND                            | ND                     |
| 4-Chloroaniline             | ND                     | ND                     | ND                            | ND                     |
| 1,2,4-Trichlorobenzene      | ND                     | ND                     | ND                            | ND                     |
| Naphthalene                 | ND                     | 126.75                 | 0.67                          | ND                     |
| 2,6-Dichlorophenol          | ND                     | ND                     | ND                            | ND                     |
| Hexachloropropene           | ND                     | ND                     | ND                            | ND                     |
| Hexachlorobutadiene         | ND                     | ND                     | ND                            | ND                     |
| N-Nitrosodibutylamine       | ND                     | ND                     | ND                            | ND                     |
| 4-Chloro-3-methylphenol     | ND                     | ND                     | ND                            | ND                     |
| Safrole                     | ND                     | ND                     | ND                            | ND                     |
| 2-Methylnaphthalene         | ND                     | 52.82                  | 0.28                          | ND                     |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                     | ND                            | ND                     |
| 2,4,6-Trichlorophenol       | ND                     | ND                     | ND                            | ND                     |
| Hexachlorocyclopentadiene   | ND                     | ND                     | ND                            | ND                     |
| 2,4,5-Trichlorophenol       | ND                     | ND                     | ND                            | ND                     |
| 2-Nitroaniline              | ND                     | ND                     | ND                            | ND                     |
| Isosafrole                  | ND                     | ND                     | ND                            | ND                     |
| 2-Chloronaphthalene         | ND                     | ND                     | ND                            | ND                     |
| 1,4-Naphthoquinone          | ND                     | ND                     | ND                            | ND                     |
| Dimethyl phthalate          | ND                     | ND                     | ND                            | ND                     |
| 1,3-Dintrobenzene           | ND                     | ND                     | ND                            | ND                     |
| 2,6-Dinitrotoluene          | ND                     | ND                     | ND                            | ND                     |
| 3-Nitroaniline              | ND                     | ND                     | ND                            | ND                     |
| Acenaphthylene              | ND                     | 2.46                   | 0.01                          | U                      |
| 2,4-Dinitrophenol           | ND                     | ND                     | ND                            | ND                     |
| 4-Nitrophenol               | ND                     | ND                     | ND                            | ND                     |
| Acenaphthene                | ND                     | 1.39                   | 0.01                          | U                      |
| 2,4-Dinitrotoluene          | ND                     | ND                     | ND                            | ND                     |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

|                      |                     |           |                     |
|----------------------|---------------------|-----------|---------------------|
| <b>Sample I.D.</b>   | 24378 - Field Blank | 24379     | 24632 - Field Blank |
| <b>File I.D.</b>     | ENG2729.D           | ENG2730.D | ENG2768.D           |
| <b>Date Sampled</b>  | 12/3/2001           | 12/3/2001 | 12/15/2001          |
| <b>Date Analyzed</b> | 1/14/2002           | 1/14/2002 | 1/16/2002           |

Actual Vol (m<sup>3</sup>)Actual Vol (m<sup>3</sup>)

188.9

Actual Vol (m<sup>3</sup>)

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> |
|-------------------------------|------------------------|------------------------|-------------------------------|------------------------|
| 2-Naphthylamine               | ND                     | ND                     | ND                            | ND                     |
| Dibenzofuran                  | ND                     | 1.96                   | 0.01                          | U                      |
| Pentachlorobenzene            | ND                     | ND                     | ND                            | ND                     |
| 1-Naphthylamine               | ND                     | ND                     | ND                            | ND                     |
| Diethyl phthalate             | ND                     | 24.78                  | 0.13                          | ND                     |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                     | ND                            | ND                     |
| 4-Nitroaniline                | ND                     | ND                     | ND                            | ND                     |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                     | ND                            | ND                     |
| Fluorene                      | ND                     | 2.43                   | 0.01                          | U                      |
| 5-Nitro-o-toluidine           | ND                     | ND                     | ND                            | ND                     |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                     | ND                            | ND                     |
| Diphenylamine                 | ND                     | ND                     | ND                            | ND                     |
| Azobenzene                    | ND                     | ND                     | ND                            | ND                     |
| Phenacetin                    | ND                     | ND                     | ND                            | ND                     |
| Diallate                      | ND                     | ND                     | ND                            | ND                     |
| 4-Bromophenyl phenyl ether    | ND                     | ND                     | ND                            | ND                     |
| 4-Aminobiphenyl               | ND                     | ND                     | ND                            | ND                     |
| Hexachlorobenzene             | ND                     | ND                     | ND                            | ND                     |
| Pronamide                     | ND                     | ND                     | ND                            | ND                     |
| Pentachlorophenol             | ND                     | ND                     | ND                            | ND                     |
| Pentachloronitrobenzene       | ND                     | ND                     | ND                            | ND                     |
| Phenanthrene                  | ND                     | 4.14                   | 0.02                          | U                      |
| Dinoseb                       | ND                     | ND                     | ND                            | ND                     |
| Anthracene                    | ND                     | ND                     | ND                            | ND                     |
| Carbazole                     | ND                     | ND                     | ND                            | ND                     |
| Di-n-butyl phthalate          | ND                     | ND                     | ND                            | ND                     |
| Benzidine                     | ND                     | ND                     | ND                            | ND                     |
| Isodrin                       | ND                     | ND                     | ND                            | ND                     |
| Fluoranthene                  | ND                     | 0.69                   | 0.004                         | U                      |
| Pyrene                        | ND                     | 1.22                   | 0.01                          | U                      |
| 4-Dimethylaminoazobenzene     | ND                     | ND                     | ND                            | ND                     |
| Chlorobenzilate               | ND                     | ND                     | ND                            | ND                     |
| 3,3'-Dimethylbenzidine        | ND                     | ND                     | ND                            | ND                     |
| Butyl benzyl phthalate        | ND                     | ND                     | ND                            | ND                     |
| 2-Acetylaminofluorene         | ND                     | ND                     | ND                            | ND                     |
| 3-Methylcholanthrene          | ND                     | ND                     | ND                            | ND                     |
| 3,3'-Dichlorobenzidine        | ND                     | ND                     | ND                            | ND                     |
| bis(2-Ethylhexyl)phthalate    | ND                     | ND                     | ND                            | ND                     |
| Benzo(a)anthracene            | ND                     | ND                     | ND                            | ND                     |
| Chrysene                      | ND                     | ND                     | ND                            | ND                     |
| Di-n-octyl phthalate          | ND                     | ND                     | ND                            | ND                     |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                     | ND                            | ND                     |
| Benzo(b)fluoranthene          | ND                     | ND                     | ND                            | ND                     |
| Benzo(k)fluoranthene          | ND                     | ND                     | ND                            | ND                     |
| Benzo(a)pyrene                | ND                     | ND                     | ND                            | ND                     |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                     | ND                            | ND                     |
| Dibenz(a,h)anthracene         | ND                     | ND                     | ND                            | ND                     |
| Benzo(g,h,i)perylene          | ND                     | ND                     | ND                            | ND                     |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 24633                        |                               | 24958                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2769.D                    |                               | ENG2796.D                    |                               |
| <b>Date Sampled</b>         | 12/15/2001                   |                               | 12/27/2001                   |                               |
| <b>Date Analyzed</b>        | 1/16/2002                    |                               | 1/17/2002                    |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 195.0                         | Actual Vol (m <sup>3</sup> ) | 216.8                         |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 40.59                        | 0.21                          | 9.35                         | 0.04                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 95.57                        | 0.49                          | 27.26                        | 0.13                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 44.04                        | 0.23                          | 13.18                        | 0.06                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | 1.47                         | 0.01                          | U                            | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 0.37                         | 0.002                         | U                            | 0.18                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 24633                        | 24958                         |                              |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>               | ENG2769.D                    | ENG2796.D                     |                              |                               |
| <b>Date Sampled</b>            | 12/15/2001                   | 12/27/2001                    |                              |                               |
| <b>Date Analyzed</b>           | 1/16/2002                    | 1/17/2002                     |                              |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 195.0                         | Actual Vol (m <sup>3</sup> ) | 216.8                         |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                   | 0.97                         | 0.005                         | U                            | 0.66                          |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate              | 19.60                        | 0.10                          | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            |
| Fluorene                       | 1.06                         | 0.01                          | U                            | 0.46                          |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            |
| Diallate                       | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                   | 2.61                         | 0.01                          | U                            | 1.20                          |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>          | 19919                        | <b>20027</b>                  | 20032                        |                               |                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------|-------------------------------|
| <b>File I.D.</b>            | VOID                         | VOID                          | ENG1987.D                    |                               |                        |                               |
| <b>Date Sampled</b>         | 4/19/2001                    | 4/25/2001                     | 5/1/2001                     |                               |                        |                               |
| <b>Date Analyzed</b>        |                              |                               | 5/25/2001                    |                               |                        |                               |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  | Actual Vol (m <sup>3</sup> ) | 198.0                         |                        |                               |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      |                              |                               | ND                           | ND                            |                        |                               |
| Pyridine                    |                              |                               | ND                           | ND                            |                        |                               |
| Ethyl methanesulfonate      |                              |                               | ND                           | ND                            |                        |                               |
| 2-Picoline                  |                              |                               | ND                           | ND                            |                        |                               |
| N-Nitrosomethylethylamine   |                              |                               | ND                           | ND                            |                        |                               |
| Methyl methanesulfonate     |                              |                               | ND                           | ND                            |                        |                               |
| N-Nitrosodiethylamine       |                              |                               | ND                           | ND                            |                        |                               |
| Phenol                      |                              |                               | 14.71                        | 0.07                          |                        | U                             |
| Pentachloroethane           |                              |                               | ND                           | ND                            |                        |                               |
| bis (2-Chloroethyl)ether    |                              |                               | ND                           | ND                            |                        |                               |
| Aniline                     |                              |                               | ND                           | ND                            |                        |                               |
| 2-Chlorophenol              |                              |                               | ND                           | ND                            |                        |                               |
| 1,3-Dichlorobenzene         |                              |                               | ND                           | ND                            |                        |                               |
| 1,4-Dichlorobenzene         |                              |                               | 31.68                        | 0.16                          |                        |                               |
| Benzyl alcohol              |                              |                               | ND                           | ND                            |                        |                               |
| 2-Methylphenol              |                              |                               | ND                           | ND                            |                        |                               |
| 1,2-Dichlorobenzene         |                              |                               | ND                           | ND                            |                        |                               |
| bis(2-Chloroisopropyl)ether |                              |                               | ND                           | ND                            |                        |                               |
| 3&4-Methylphenol            |                              |                               | ND                           | ND                            |                        |                               |
| N-Nitrosopyrrolidine        |                              |                               | ND                           | ND                            |                        |                               |
| N-Nitrosodipropylamine      |                              |                               | ND                           | ND                            |                        |                               |
| o-Toluidine                 |                              |                               | ND                           | ND                            |                        |                               |
| Hexachloroethane            |                              |                               | ND                           | ND                            |                        |                               |
| Acetophenone                |                              |                               | ND                           | ND                            |                        |                               |
| Nitrobenzene                |                              |                               | ND                           | ND                            |                        |                               |
| N-Nitrosopiperidine         |                              |                               | ND                           | ND                            |                        |                               |
| Isophorone                  |                              |                               | ND                           | ND                            |                        |                               |
| 2-Nitrophenol               |                              |                               | ND                           | ND                            |                        |                               |
| 2,4-Dimethylphenol          |                              |                               | ND                           | ND                            |                        |                               |
| bis(2-Chloroethoxy)methane  |                              |                               | ND                           | ND                            |                        |                               |
| 2,4-Dichlorophenol          |                              |                               | ND                           | ND                            |                        |                               |
| 4-Chloroaniline             |                              |                               | ND                           | ND                            |                        |                               |
| 1,2,4-Trichlorobenzene      |                              |                               | ND                           | ND                            |                        |                               |
| Naphthalene                 |                              |                               | 103.15                       | 0.52                          |                        |                               |
| 2,6-Dichlorophenol          |                              |                               | ND                           | ND                            |                        |                               |
| Hexachloropropene           |                              |                               | ND                           | ND                            |                        |                               |
| Hexachlorobutadiene         |                              |                               | ND                           | ND                            |                        |                               |
| N-Nitrosodibutylamine       |                              |                               | ND                           | ND                            |                        |                               |
| 4-Chloro-3-methylphenol     |                              |                               | ND                           | ND                            |                        |                               |
| Safrole                     |                              |                               | ND                           | ND                            |                        |                               |
| 2-Methylnaphthalene         |                              |                               | 50.10                        | 0.25                          |                        |                               |
| 1,2,4,5-Tetrachlorobenzene  |                              |                               | ND                           | ND                            |                        |                               |
| 2,4,6-Trichlorophenol       |                              |                               | ND                           | ND                            |                        |                               |
| Hexachlorocyclopentadiene   |                              |                               | ND                           | ND                            |                        |                               |
| 2,4,5-Trichlorophenol       |                              |                               | ND                           | ND                            |                        |                               |
| 2-Nitroaniline              |                              |                               | ND                           | ND                            |                        |                               |
| Isosafrole                  |                              |                               | ND                           | ND                            |                        |                               |
| 2-Chloronaphthalene         |                              |                               | ND                           | ND                            |                        |                               |
| 1,4-Naphthoquinone          |                              |                               | ND                           | ND                            |                        |                               |
| Dimethyl phthalate          |                              |                               | ND                           | ND                            |                        |                               |
| 1,3-Dinitrobenzene          |                              |                               | ND                           | ND                            |                        |                               |
| 2,6-Dinitrotoluene          |                              |                               | ND                           | ND                            |                        |                               |
| 3-Nitroaniline              |                              |                               | ND                           | ND                            |                        |                               |
| Acenaphthylene              |                              |                               | ND                           | ND                            |                        |                               |
| 2,4-Dinitrophenol           |                              |                               | ND                           | ND                            |                        |                               |
| 4-Nitrophenol               |                              |                               | ND                           | ND                            |                        |                               |
| Acenaphthene                |                              |                               | 3.73                         | 0.02                          |                        | U                             |
| 2,4-Dinitrotoluene          |                              |                               | ND                           | ND                            |                        |                               |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 19919                        | <b>20027</b>                  | 20032                        |                               |                        |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------|-------------------------------|
| <b>File I.D.</b>               | VOID                         | VOID                          | ENG1987.D                    |                               |                        |                               |
| <b>Date Sampled</b>            | 4/19/2001                    | 4/25/2001                     | 5/1/2001                     |                               |                        |                               |
| <b>Date Analyzed</b>           |                              |                               | 5/25/2001                    |                               |                        |                               |
|                                | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  | Actual Vol (m <sup>3</sup> ) | 198.0                         |                        |                               |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine                |                              |                               | ND                           | ND                            |                        |                               |
| Dibenzofuran                   |                              |                               | 5.68                         | 0.03                          | U                      |                               |
| Pentachlorobenzene             |                              |                               | ND                           | ND                            |                        |                               |
| 1-Naphthylamine                |                              |                               | ND                           | ND                            |                        |                               |
| Diethyl phthalate              |                              |                               | 1.81                         | 0.01                          | U                      |                               |
| 2,3,4,6-Tetrachlorophenol      |                              |                               | ND                           | ND                            |                        |                               |
| 4-Nitroaniline                 |                              |                               | ND                           | ND                            |                        |                               |
| 4-Chlorophenyl-phenyl ether    |                              |                               | ND                           | ND                            |                        |                               |
| Fluorene                       |                              |                               | 4.29                         | 0.02                          | U                      |                               |
| 5-Nitro-o-toluidine            |                              |                               | ND                           | ND                            |                        |                               |
| 4,6-Dinitro-2-methylphenol     |                              |                               | ND                           | ND                            |                        |                               |
| Diphenylamine                  |                              |                               | ND                           | ND                            |                        |                               |
| Azobenzene                     |                              |                               | ND                           | ND                            |                        |                               |
| Phenacetin                     |                              |                               | ND                           | ND                            |                        |                               |
| Diallate                       |                              |                               | ND                           | ND                            |                        |                               |
| 4-Bromophenyl phenyl ether     |                              |                               | ND                           | ND                            |                        |                               |
| 4-Aminobiphenyl                |                              |                               | ND                           | ND                            |                        |                               |
| Hexachlorobenzene              |                              |                               | ND                           | ND                            |                        |                               |
| Pronamide                      |                              |                               | ND                           | ND                            |                        |                               |
| Pentachlorophenol              |                              |                               | ND                           | ND                            |                        |                               |
| Pentachloronitrobenzene        |                              |                               | ND                           | ND                            |                        |                               |
| Phenanthrene                   |                              |                               | 12.98                        | 0.07                          |                        |                               |
| Dinoseb                        |                              |                               | ND                           | ND                            |                        |                               |
| Anthracene                     |                              |                               | ND                           | ND                            |                        |                               |
| Carbazole                      |                              |                               | ND                           | ND                            |                        |                               |
| Di-n-butyl phthalate           |                              |                               | 32.01                        | 0.16                          |                        |                               |
| Benzidine                      |                              |                               | ND                           | ND                            |                        |                               |
| Isodrin                        |                              |                               | ND                           | ND                            |                        |                               |
| Fluoranthene                   |                              |                               | 2.46                         | 0.01                          | U                      |                               |
| Pyrene                         |                              |                               | ND                           | ND                            |                        |                               |
| 4-Dimethylaminoazobenzene      |                              |                               | ND                           | ND                            |                        |                               |
| Chlorobenzilate                |                              |                               | ND                           | ND                            |                        |                               |
| 3,3'-Dimethylbenzidine         |                              |                               | ND                           | ND                            |                        |                               |
| Butyl benzyl phthalate         |                              |                               | ND                           | ND                            |                        |                               |
| 2-Acetylaminofluorene          |                              |                               | ND                           | ND                            |                        |                               |
| 3-Methylcholanthrene           |                              |                               | ND                           | ND                            |                        |                               |
| 3,3'-Dichlorobenzidine         |                              |                               | ND                           | ND                            |                        |                               |
| bis(2-Ethylhexyl)phthalate     |                              |                               | 86.83                        | 0.44                          |                        |                               |
| Benzo(a)anthracene             |                              |                               | ND                           | ND                            |                        |                               |
| Chrysene                       |                              |                               | ND                           | ND                            |                        |                               |
| Di-n-octyl phthalate           |                              |                               | ND                           | ND                            |                        |                               |
| 7,12-Dimethylbenz(a)anthracene |                              |                               | ND                           | ND                            |                        |                               |
| Benzo(b)fluoranthene           |                              |                               | ND                           | ND                            |                        |                               |
| Benzo(k)fluoranthene           |                              |                               | ND                           | ND                            |                        |                               |
| Benzo(a)pyrene                 |                              |                               | ND                           | ND                            |                        |                               |
| Indeno(1,2,3-cd)pyrene         |                              |                               | ND                           | ND                            |                        |                               |
| Dibenz(a,h)anthracene          |                              |                               | ND                           | ND                            |                        |                               |
| Benzo(g,h,i)perylene           |                              |                               | ND                           | ND                            |                        |                               |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.   | 20180                        | 20184 - Field Blank | 20185                        |
|---------------|------------------------------|---------------------|------------------------------|
| File I.D.     | ENG1999.D                    | ENG2003.D           | ENG2004.D                    |
| Date Sampled  | 5/7/2001                     | 5/13/2001           | 5/13/2001                    |
| Date Analyzed | 6/15/2001                    | 6/15/2001           | 6/15/2001                    |
|               | Actual Vol (m <sup>3</sup> ) | 207.3               | Actual Vol (m <sup>3</sup> ) |
|               |                              |                     | 219.4                        |

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final Conc (µg) | Final µg/m <sup>3</sup> |
|-----------------------------|-----------------|-------------------------|-----------------|-----------------|-------------------------|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND              | ND                      |
| Pyridine                    | ND              | ND                      | ND              | ND              | ND                      |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND              | ND                      |
| 2-Picoline                  | ND              | ND                      | ND              | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND              | ND                      | ND              | ND              | ND                      |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND              | ND                      |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND              | ND                      |
| Phenol                      | ND              | ND                      | ND              | ND              | ND                      |
| Pentachloroethane           | ND              | ND                      | ND              | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND              | ND                      |
| Aniline                     | ND              | ND                      | ND              | ND              | ND                      |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND              | ND                      |
| 1,4-Dichlorobenzene         | 13.88           | 0.07                    | ND              | 29.49           | 0.13                    |
| Benzyl alcohol              | ND              | ND                      | ND              | ND              | ND                      |
| 2-Methylphenol              | ND              | ND                      | ND              | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND              | ND                      |
| 3&4-Methylphenol            | ND              | ND                      | ND              | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND              | ND                      |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND              | ND                      |
| o-Toluidine                 | ND              | ND                      | ND              | ND              | ND                      |
| Hexachloroethane            | ND              | ND                      | ND              | ND              | ND                      |
| Acetophenone                | ND              | ND                      | ND              | ND              | ND                      |
| Nitrobenzene                | ND              | ND                      | ND              | ND              | ND                      |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND              | ND                      |
| Isophorone                  | ND              | ND                      | ND              | ND              | ND                      |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND              | ND                      |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND              | ND                      |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND              | ND                      |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND              | ND                      |
| Naphthalene                 | 52.22           | 0.25                    | ND              | 60.13           | 0.27                    |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND              | ND                      |
| Hexachloropropene           | ND              | ND                      | ND              | ND              | ND                      |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND              | ND                      |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND              | ND                      |
| Safrole                     | ND              | ND                      | ND              | ND              | ND                      |
| 2-Methylnaphthalene         | 26.48           | 0.13                    | ND              | 28.24           | 0.13                    |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND              | ND                      |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND              | ND                      |
| Isosafrole                  | ND              | ND                      | ND              | ND              | ND                      |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND              | ND                      |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND              | ND                      |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND              | ND                      |
| 1,3-Dintrobenzene           | ND              | ND                      | ND              | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND              | ND                      |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND              | ND                      |
| Acenaphthylene              | ND              | ND                      | ND              | ND              | ND                      |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND              | ND                      |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND              | ND                      |
| Acenaphthene                | 0.83            | 0.004                   | U               | ND              | 0.01                    |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.   | 20180                        | 20184 - Field Blank | 20185                        |
|---------------|------------------------------|---------------------|------------------------------|
| File I.D.     | ENG1999.D                    | ENG2003.D           | ENG2004.D                    |
| Date Sampled  | 5/7/2001                     | 5/13/2001           | 5/13/2001                    |
| Date Analyzed | 6/15/2001                    | 6/15/2001           | 6/15/2001                    |
|               | Actual Vol (m <sup>3</sup> ) | 207.3               | Actual Vol (m <sup>3</sup> ) |
|               |                              |                     | 219.4                        |

| Compound                      | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final Conc (µg) | Final µg/m <sup>3</sup> |      |
|-------------------------------|-----------------|-------------------------|-----------------|-----------------|-------------------------|------|
| 2-Naphthylamine               | ND              | ND                      | ND              | ND              | ND                      |      |
| Dibenzofuran                  | 2.02            | 0.01                    | U               | ND              | 1.73                    | 0.01 |
| Pentachlorobenzene            | ND              | ND                      | ND              | ND              | ND                      |      |
| 1-Naphthylamine               | ND              | ND                      | ND              | ND              | ND                      |      |
| Diethyl phthalate             | 1.35            | 0.01                    | U               | ND              | ND                      | ND   |
| 2,3,4,6-Tetrachlorophenol     | ND              | ND                      | ND              | ND              | ND                      |      |
| 4-Nitroaniline                | ND              | ND                      | ND              | ND              | ND                      |      |
| 4-Chlorophenyl-phenyl ether   | ND              | ND                      | ND              | ND              | ND                      |      |
| Fluorene                      | 1.61            | 0.01                    | U               | ND              | 1.71                    | 0.01 |
| 5-Nitro-o-toluidine           | ND              | ND                      | ND              | ND              | ND                      |      |
| 4,6-Dinitro-2-methylphenol    | ND              | ND                      | ND              | ND              | ND                      |      |
| Diphenylamine                 | ND              | ND                      | ND              | ND              | ND                      |      |
| Azobenzene                    | ND              | ND                      | ND              | ND              | ND                      |      |
| Phenacetin                    | ND              | ND                      | ND              | ND              | ND                      |      |
| Diallate                      | ND              | ND                      | ND              | ND              | ND                      |      |
| 4-Bromophenyl phenyl ether    | ND              | ND                      | ND              | ND              | ND                      |      |
| 4-Aminobiphenyl               | ND              | ND                      | ND              | ND              | ND                      |      |
| Hexachlorobenzene             | ND              | ND                      | ND              | ND              | ND                      |      |
| Pronamide                     | ND              | ND                      | ND              | ND              | ND                      |      |
| Pentachlorophenol             | ND              | ND                      | ND              | ND              | ND                      |      |
| Pentachloronitrobenzene       | ND              | ND                      | ND              | ND              | ND                      |      |
| Phenanthrene                  | 5.26            | 0.03                    | U               | ND              | 6.00                    | 0.03 |
| Dinoseb                       | ND              | ND                      | ND              | ND              | ND                      |      |
| Anthracene                    | ND              | ND                      | ND              | ND              | ND                      |      |
| Carbazole                     | ND              | ND                      | ND              | ND              | ND                      |      |
| Di-n-butyl phthalate          | 72.84           | 0.35                    |                 | ND              | 54.01                   | 0.25 |
| Benzidine                     | ND              | ND                      | ND              | ND              | ND                      |      |
| Isodrin                       | ND              | ND                      | ND              | ND              | ND                      |      |
| Fluoranthene                  | ND              | ND                      | ND              | ND              | ND                      |      |
| Pyrene                        | ND              | ND                      | ND              | ND              | ND                      |      |
| 4-Dimethylaminoazobenzene     | ND              | ND                      | ND              | ND              | ND                      |      |
| Chlorobenzilate               | ND              | ND                      | ND              | ND              | ND                      |      |
| 3,3'-Dimethylbenzidine        | ND              | ND                      | ND              | ND              | ND                      |      |
| Butyl benzyl phthalate        | ND              | ND                      | ND              | ND              | ND                      |      |
| 2-Acetylaminofluorene         | ND              | ND                      | ND              | ND              | ND                      |      |
| 3-Methylcholanthrene          | ND              | ND                      | ND              | ND              | ND                      |      |
| 3,3'-Dichlorobenzidine        | ND              | ND                      | ND              | ND              | ND                      |      |
| bis(2-Ethylhexyl)phthalate    | 3.36            | 0.02                    | U               | ND              | ND                      |      |
| Benzo(a)anthracene            | ND              | ND                      | ND              | ND              | ND                      |      |
| Chrysene                      | ND              | ND                      | ND              | ND              | ND                      |      |
| Di-n-octyl phthalate          | ND              | ND                      | ND              | ND              | ND                      |      |
| 7,12-Dimethylbenz(a)anthracen | ND              | ND                      | ND              | ND              | ND                      |      |
| Benzo(b)fluoranthene          | ND              | ND                      | ND              | ND              | ND                      |      |
| Benzo(k)fluoranthene          | ND              | ND                      | ND              | ND              | ND                      |      |
| Benzo(a)pyrene                | ND              | ND                      | ND              | ND              | ND                      |      |
| Indeno(1,2,3-cd)pyrene        | ND              | ND                      | ND              | ND              | ND                      |      |
| Dibenz(a,h)anthracene         | ND              | ND                      | ND              | ND              | ND                      |      |
| Benzo(g,h,i)perylene          | ND              | ND                      | ND              | ND              | ND                      |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                    | 20338           | 20339           |                 | 20463           |                 |             |
|--------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|
| File I.D.                      | ENG2019.D       | Actual Vol (m³) | 256.6           | Actual Vol (m³) | 248.4           |             |
| Date Sampled                   | 5/19/2001       | ENG2020.D       |                 | Actual Vol (m³) | 233.4           |             |
| Date Analyzed                  | 6/16/2001       | 6/16/2001       |                 | ND              | ND              |             |
|                                |                 | Actual Vol (m³) | 256.6           | Actual Vol (m³) | 248.4           |             |
| Compound                       | Final Conc (µg) | Final µg/m³     | Final Conc (µg) | Final µg/m³     | Final Conc (µg) | Final µg/m³ |
| N-Nitrosodimethylamine         | ND              | ND              | ND              | ND              | ND              | ND          |
| Pyridine                       | ND              | ND              | ND              | ND              | ND              | ND          |
| Ethyl methanesulfonate         | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Picoline                     | ND              | ND              | ND              | ND              | ND              | ND          |
| N-Nitrosomethylmethamphetamine | ND              | ND              | ND              | ND              | ND              | ND          |
| Methyl methanesulfonate        | ND              | ND              | ND              | ND              | ND              | ND          |
| N-Nitrosodiethylamine          | ND              | ND              | ND              | ND              | ND              | ND          |
| Phenol                         | ND              | ND              | ND              | ND              | ND              | ND          |
| Pentachloroethane              | ND              | ND              | ND              | ND              | ND              | ND          |
| bis (2-Chloroethyl)ether       | ND              | ND              | ND              | ND              | ND              | ND          |
| Aniline                        | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Chlorophenol                 | ND              | ND              | ND              | ND              | ND              | ND          |
| 1,3-Dichlorobenzene            | ND              | ND              | ND              | ND              | ND              | ND          |
| 1,4-Dichlorobenzene            | 35.54           | 0.14            | 37.88           | 0.15            | 25.06           | 0.11        |
| Benzyl alcohol                 | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Methylphenol                 | ND              | ND              | ND              | ND              | ND              | ND          |
| 1,2-Dichlorobenzene            | ND              | ND              | ND              | ND              | ND              | ND          |
| bis(2-Chloroisopropyl)ether    | ND              | ND              | ND              | ND              | ND              | ND          |
| 3&4-Methylphenol               | ND              | ND              | ND              | ND              | ND              | ND          |
| N-Nitrosopyrrolidine           | ND              | ND              | ND              | ND              | ND              | ND          |
| N-Nitrosodipropylamine         | ND              | ND              | ND              | ND              | ND              | ND          |
| o-Toluidine                    | ND              | ND              | ND              | ND              | ND              | ND          |
| Hexachloroethane               | ND              | ND              | ND              | ND              | ND              | ND          |
| Acetophenone                   | ND              | ND              | ND              | ND              | ND              | ND          |
| Nitrobenzene                   | ND              | ND              | ND              | ND              | ND              | ND          |
| N-Nitrosopiperidine            | ND              | ND              | ND              | ND              | ND              | ND          |
| Isophorone                     | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Nitrophenol                  | ND              | ND              | ND              | ND              | ND              | ND          |
| 2,4-Dimethylphenol             | ND              | ND              | ND              | ND              | ND              | ND          |
| bis(2-Chloroethoxy)methane     | ND              | ND              | ND              | ND              | ND              | ND          |
| 2,4-Dichlorophenol             | ND              | ND              | ND              | ND              | ND              | ND          |
| 4-Chloroaniline                | ND              | ND              | ND              | ND              | ND              | ND          |
| 1,2,4-Trichlorobenzene         | ND              | ND              | ND              | ND              | ND              | ND          |
| Naphthalene                    | 108.84          | 0.42            | 144.84          | 0.58            | 65.18           | 0.28        |
| 2,6-Dichlorophenol             | ND              | ND              | ND              | ND              | ND              | ND          |
| Hexachloropropene              | ND              | ND              | ND              | ND              | ND              | ND          |
| Hexachlorobutadiene            | ND              | ND              | ND              | ND              | ND              | ND          |
| N-Nitrosodibutylamine          | ND              | ND              | ND              | ND              | ND              | ND          |
| 4-Chloro-3-methylphenol        | ND              | ND              | ND              | ND              | ND              | ND          |
| Safrole                        | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Methylnaphthalene            | 45.91           | 0.18            | 58.87           | 0.24            | 29.71           | 0.13        |
| 1,2,4,5-Tetrachlorobenzene     | ND              | ND              | ND              | ND              | ND              | ND          |
| 2,4,6-Trichlorophenol          | ND              | ND              | ND              | ND              | ND              | ND          |
| Hexachlorocyclopentadiene      | ND              | ND              | ND              | ND              | ND              | ND          |
| 2,4,5-Trichlorophenol          | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Nitroaniline                 | ND              | ND              | ND              | ND              | ND              | ND          |
| Isosafrole                     | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Chloronaphthalene            | ND              | ND              | ND              | ND              | ND              | ND          |
| 1,4-Naphthoquinone             | ND              | ND              | ND              | ND              | ND              | ND          |
| Dimethyl phthalate             | ND              | ND              | ND              | ND              | ND              | ND          |
| 1,3-Dintrobenzene              | ND              | ND              | ND              | ND              | ND              | ND          |
| 2,6-Dinitrotoluene             | ND              | ND              | ND              | ND              | ND              | ND          |
| 3-Nitroaniline                 | ND              | ND              | ND              | ND              | ND              | ND          |
| Acenaphthylene                 | 0.64            | 0.002           | U               | 1.28            | 0.01            | U           |
| 2,4-Dinitrophenol              | ND              | ND              | ND              | ND              | ND              | ND          |
| 4-Nitrophenol                  | ND              | ND              | ND              | ND              | ND              | ND          |
| Acenaphthene                   | 3.26            | 0.01            | U               | 1.61            | 0.01            | U           |
| 2,4-Dinitrotoluene             | ND              | ND              | ND              | ND              | 0.64            | 0.003       |
|                                |                 |                 |                 |                 | ND              | U           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                    | 20338                        | 20339                   |                              | 20463                   |                              |
|--------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                      | ENG2019.D                    | ENG2020.D               |                              | ENG2033.D               |                              |
| Date Sampled                   | 5/19/2001                    | 5/25/2001               |                              | 5/31/2001               |                              |
| Date Analyzed                  | 6/16/2001                    | 6/16/2001               |                              | 6/21/2001               |                              |
|                                | Actual Vol (m <sup>3</sup> ) | 256.6                   | Actual Vol (m <sup>3</sup> ) | 248.4                   | Actual Vol (m <sup>3</sup> ) |
| Compound                       | Final Conc (ug)              | Final ug/m <sup>3</sup> | Final Conc (ug)              | Final ug/m <sup>3</sup> | Final Conc (ug)              |
|                                |                              |                         |                              |                         | Final ug/m <sup>3</sup>      |
| 2-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dibenzofuran                   | 3.90                         | 0.02                    | U                            | 2.21                    | 0.01                         |
| Pentachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Diethyl phthalate              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Nitroaniline                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Fluorene                       | 3.71                         | 0.01                    | U                            | 2.54                    | 0.01                         |
| 5-Nitro-o-toluidine            | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Diphenylamine                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| Azobenzene                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenacetin                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Diallate                       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Bromophenyl phenyl ether     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Aminobiphenyl                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorobenzene              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pronamide                      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pentachlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pentachloronitrobenzene        | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenanthrene                   | 10.81                        | 0.04                    | 6.82                         | 0.03                    | U                            |
| Dinoseb                        | ND                           | ND                      | ND                           | ND                      | ND                           |
| Anthracene                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Carbazole                      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Di-n-butyl phthalate           | 31.90                        | 0.12                    | 43.33                        | 0.17                    | 12.09                        |
| Benzidine                      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isodrin                        | ND                           | ND                      | ND                           | ND                      | ND                           |
| Fluoranthene                   | 1.70                         | 0.01                    | U                            | ND                      | ND                           |
| Pyrene                         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Dimethylaminoazobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Chlorobenzilate                | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3,3'-Dimethylbenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Butyl benzyl phthalate         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Acetylaminofluorene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3-Methylcholanthrene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3,3'-Dichlorobenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Benzo(a)anthracene             | ND                           | ND                      | ND                           | ND                      | ND                           |
| Chrysene                       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Di-n-octyl phthalate           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                      | ND                           | ND                      | ND                           |
| Benzo(b)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Benzo(k)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Benzo(a)pyrene                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dibenz(a,h)anthracene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Benzo(g,h,i)perylene           | ND                           | ND                      | ND                           | ND                      | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                 | 20570           | 20635           |                 | 21020           |                 |             |
|-----------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|
| File I.D.                   | ENG2043.D       | Actual Vol (m³) | 229.1           | Actual Vol (m³) | 214.8           |             |
| Date Sampled                | 6/6/2001        | ENG2070.D       |                 | ENG2130.D       |                 |             |
| Date Analyzed               | 6/22/2001       | 6/12/2001       |                 | 6/18/2001       |                 |             |
|                             |                 | 6/28/2001       |                 | 7/13/2001       |                 |             |
|                             | Actual Vol (m³) |                 |                 | Actual Vol (m³) | 213.6           |             |
| Compound                    | Final Conc (µg) | Final µg/m³     | Final Conc (µg) | Final µg/m³     | Final Conc (µg) | Final µg/m³ |
| N-Nitrosodimethylamine      | ND              | ND              | ND              | ND              | ND              | ND          |
| Pyridine                    | ND              | ND              | ND              | ND              | ND              | ND          |
| Ethyl methanesulfonate      | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Picoline                  | ND              | ND              | ND              | ND              | ND              | ND          |
| N-Nitrosomethylethylamine   | ND              | ND              | ND              | ND              | ND              | ND          |
| Methyl methanesulfonate     | ND              | ND              | ND              | ND              | ND              | ND          |
| N-Nitrosodiethylamine       | ND              | ND              | ND              | ND              | ND              | ND          |
| Phenol                      | ND              | ND              | ND              | ND              | ND              | ND          |
| Pentachloroethane           | ND              | ND              | ND              | ND              | ND              | ND          |
| bis (2-Chloroethyl)ether    | ND              | ND              | ND              | ND              | ND              | ND          |
| Aniline                     | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Chlorophenol              | ND              | ND              | ND              | ND              | ND              | ND          |
| 1,3-Dichlorobenzene         | ND              | ND              | ND              | ND              | ND              | ND          |
| 1,4-Dichlorobenzene         | 21.78           | 0.10            | 18.40           | 0.09            | 34.85           | 0.16        |
| Benzyl alcohol              | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Methylphenol              | ND              | ND              | ND              | ND              | ND              | ND          |
| 1,2-Dichlorobenzene         | ND              | ND              | ND              | ND              | ND              | ND          |
| bis(2-Chloroisopropyl)ether | ND              | ND              | ND              | ND              | ND              | ND          |
| 3&4-Methylphenol            | ND              | ND              | ND              | ND              | ND              | ND          |
| N-Nitrosopyrrolidine        | ND              | ND              | ND              | ND              | ND              | ND          |
| N-Nitrosodipropylamine      | ND              | ND              | ND              | ND              | ND              | ND          |
| o-Toluidine                 | ND              | ND              | ND              | ND              | ND              | ND          |
| Hexachloroethane            | ND              | ND              | ND              | ND              | ND              | ND          |
| Acetophenone                | ND              | ND              | ND              | ND              | ND              | ND          |
| Nitrobenzene                | ND              | ND              | ND              | ND              | ND              | ND          |
| N-Nitrosopiperidine         | ND              | ND              | ND              | ND              | ND              | ND          |
| Isophorone                  | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Nitrophenol               | ND              | ND              | ND              | ND              | ND              | ND          |
| 2,4-Dimethylphenol          | ND              | ND              | ND              | ND              | ND              | ND          |
| bis(2-Chloroethoxy)methane  | ND              | ND              | ND              | ND              | ND              | ND          |
| 2,4-Dichlorophenol          | ND              | ND              | ND              | ND              | ND              | ND          |
| 4-Chloroaniline             | ND              | ND              | ND              | ND              | ND              | ND          |
| 1,2,4-Trichlorobenzene      | ND              | ND              | ND              | ND              | ND              | ND          |
| Naphthalene                 | 78.43           | 0.34            | 92.62           | 0.43            | 134.86          | 0.63        |
| 2,6-Dichlorophenol          | ND              | ND              | ND              | ND              | ND              | ND          |
| Hexachloropropene           | ND              | ND              | ND              | ND              | ND              | ND          |
| Hexachlorobutadiene         | ND              | ND              | ND              | ND              | ND              | ND          |
| N-Nitrosodibutylamine       | ND              | ND              | ND              | ND              | ND              | ND          |
| 4-Chloro-3-methylphenol     | ND              | ND              | ND              | ND              | ND              | ND          |
| Safrole                     | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Methylnaphthalene         | 40.42           | 0.18            | 39.88           | 0.19            | 60.39           | 0.28        |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND              | ND              | ND              | ND              | ND          |
| 2,4,6-Trichlorophenol       | ND              | ND              | ND              | ND              | ND              | ND          |
| Hexachlorocyclopentadiene   | ND              | ND              | ND              | ND              | ND              | ND          |
| 2,4,5-Trichlorophenol       | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Nitroaniline              | ND              | ND              | ND              | ND              | ND              | ND          |
| Isosafrole                  | ND              | ND              | ND              | ND              | ND              | ND          |
| 2-Chloronaphthalene         | ND              | ND              | ND              | ND              | ND              | ND          |
| 1,4-Naphthoquinone          | ND              | ND              | ND              | ND              | ND              | ND          |
| Dimethyl phthalate          | ND              | ND              | ND              | ND              | ND              | ND          |
| 1,3-Dintrobenzene           | ND              | ND              | ND              | ND              | ND              | ND          |
| 2,6-Dinitrotoluene          | ND              | ND              | ND              | ND              | ND              | ND          |
| 3-Nitroaniline              | ND              | ND              | ND              | ND              | ND              | ND          |
| Acenaphthylene              | 1.28            | 0.01            | U               | ND              | ND              | ND          |
| 2,4-Dinitrophenol           | ND              | ND              | ND              | ND              | ND              | ND          |
| 4-Nitrophenol               | ND              | ND              | ND              | ND              | ND              | ND          |
| Acenaphthene                | 1.34            | 0.01            | U               | 3.30            | 0.02            | U           |
| 2,4-Dinitrotoluene          | ND              | ND              | ND              | ND              | 6.05            | 0.03        |
|                             |                 |                 |                 |                 | ND              | ND          |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                    | 20570                        | 20635                        | 21020                        |                         |                 |                         |
|--------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|-----------------|-------------------------|
| File I.D.                      | ENG2043.D                    | ENG2070.D                    | ENG2130.D                    |                         |                 |                         |
| Date Sampled                   | 6/6/2001                     | 6/12/2001                    | 6/18/2001                    |                         |                 |                         |
| Date Analyzed                  | 6/22/2001                    | 6/28/2001                    | 7/13/2001                    |                         |                 |                         |
|                                | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) |                         |                 |                         |
|                                | 229.1                        | 214.8                        | 213.6                        |                         |                 |                         |
| Compound                       | Final Conc (µg)              | Final µg/m <sup>3</sup>      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
| 2-Naphthylamine                | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Dibenzofuran                   | ND                           | ND                           | 4.23                         | 0.02                    | U               | 8.53                    |
| Pentachlorobenzene             | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1-Naphthylamine                | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Diethyl phthalate              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Nitroaniline                 | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Fluorene                       | 1.97                         | 0.01                         | U                            | ND                      | ND              | 7.31                    |
| 5-Nitro-o-toluidine            | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Diphenylamine                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Azobenzene                     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Phenacetin                     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Diallate                       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Aminobiphenyl                | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachlorobenzene              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Pronamide                      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Pentachlorophenol              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Pentachloronitrobenzene        | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Phenanthrene                   | 6.00                         | 0.03                         | U                            | 11.54                   | 0.05            | 19.61                   |
| Dinoseb                        | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Anthracene                     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Carbazole                      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Di-n-butyl phthalate           | 13.48                        | 0.06                         | U                            | 20.34                   | 0.09            | 20.51                   |
| Benzidine                      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Isodrin                        | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Fluoranthene                   | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Pyrene                         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Chlorobenzilate                | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Butyl benzyl phthalate         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Acetylaminofluorene          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 3-Methylcholanthrene           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Benzo(a)anthracene             | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Chrysene                       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Di-n-octyl phthalate           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Benzo(b)fluoranthene           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Benzo(k)fluoranthene           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Benzo(a)pyrene                 | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Dibenz(a,h)anthracene          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Benzo(g,h,i)perylene           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>          | 21060                        | 21319                         | 21320                        |                               |                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2134.D                    | ENG2233.D                     | ENG2259.D                    |                               |                        |                               |
| <b>Date Sampled</b>         | 6/24/2001                    | 6/30/2001                     | 7/6/2001                     |                               |                        |                               |
| <b>Date Analyzed</b>        | 7/14/2001                    | 8/3/2001                      | 8/9/2001                     |                               |                        |                               |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  | Actual Vol (m <sup>3</sup> ) |                               |                        |                               |
|                             | 226.1                        | 246.1                         | 223.2                        |                               |                        |                               |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| N-Nitrosomethylalkylamine   | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | 17.52                  | 0.08                          |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 52.37                        | 0.23                          | 9.40                         | 0.04                          | U                      | ND                            |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Naphthalene                 | 71.97                        | 0.32                          | 63.41                        | 0.26                          | 76.62                  | 0.34                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 31.87                        | 0.14                          | 27.59                        | 0.11                          | 40.15                  | 0.18                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Acenaphthene                | 2.65                         | 0.01                          | U                            | 2.25                          | 0.01                   | U                             |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | 1.96                   | 0.01                          |
|                             |                              |                               |                              |                               | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>             | 21060                        | 21319                         |                              |                               | 21320                        |                               |             |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------|
| <b>File I.D.</b>               | ENG2134.D                    | ENG2233.D                     |                              |                               | ENG2259.D                    |                               |             |
| <b>Date Sampled</b>            | 6/24/2001                    | 6/30/2001                     |                              |                               | 7/6/2001                     |                               |             |
| <b>Date Analyzed</b>           | 7/14/2001                    | 8/3/2001                      |                              |                               | 8/9/2001                     |                               |             |
|                                | Actual Vol (m <sup>3</sup> ) | 226.1                         | Actual Vol (m <sup>3</sup> ) | 246.1                         | Actual Vol (m <sup>3</sup> ) | 223.2                         |             |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |             |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Dibenzofuran                   | 4.20                         | 0.02                          | U                            | 5.04                          | 0.02                         | U                             | 2.89 0.01 U |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Fluorene                       | 4.24                         | 0.02                          | U                            | 4.88                          | 0.02                         | U                             | 3.46 0.02 U |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Phenanthrene                   | 12.90                        | 0.06                          | 14.52                        | 0.06                          | 8.09                         | 0.04                          | U           |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Di-n-butyl phthalate           | 18.06                        | 0.08                          | 29.83                        | 0.12                          | 16.15                        | 0.07                          |             |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |             |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                 | 21519                        | 21670                   |                              | 21753                   |                              |       |       |      |   |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------|-------|------|---|
| File I.D.                   | ENG2269.D                    | ENG2290.D               |                              | ENG2305.D               |                              |       |       |      |   |
| Date Sampled                | 7/12/2001                    | 7/18/2001               |                              | 7/24/2001               |                              |       |       |      |   |
| Date Analyzed               | 8/10/2001                    | 8/17/2001               |                              | 8/21/2001               |                              |       |       |      |   |
|                             | Actual Vol (m <sup>3</sup> ) | 210.7                   | Actual Vol (m <sup>3</sup> ) | 239.1                   | Actual Vol (m <sup>3</sup> ) |       |       |      |   |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |       |       |      |   |
|                             |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |       |       |      |   |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |       |       |      |   |
| 1,4-Dichlorobenzene         | 8.11                         | 0.04                    | U                            | 21.19                   | 0.09                         | 6.16  | 0.03  | U    |   |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Naphthalene                 | 34.12                        | 0.16                    |                              | 76.23                   | 0.32                         | 51.05 | 0.23  |      |   |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 2-Methylnaphthalene         | 17.21                        | 0.08                    |                              | 30.48                   | 0.13                         | 25.64 | 0.12  |      |   |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           | 0.34  | 0.002 | U    |   |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |
| Acenaphthene                | 1.07                         | 0.01                    | U                            | 1.93                    | 0.01                         | U     | 1.79  | 0.01 | U |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND    | ND    | ND   |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>            | 21519                        | 21670                         |                              |                               | 21753                        |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2269.D                    | ENG2290.D                     |                              |                               | ENG2305.D                    |                               |      |
| <b>Date Sampled</b>           | 7/12/2001                    | 7/18/2001                     |                              |                               | 7/24/2001                    |                               |      |
| <b>Date Analyzed</b>          | 8/10/2001                    | 8/17/2001                     |                              |                               | 8/21/2001                    |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 210.7                         | Actual Vol (m <sup>3</sup> ) | 239.1                         | Actual Vol (m <sup>3</sup> ) | 220.1                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                  | 1.59                         | 0.01                          | U                            | 4.13                          | 0.02                         | U                             | 3.17 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate             | ND                           | ND                            | 3.68                         | 0.02                          | U                            | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                      | 1.48                         | 0.01                          | U                            | 3.79                          | 0.02                         | U                             | 3.62 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                  | 5.23                         | 0.02                          | U                            | 12.28                         | 0.05                         | 11.27                         | 0.05 |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate          | 12.95                        | 0.06                          | U                            | 30.48                         | 0.13                         | 35.89                         | 0.16 |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | 1.25                         | 0.01                          | U    |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | 1.59                         | 0.01                          | U                            | 1.54                          | 0.01 |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                 | 21860                        | 21984                   |                              | 22129                   |                              |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2315.D                    | ENG2324.D               |                              | ENG2345.D               |                              |                         |
| Date Sampled                | 7/30/2001                    | 8/5/2001                |                              | 8/11/2001               |                              |                         |
| Date Analyzed               | 8/22/2001                    | 8/22/2001               |                              | 9/20/2001               |                              |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 251.7                   | Actual Vol (m <sup>3</sup> ) | 180.9                   | Actual Vol (m <sup>3</sup> ) |                         |
|                             |                              |                         |                              |                         | 228.0                        |                         |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 27.57                        | 0.11                    | 19.04                        | 0.11                    | 20.04                        | 0.09                    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 80.40                        | 0.32                    | 69.59                        | 0.38                    | 50.81                        | 0.22                    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 40.30                        | 0.16                    | 25.21                        | 0.14                    | 22.40                        | 0.10                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 2.01                         | 0.01                    | U                            | 3.83                    | 0.02                         | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>            | 21860                        | 21984                         |                              |                               | 22129                        |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2315.D                    | ENG2324.D                     |                              |                               | ENG2345.D                    |                               |      |
| <b>Date Sampled</b>           | 7/30/2001                    | 8/5/2001                      |                              |                               | 8/11/2001                    |                               |      |
| <b>Date Analyzed</b>          | 8/22/2001                    | 8/22/2001                     |                              |                               | 9/20/2001                    |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 251.7                         | Actual Vol (m <sup>3</sup> ) | 180.9                         | Actual Vol (m <sup>3</sup> ) | 228.0                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                  | 4.40                         | 0.02                          | U                            | 4.64                          | 0.03                         | U                             | 2.95 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                      | 3.98                         | 0.02                          | U                            | 4.67                          | 0.03                         | U                             | 2.57 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                  | 11.32                        | 0.04                          | 15.48                        | 0.09                          | 9.17                         | 0.04                          | U    |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate          | 29.70                        | 0.12                          | 38.30                        | 0.21                          | 16.65                        | 0.07                          |      |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | 1.67                         | 0.01                          | U    |
| Pyrene                        | ND                           | ND                            | 1.27                         | 0.01                          | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>          | 22216                        | 22393                         |                              | 22615                         |                               |       |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|-------|
| <b>File I.D.</b>            | ENG2361.D                    | ENG2369.D                     |                              | ENG2392.D                     |                               |       |
| <b>Date Sampled</b>         | 8/17/2001                    | 8/23/2001                     |                              | 8/29/2001                     |                               |       |
| <b>Date Analyzed</b>        | 9/21/2001                    | 9/22/2001                     |                              | 9/23/2001                     |                               |       |
|                             | Actual Vol (m <sup>3</sup> ) | 243.6                         | Actual Vol (m <sup>3</sup> ) | 231.1                         | Actual Vol (m <sup>3</sup> )  |       |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>        |       |
|                             |                              |                               |                              |                               | <b>Final µg/m<sup>3</sup></b> |       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| N-Nitrosomethylamine        | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Phenol                      | ND                           | ND                            | 10.75                        | 0.05                          | U                             | ND    |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1,4-Dichlorobenzene         | 5.44                         | 0.02                          | U                            | 14.61                         | 0.06                          | 29.29 |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| o-Tolidine                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Naphthalene                 | 41.71                        | 0.17                          | 72.05                        | 0.31                          | 92.72                         | 0.35  |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Methylnaphthalene         | 22.76                        | 0.09                          | 34.86                        | 0.15                          | 48.45                         | 0.18  |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | 0.83                          | 0.003 |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |
| Acenaphthene                | 0.66                         | 0.003                         | U                            | 1.49                          | 0.01                          | U     |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | 3.08                          | 0.01  |
|                             |                              |                               |                              |                               | ND                            | ND    |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>            | <b>22216</b>                 | <b>22393</b>                  |                              |                               | <b>22615</b>                 |                               |       |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>              | ENG2361.D                    | ENG2369.D                     |                              |                               | ENG2392.D                    |                               |       |
| <b>Date Sampled</b>           | 8/17/2001                    | 8/23/2001                     |                              |                               | 8/29/2001                    |                               |       |
| <b>Date Analyzed</b>          | 9/21/2001                    | 9/22/2001                     |                              |                               | 9/23/2001                    |                               |       |
|                               | Actual Vol (m <sup>3</sup> ) | 243.6                         | Actual Vol (m <sup>3</sup> ) | 231.1                         | Actual Vol (m <sup>3</sup> ) | 267.6                         |       |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                  | 1.13                         | 0.005                         | U                            | 2.17                          | 0.01                         | U                             | 3.54  |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                      | 1.01                         | 0.004                         | U                            | 2.42                          | 0.01                         | U                             | 4.06  |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                  | 4.03                         | 0.02                          | U                            | 7.39                          | 0.03                         | U                             | 10.39 |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate          | 11.38                        | 0.05                          | U                            | 14.86                         | 0.06                         | U                             | 18.20 |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                  | 0.59                         | 0.002                         | U                            | 2.01                          | 0.01                         | U                             | 3.86  |
| Pyrene                        | ND                           | ND                            | 0.81                         | 0.004                         | U                            | 1.15                          | 0.004 |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                    | 22784           | 22785           | 22871           |             |                 |             |
|--------------------------------|-----------------|-----------------|-----------------|-------------|-----------------|-------------|
| File I.D.                      | VOID            | ENG2417.D       | ENG2429.D       |             |                 |             |
| Date Sampled                   | 9/4/2001        | 9/10/2001       | 9/16/2001       |             |                 |             |
| Date Analyzed                  |                 | 10/2/2001       | 10/2/2001       |             |                 |             |
|                                | Actual Vol (m³) | Actual Vol (m³) | Actual Vol (m³) |             |                 |             |
|                                |                 | 219.7           | 216.4           |             |                 |             |
| Compound                       | Final Conc (µg) | Final µg/m³     | Final Conc (µg) | Final µg/m³ | Final Conc (µg) | Final µg/m³ |
| N-Nitrosodimethylamine         |                 |                 | ND              | ND          | ND              | ND          |
| Pyridine                       |                 |                 | ND              | ND          | ND              | ND          |
| Ethyl methanesulfonate         |                 |                 | ND              | ND          | ND              | ND          |
| 2-Picoline                     |                 |                 | ND              | ND          | ND              | ND          |
| N-Nitrosomethylmethamphetamine |                 |                 | ND              | ND          | ND              | ND          |
| Methyl methanesulfonate        |                 |                 | ND              | ND          | ND              | ND          |
| N-Nitrosodiethylamine          |                 |                 | ND              | ND          | ND              | ND          |
| Phenol                         |                 |                 | ND              | ND          | ND              | ND          |
| Pentachloroethane              |                 |                 | ND              | ND          | ND              | ND          |
| bis (2-Chloroethyl)ether       |                 |                 | ND              | ND          | ND              | ND          |
| Aniline                        |                 |                 | ND              | ND          | ND              | ND          |
| 2-Chlorophenol                 |                 |                 | ND              | ND          | ND              | ND          |
| 1,3-Dichlorobenzene            |                 |                 | ND              | ND          | ND              | ND          |
| 1,4-Dichlorobenzene            |                 |                 | ND              | ND          | 36.04           | 0.17        |
| Benzyl alcohol                 |                 |                 | ND              | ND          | ND              | ND          |
| 2-Methylphenol                 |                 |                 | ND              | ND          | ND              | ND          |
| 1,2-Dichlorobenzene            |                 |                 | ND              | ND          | ND              | ND          |
| bis(2-Chloroisopropyl)ether    |                 |                 | ND              | ND          | ND              | ND          |
| 3&4-Methylphenol               |                 |                 | ND              | ND          | ND              | ND          |
| N-Nitrosopyrrolidine           |                 |                 | ND              | ND          | ND              | ND          |
| N-Nitrosodipropylamine         |                 |                 | ND              | ND          | ND              | ND          |
| o-Toluidine                    |                 |                 | ND              | ND          | ND              | ND          |
| Hexachloroethane               |                 |                 | ND              | ND          | ND              | ND          |
| Acetophenone                   |                 |                 | ND              | ND          | ND              | ND          |
| Nitrobenzene                   |                 |                 | ND              | ND          | ND              | ND          |
| N-Nitrosopiperidine            |                 |                 | ND              | ND          | ND              | ND          |
| Isophorone                     |                 |                 | ND              | ND          | ND              | ND          |
| 2-Nitrophenol                  |                 |                 | ND              | ND          | ND              | ND          |
| 2,4-Dimethylphenol             |                 |                 | ND              | ND          | ND              | ND          |
| bis(2-Chloroethoxy)methane     |                 |                 | ND              | ND          | ND              | ND          |
| 2,4-Dichlorophenol             |                 |                 | ND              | ND          | ND              | ND          |
| 4-Chloroaniline                |                 |                 | ND              | ND          | ND              | ND          |
| 1,2,4-Trichlorobenzene         |                 |                 | ND              | ND          | ND              | ND          |
| Naphthalene                    |                 | 36.41           | 0.17            | 72.14       | 0.33            |             |
| 2,6-Dichlorophenol             |                 |                 | ND              | ND          | ND              | ND          |
| Hexachloropropene              |                 |                 | ND              | ND          | ND              | ND          |
| Hexachlorobutadiene            |                 |                 | ND              | ND          | ND              | ND          |
| N-Nitrosodibutylamine          |                 |                 | ND              | ND          | ND              | ND          |
| 4-Chloro-3-methylphenol        |                 |                 | ND              | ND          | ND              | ND          |
| Safrole                        |                 |                 | ND              | ND          | ND              | ND          |
| 2-Methylnaphthalene            |                 | 16.23           | 0.07            | 28.74       | 0.13            |             |
| 1,2,4,5-Tetrachlorobenzene     |                 |                 | ND              | ND          | ND              | ND          |
| 2,4,6-Trichlorophenol          |                 |                 | ND              | ND          | ND              | ND          |
| Hexachlorocyclopentadiene      |                 |                 | ND              | ND          | ND              | ND          |
| 2,4,5-Trichlorophenol          |                 |                 | ND              | ND          | ND              | ND          |
| 2-Nitroaniline                 |                 |                 | ND              | ND          | ND              | ND          |
| Isosafrole                     |                 |                 | ND              | ND          | ND              | ND          |
| 2-Chloronaphthalene            |                 |                 | ND              | ND          | ND              | ND          |
| 1,4-Naphthoquinone             |                 |                 | ND              | ND          | ND              | ND          |
| Dimethyl phthalate             |                 |                 | ND              | ND          | ND              | ND          |
| 1,3-Dintrobenzene              |                 |                 | ND              | ND          | ND              | ND          |
| 2,6-Dinitrotoluene             |                 |                 | ND              | ND          | ND              | ND          |
| 3-Nitroaniline                 |                 |                 | ND              | ND          | ND              | ND          |
| Acenaphthylene                 |                 |                 | ND              | ND          | ND              | ND          |
| 2,4-Dinitrophenol              |                 |                 | ND              | ND          | ND              | ND          |
| 4-Nitrophenol                  |                 |                 | ND              | ND          | ND              | ND          |
| Acenaphthene                   |                 | 0.49            | 0.002           | U           | 1.59            | 0.01        |
| 2,4-Dinitrotoluene             |                 |                 | ND              | ND          | ND              | ND          |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                    | 22784                        | 22785                        | 22871                        |                         |                 |                         |
|--------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|-----------------|-------------------------|
| File I.D.                      | VOID                         | ENG2417.D                    | ENG2429.D                    |                         |                 |                         |
| Date Sampled                   | 9/4/2001                     | 9/10/2001                    | 9/16/2001                    |                         |                 |                         |
| Date Analyzed                  |                              | 10/2/2001                    | 10/2/2001                    |                         |                 |                         |
|                                | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) |                         |                 |                         |
|                                |                              | 219.7                        | 216.4                        |                         |                 |                         |
| Compound                       | Final Conc (µg)              | Final µg/m <sup>3</sup>      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
| 2-Naphthylamine                |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Dibenzofuran                   |                              | 0.73                         | 0.003                        | U                       | 2.35            | 0.01                    |
| Pentachlorobenzene             |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| 1-Naphthylamine                |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Diethyl phthalate              |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,3,4,6-Tetrachlorophenol      |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Nitroaniline                 |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Chlorophenyl-phenyl ether    |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Fluorene                       |                              | 0.89                         | 0.004                        | U                       | 2.14            | 0.01                    |
| 5-Nitro-o-toluidine            |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| 4,6-Dinitro-2-methylphenol     |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Diphenylamine                  |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Azobenzene                     |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Phenacetin                     |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Diallate                       |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Bromophenyl phenyl ether     |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Aminobiphenyl                |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachlorobenzene              |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Pronamide                      |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Pentachlorophenol              |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Pentachloronitrobenzene        |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Phenanthrene                   |                              | 2.90                         | 0.01                         | U                       | 5.24            | 0.02                    |
| Dinoseb                        |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Anthracene                     |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Carbazole                      |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Di-n-butyl phthalate           |                              | 10.93                        | 0.05                         | U                       | ND              | ND                      |
| Benzidine                      |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Isodrin                        |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Fluoranthene                   |                              | 0.18                         | 0.001                        | U                       | 0.65            | 0.003                   |
| Pyrene                         |                              | ND                           | ND                           | ND                      | 0.55            | 0.003                   |
| 4-Dimethylaminoazobenzene      |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Chlorobenzilate                |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| 3,3'-Dimethylbenzidine         |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Butyl benzyl phthalate         |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Acetylaminofluorene          |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| 3-Methylcholanthrene           |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| 3,3'-Dichlorobenzidine         |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| bis(2-Ethylhexyl)phthalate     |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Benzo(a)anthracene             |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Chrysene                       |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Di-n-octyl phthalate           |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| 7,12-Dimethylbenz(a)anthracene |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Benzo(b)fluoranthene           |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Benzo(k)fluoranthene           |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Benzo(a)pyrene                 |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Indeno(1,2,3-cd)pyrene         |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Dibenz(a,h)anthracene          |                              | ND                           | ND                           | ND                      | ND              | ND                      |
| Benzo(g,h,i)perylene           |                              | ND                           | ND                           | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                 | 23035                        | 23157                         |                              | 23229                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| File I.D.                   | ENG2446.D                    | ENG2459.D                     |                              | ENG2533.D                     |                              |
| Date Sampled                | 9/22/2001                    | 9/28/2001                     |                              | 10/4/2001                     |                              |
| Date Analyzed               | 10/18/2001                   | 10/19/2001                    |                              | 11/28/2001                    |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 241.4                         | Actual Vol (m <sup>3</sup> ) | 276.2                         | Actual Vol (m <sup>3</sup> ) |
| <u>Compound</u>             | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       |
|                             |                              |                               |                              |                               |                              |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 13.70                        | 0.06                          | 18.58                        | 0.07                          | 11.55                        |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 99.03                        | 0.41                          | 38.39                        | 0.14                          | 51.03                        |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 41.47                        | 0.17                          | 22.30                        | 0.08                          | 23.05                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 3.80                         | 0.02                          | U                            | 0.63                          | 0.002                        |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
|                             |                              |                               |                              | U                             |                              |
|                             |                              |                               |                              |                               | 1.15                         |
|                             |                              |                               |                              |                               | 0.004                        |
|                             |                              |                               |                              |                               | U                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                    | 23035                        | 23157                   |                              |                         | 23229                        |                         |      |
|--------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------|
| File I.D.                      | ENG2446.D                    | ENG2459.D               |                              |                         | ENG2533.D                    |                         |      |
| Date Sampled                   | 9/22/2001                    | 9/28/2001               |                              |                         | 10/4/2001                    |                         |      |
| Date Analyzed                  | 10/18/2001                   | 10/19/2001              |                              |                         | 11/28/2001                   |                         |      |
|                                | Actual Vol (m <sup>3</sup> ) | 241.4                   | Actual Vol (m <sup>3</sup> ) | 276.2                   | Actual Vol (m <sup>3</sup> ) | 279.0                   |      |
| Compound                       | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |      |
| 2-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Dibenzofuran                   | 2.29                         | 0.01                    | U                            | 0.66                    | 0.002                        | U                       | 1.20 |
| Pentachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 1-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diethyl phthalate              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Nitroaniline                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Fluorene                       | 2.31                         | 0.01                    | U                            | 0.74                    | 0.003                        | U                       | 1.56 |
| 5-Nitro-o-toluidine            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diphenylamine                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Azobenzene                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Phenacetin                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diallate                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Aminobiphenyl                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Hexachlorobenzene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pronamide                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pentachlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pentachloronitrobenzene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Phenanthrene                   | 4.40                         | 0.02                    | U                            | 2.52                    | 0.01                         | U                       | 2.63 |
| Dinoseb                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Anthracene                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Carbazole                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Di-n-butyl phthalate           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzidine                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Isodrin                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Fluoranthene                   | 0.88                         | 0.004                   | U                            | 1.05                    | 0.004                        | U                       | ND   |
| Pyrene                         | 0.52                         | 0.002                   | U                            | 0.29                    | 0.001                        | U                       | ND   |
| 4-Dimethylaminoazobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Chlorobenzilate                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Butyl benzyl phthalate         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 2-Acetylaminofluorene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3-Methylcholanthrene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(a)anthracene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Chrysene                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Di-n-octyl phthalate           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(b)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(k)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(a)pyrene                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Dibenz(a,h)anthracene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(g,h,i)perylene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                 | 23376                        | 23452                   |                              | 23573                   |                              |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2538.D                    | ENG262.D                |                              | ENG2574.D               |                              |                         |
| Date Sampled                | 10/10/2001                   | 10/16/2001              |                              | 10/22/2001              |                              |                         |
| Date Analyzed               | 11/28/2001                   | 11/29/2001              |                              | 11/29/2001              |                              |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 237.1                   | Actual Vol (m <sup>3</sup> ) | 262.4                   | Actual Vol (m <sup>3</sup> ) |                         |
|                             |                              |                         |                              |                         | 237.9                        |                         |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 11.99                        | 0.05                    | 13.00                        | 0.05                    | 40.93                        | 0.17                    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 77.19                        | 0.33                    | 36.67                        | 0.14                    | 143.47                       | 0.60                    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 38.07                        | 0.16                    | 16.29                        | 0.06                    | 50.24                        | 0.21                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | 0.94                         | 0.004                   |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 1.40                         | 0.01                    | U                            | 0.55                    | 0.002                        | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | 4.64                         | 0.02                    |
|                             |                              |                         |                              |                         | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>            | 23376                        | 23452                         |                              |                               | 23573                        |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2538.D                    | ENG262.D                      |                              |                               | ENG2574.D                    |                               |      |
| <b>Date Sampled</b>           | 10/10/2001                   | 10/16/2001                    |                              |                               | 10/22/2001                   |                               |      |
| <b>Date Analyzed</b>          | 11/28/2001                   | 11/29/2001                    |                              |                               | 11/29/2001                   |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 237.1                         | Actual Vol (m <sup>3</sup> ) | 262.4                         | Actual Vol (m <sup>3</sup> ) | 237.9                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenzofuran                  | 2.00                         | 0.01                          | U                            | 0.65                          | 0.002                        | U                             | 5.44 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluorene                      | 2.02                         | 0.01                          | U                            | 0.65                          | 0.002                        | U                             | 5.14 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenanthrene                  | 4.51                         | 0.02                          | U                            | 1.74                          | 0.01                         | U                             | 8.75 |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-butyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | ND                           | 1.28                          | 0.01 |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                 | 23669                        | 23854                   |                              | 23943                   |                              |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2622.D                    | ENG2633.D               |                              | ENG2653.D               |                              |                         |
| Date Sampled                | 10/28/2001                   | 11/3/2001               |                              | 11/9/2001               |                              |                         |
| Date Analyzed               | 12/11/2001                   | 12/12/2001              |                              | 12/13/2001              |                              |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 266.3                   | Actual Vol (m <sup>3</sup> ) | 263.2                   | Actual Vol (m <sup>3</sup> ) |                         |
|                             |                              |                         |                              |                         | 287.0                        |                         |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | 17.80                        | 0.06                    |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 20.62                        | 0.08                    | 30.00                        | 0.11                    | 8.06                         | 0.03                    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 65.30                        | 0.25                    | 108.43                       | 0.41                    | 71.81                        | 0.25                    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 23.62                        | 0.09                    | 41.79                        | 0.16                    | 30.38                        | 0.11                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | ND                           | ND                      | 1.76                         | 0.01                    | U                            | 0.92                    |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 1.52                         | 0.01                    | U                            | 2.03                    | 0.01                         | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>            | 23669                        | 23854                         |                              |                               | 23943                        |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2622.D                    | ENG2633.D                     |                              |                               | ENG2653.D                    |                               |      |
| <b>Date Sampled</b>           | 10/28/2001                   | 11/3/2001                     |                              |                               | 11/9/2001                    |                               |      |
| <b>Date Analyzed</b>          | 12/11/2001                   | 12/12/2001                    |                              |                               | 12/13/2001                   |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 266.3                         | Actual Vol (m <sup>3</sup> ) | 263.2                         | Actual Vol (m <sup>3</sup> ) | 287.0                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                  | 1.39                         | 0.01                          | U                            | 2.57                          | 0.01                         | U                             | 1.48 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                      | 1.39                         | 0.01                          | U                            | 2.74                          | 0.01                         | U                             | 1.68 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                  | 2.45                         | 0.01                          | U                            | 4.31                          | 0.02                         | U                             | 3.30 |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                 | 24039                        | 24168                   |                              | 24234                   |                              |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2662.D                    | ENG2683.D               |                              | ENG2708.D               |                              |                         |
| Date Sampled                | 11/15/2001                   | 11/21/2001              |                              | 11/27/2001              |                              |                         |
| Date Analyzed               | 12/17/2001                   | 12/18/2001              |                              | 1/10/2002               |                              |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 291.5                   | Actual Vol (m <sup>3</sup> ) | 264.2                   | Actual Vol (m <sup>3</sup> ) |                         |
|                             |                              |                         |                              |                         | 296.7                        |                         |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | ND                      | 21.09                        | 0.08                    | U                            | ND                      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 16.54                        | 0.06                    | 9.04                         | 0.03                    | U                            | 13.75                   |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 80.13                        | 0.27                    | 71.36                        | 0.27                    | 90.36                        | 0.30                    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 35.63                        | 0.12                    | 29.82                        | 0.11                    | 38.27                        | 0.13                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | ND                           | ND                      | 1.41                         | 0.01                    | U                            | 1.46                    |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 1.16                         | 0.004                   | U                            | 0.60                    | 0.002                        | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
|                             |                              |                         |                              |                         | 0.90                         | 0.003                   |
|                             |                              |                         |                              |                         | ND                           | U                       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>            | 24039                        | 24168                         |                              |                               | 24234                        |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2662.D                    | ENG2683.D                     |                              |                               | ENG2708.D                    |                               |      |
| <b>Date Sampled</b>           | 11/15/2001                   | 11/21/2001                    |                              |                               | 11/27/2001                   |                               |      |
| <b>Date Analyzed</b>          | 12/17/2001                   | 12/18/2001                    |                              |                               | 1/10/2002                    |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 291.5                         | Actual Vol (m <sup>3</sup> ) | 264.2                         | Actual Vol (m <sup>3</sup> ) | 296.7                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                  | 2.35                         | 0.01                          | U                            | 1.23                          | 0.005                        | U                             | 1.77 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                      | 2.72                         | 0.01                          | U                            | 1.52                          | 0.01                         | U                             | 1.35 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                  | 5.48                         | 0.02                          | U                            | 3.00                          | 0.01                         | U                             | 4.21 |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | 0.31                         | 0.001                         | U    |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | 1.36                         | 0.005                         | U    |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | 1.00                         | 0.003                         | U    |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| Sample I.D.                 | 24377                        | 24541                         |                              | 24635                         |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| File I.D.                   | ENG2728.D                    | ENG2751.D                     |                              | ENG2771.D                     |                               |
| Date Sampled                | 12/3/2001                    | 12/9/2001                     |                              | 12/15/2001                    |                               |
| Date Analyzed               | 1/14/2002                    | 1/16/2002                     |                              | 1/16/2002                     |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 241.7                         | Actual Vol (m <sup>3</sup> ) | 256.7                         | Actual Vol (m <sup>3</sup> )  |
| <u>Compound</u>             | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>        |
|                             |                              |                               |                              |                               | <u>Final µg/m<sup>3</sup></u> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosomethylmethyamine   | ND                           | ND                            | ND                           | ND                            | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,4-Dichlorobenzene         | 12.88                        | 0.05                          | 12.93                        | 0.05                          | 26.60                         |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3&4-Methylphenol            | 3.61                         | 0.01                          | U                            | ND                            | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            |                              | ND                            | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Naphthalene                 | 87.81                        | 0.36                          | 62.11                        | 0.24                          | 94.50                         |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Methylnaphthalene         | 39.10                        | 0.16                          | 27.34                        | 0.11                          | 42.32                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Acenaphthylene              | 1.86                         | 0.01                          | U                            | 1.34                          | 0.01                          |
| 2,4-Dinitrophenol           | ND                           | ND                            |                              | ND                            | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            |
| Acenaphthene                | 1.22                         | 0.01                          | U                            | 0.64                          | 0.003                         |
| 2,4-Dinitrotoluene          | ND                           | ND                            |                              | ND                            | ND                            |
|                             |                              |                               |                              |                               | U                             |
|                             |                              |                               |                              |                               | 0.01                          |
|                             |                              |                               |                              |                               | ND                            |
|                             |                              |                               |                              |                               | 0.005                         |
|                             |                              |                               |                              |                               | U                             |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>             | <b>24377</b>                 | <b>24541</b>                  |                              |                               | <b>24635</b>                 |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2728.D                    | ENG2751.D                     |                              |                               | ENG2771.D                    |                               |      |
| <b>Date Sampled</b>            | 12/3/2001                    | 12/9/2001                     |                              |                               | 12/15/2001                   |                               |      |
| <b>Date Analyzed</b>           | 1/14/2002                    | 1/16/2002                     |                              |                               | 1/16/2002                    |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 241.7                         | Actual Vol (m <sup>3</sup> ) | 256.7                         | Actual Vol (m <sup>3</sup> ) | 255.6                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenzofuran                   | 2.07                         | 0.01                          | U                            | 1.37                          | 0.01                         | U                             | 1.61 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluorene                       | 1.80                         | 0.01                          | U                            | 1.18                          | 0.005                        | U                             | 1.54 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenanthrene                   | 4.41                         | 0.02                          | U                            | 2.73                          | 0.01                         | U                             | 3.99 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluoranthene                   | 1.19                         | 0.005                         | U                            | ND                            | ND                           | ND                            | ND   |
| Pyrene                         | 1.04                         | 0.004                         | U                            | ND                            | ND                           | ND                            | ND   |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| bis(2-Ethylhexyl)phthalate     | 2.48                         | 0.01                          | U                            | ND                            | ND                           | ND                            | ND   |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>          | 24765                        |                               | 24963                        |                               |       |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>            | ENG2780.D                    |                               | ENG2804.D                    |                               |       |
| <b>Date Sampled</b>         | 12/21/2001                   |                               | 12/27/2001                   |                               |       |
| <b>Date Analyzed</b>        | 1/17/2002                    |                               | 1/17/2002                    |                               |       |
|                             | Actual Vol (m <sup>3</sup> ) | 234.6                         | Actual Vol (m <sup>3</sup> ) | 281.9                         |       |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            |       |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            |       |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            |       |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            |       |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            |       |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            |       |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            |       |
| Phenol                      | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            |       |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            |       |
| Aniline                     | ND                           | ND                            | ND                           | ND                            |       |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            |       |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            |       |
| 1,4-Dichlorobenzene         | 20.14                        | 0.09                          | 4.34                         | 0.02                          | U     |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            |       |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            |       |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            |       |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            |       |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            |       |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            |       |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            |       |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            |       |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            |       |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            |       |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            |       |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            |       |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            |       |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            |       |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            |       |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            |       |
| Naphthalene                 | 96.49                        | 0.41                          | 35.56                        | 0.13                          |       |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |       |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            |       |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            |       |
| Safrole                     | ND                           | ND                            | ND                           | ND                            |       |
| 2-Methylnaphthalene         | 43.77                        | 0.19                          | 17.06                        | 0.06                          |       |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            |       |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            |       |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            |       |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            |       |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            |       |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            |       |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            |       |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            |       |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            |       |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            |       |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            |       |
| Acenaphthylene              | 2.23                         | 0.01                          | U                            | ND                            | ND    |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            |       |
| Acenaphthene                | 0.69                         | 0.003                         | U                            | 0.17                          | 0.001 |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 24765                        |                               | 24963                        |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>               | ENG2780.D                    |                               | ENG2804.D                    |                               |
| <b>Date Sampled</b>            | 12/21/2001                   |                               | 12/27/2001                   |                               |
| <b>Date Analyzed</b>           | 1/17/2002                    |                               | 1/17/2002                    |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 234.6                         | Actual Vol (m <sup>3</sup> ) | 281.9                         |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                   | 1.29                         | 0.01                          | U                            | 0.82                          |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            |
| Fluorene                       | 1.43                         | 0.01                          | U                            | 0.58                          |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            |
| Diallate                       | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            |
| Phenanthenrene                 | 3.09                         | 0.01                          | U                            | 1.78                          |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            |
| Pyrene                         | 0.93                         | 0.004                         | U                            | ND                            |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - New Brunswick, NJ (NBNJ)**  
**2001 Final Data Report**

| Sample I.D.                 | 21274                        | 21313                         | 21526                        |                               |                              |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                   | ENG2116.D                    | ENG2240.D                     | ENG2285.D                    |                               |                              |                               |
| Date Sampled                | 6/30/2001                    | 7/6/2001                      | 7/12/2001                    |                               |                              |                               |
| Date Analyzed               | 7/11/2001                    | 8/4/2001                      | 8/17/2001                    |                               |                              |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 193.9                         | Actual Vol (m <sup>3</sup> ) | 227.6                         | Actual Vol (m <sup>3</sup> ) | 171.6                         |
| <u>Compound</u>             | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | 18.93                        | 0.10                          | U                            | ND                            | 17.87                        | 0.10                          |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | ND                           | ND                            | 10.37                        | 0.05                          | U                            | 8.65                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 23.00                        | 0.12                          | 22.00                        | 0.10                          | 18.56                        | 0.11                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | ND                           | ND                            | ND                           | ND                            | 7.27                         | 0.04                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | 76.02                        | 0.39                          | 28.49                        | 0.13                          | 24.53                        | 0.14                          |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | ND                           | ND                            | 1.46                         | 0.01                          | U                            | 1.53                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 21274                        | 21313                         |                              |                               | 21526                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2116.D                    | ENG2240.D                     |                              |                               | ENG2285.D                    |                               |      |
| <b>Date Sampled</b>            | 6/30/2001                    | 7/6/2001                      |                              |                               | 7/12/2001                    |                               |      |
| <b>Date Analyzed</b>           | 7/11/2001                    | 8/4/2001                      |                              |                               | 8/17/2001                    |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 193.9                         | Actual Vol (m <sup>3</sup> ) | 227.6                         | Actual Vol (m <sup>3</sup> ) | 171.6                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenzofuran                   | ND                           | ND                            | 1.60                         | 0.01                          | U                            | 1.57                          | 0.01 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluorene                       | ND                           | ND                            | 0.81                         | 0.004                         | U                            | 1.26                          | 0.01 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenanthrene                   | ND                           | ND                            | 2.90                         | 0.01                          | U                            | 2.91                          | 0.02 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-butyl phthalate           | 101.36                       | 0.52                          | 47.30                        | 0.21                          |                              | 52.45                         | 0.31 |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 21632                        | 21750                         |                              | 21918                         |                               |       |      |       |   |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|-------|------|-------|---|
| <b>File I.D.</b>            | ENG2295.D                    | ENG2302.D                     |                              | ENG2312.D                     |                               |       |      |       |   |
| <b>Date Sampled</b>         | 7/18/2001                    | 7/24/2001                     |                              | 7/30/2001                     |                               |       |      |       |   |
| <b>Date Analyzed</b>        | 8/18/2001                    | 8/21/2001                     |                              | 8/21/2001                     |                               |       |      |       |   |
|                             | Actual Vol (m <sup>3</sup> ) | 211.7                         | Actual Vol (m <sup>3</sup> ) | 203.5                         | Actual Vol (m <sup>3</sup> )  |       |      |       |   |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>        |       |      |       |   |
|                             |                              |                               |                              |                               | <b>Final µg/m<sup>3</sup></b> |       |      |       |   |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    |      |       |   |
| 1,4-Dichlorobenzene         | 14.38                        | 0.07                          | 9.06                         | 0.04                          | U                             | 20.92 | 0.10 |       |   |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Naphthalene                 | 16.64                        | 0.08                          | 29.21                        | 0.14                          |                               | 23.83 | 0.12 |       |   |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 2-Methylnaphthalene         | 7.08                         | 0.03                          | U                            | 8.36                          | 0.04                          | U     | 9.31 | 0.05  | U |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Dimethyl phthalate          | 30.65                        | 0.14                          | 43.44                        | 0.21                          |                               | 17.11 | 0.08 |       |   |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |
| Acenaphthene                | 0.95                         | 0.004                         | U                            | 3.48                          | 0.02                          | U     | 0.97 | 0.005 | U |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                            | ND    | ND   |       |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 21632                        | 21750                         |                              |                               | 21918                        |                               |       |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>               | ENG2295.D                    | ENG2302.D                     |                              |                               | ENG2312.D                    |                               |       |
| <b>Date Sampled</b>            | 7/18/2001                    | 7/24/2001                     |                              |                               | 7/30/2001                    |                               |       |
| <b>Date Analyzed</b>           | 8/18/2001                    | 8/21/2001                     |                              |                               | 8/21/2001                    |                               |       |
|                                | Actual Vol (m <sup>3</sup> ) | 211.7                         | Actual Vol (m <sup>3</sup> ) | 203.5                         | Actual Vol (m <sup>3</sup> ) | 206.6                         |       |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                   | 1.77                         | 0.01                          | U                            | 4.72                          | 0.02                         | U                             | 1.23  |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                       | 1.58                         | 0.01                          | U                            | 3.96                          | 0.02                         | U                             | 1.18  |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                   | 3.10                         | 0.01                          | U                            | 8.80                          | 0.04                         | U                             | 2.36  |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate           | 55.81                        | 0.26                          |                              | 111.66                        | 0.55                         |                               | 47.21 |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate     | 0.69                         | 0.003                         | U                            | 0.94                          | 0.005                        | U                             | ND    |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - New Brunswick, NJ (NBNJ)**  
**2001 Final Data Report**

| Sample I.D.                 | 22025                        | 22097                         | 22300                        |                               |                              |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                   | ENG2333.D                    | ENG2344.D                     | ENG2354.D                    |                               |                              |                               |
| Date Sampled                | 8/5/2001                     | 8/11/2001                     | 8/17/2001                    |                               |                              |                               |
| Date Analyzed               | 8/22/2001                    | 9/20/2001                     | 9/21/2001                    |                               |                              |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 203.7                         | Actual Vol (m <sup>3</sup> ) | 236.9                         | Actual Vol (m <sup>3</sup> ) | 228.1                         |
| <u>Compound</u>             | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | 17.29                        | 0.07                          | U                            | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 27.80                        | 0.14                          | 51.15                        | 0.22                          | 10.80                        | 0.05                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 40.28                        | 0.20                          | 60.25                        | 0.25                          | 20.46                        | 0.09                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 14.74                        | 0.07                          | 19.72                        | 0.08                          | 7.20                         | 0.03                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | 23.17                        | 0.11                          | 15.10                        | 0.06                          | 17.67                        | 0.08                          |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 3.15                         | 0.02                          | U                            | ND                            | ND                           | 2.26                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 22025                        | 22097                         |                              |                               | 22300                        |                               |       |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>               | ENG2333.D                    | ENG2344.D                     |                              |                               | ENG2354.D                    |                               |       |
| <b>Date Sampled</b>            | 8/5/2001                     | 8/11/2001                     |                              |                               | 8/17/2001                    |                               |       |
| <b>Date Analyzed</b>           | 8/22/2001                    | 9/20/2001                     |                              |                               | 9/21/2001                    |                               |       |
|                                | Actual Vol (m <sup>3</sup> ) | 203.7                         | Actual Vol (m <sup>3</sup> ) | 236.9                         | Actual Vol (m <sup>3</sup> ) | 228.1                         |       |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                   | 3.91                         | 0.02                          | U                            | 4.70                          | 0.02                         | U                             | 2.74  |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                       | 3.25                         | 0.02                          | U                            | ND                            | ND                           | 2.01                          | 0.01  |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                   | 6.83                         | 0.03                          | U                            | 8.27                          | 0.03                         | U                             | 5.62  |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate           | 79.36                        | 0.39                          |                              | 51.24                         | 0.22                         |                               | 63.00 |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                   | 0.84                         | 0.004                         | U                            | ND                            | ND                           | 0.71                          | 0.003 |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate     | 1.32                         | 0.01                          | U                            | ND                            | ND                           | ND                            | ND    |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| Sample I.D.                 | 22452 | File I.D.              | VOID               | Date Sampled | 8/23/2001              | Date Analyzed      |                 | 22569                  | ENG2382.D | 8/29/2001          | 9/23/2001 | 22702           | ENG2402.D | 9/4/2001 | 10/1/2001 |
|-----------------------------|-------|------------------------|--------------------|--------------|------------------------|--------------------|-----------------|------------------------|-----------|--------------------|-----------|-----------------|-----------|----------|-----------|
|                             |       |                        |                    |              |                        |                    | Actual Vol (m³) | Actual Vol (m³)        | 213.6     |                    |           | Actual Vol (m³) | 208.6     |          |           |
| <u>Compound</u>             |       | <u>Final Conc (µg)</u> | <u>Final µg/m³</u> |              | <u>Final Conc (µg)</u> | <u>Final µg/m³</u> |                 | <u>Final Conc (µg)</u> |           | <u>Final µg/m³</u> |           |                 |           |          |           |
| N-Nitrosodimethylamine      |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Pyridine                    |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Ethyl methanesulfonate      |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2-Picoline                  |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| N-Nitrosomethylethylamine   |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Methyl methanesulfonate     |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| N-Nitrosodiethylamine       |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Phenol                      |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Pentachloroethane           |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| bis (2-Chloroethyl)ether    |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Aniline                     |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2-Chlorophenol              |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 1,3-Dichlorobenzene         |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 1,4-Dichlorobenzene         |       |                        |                    |              | 14.39                  | 0.07               |                 | 12.15                  |           | 0.06               |           |                 |           |          |           |
| Benzyl alcohol              |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2-Methylphenol              |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 1,2-Dichlorobenzene         |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| bis(2-Chloroisopropyl)ether |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 3&4-Methylphenol            |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| N-Nitrosopyrrolidine        |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| N-Nitrosodipropylamine      |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| o-Toluidine                 |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Hexachloroethane            |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Acetophenone                |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Nitrobenzene                |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| N-Nitrosopiperidine         |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Isophorone                  |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2-Nitrophenol               |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2,4-Dimethylphenol          |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| bis(2-Chloroethoxy)methane  |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2,4-Dichlorophenol          |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 4-Chloroaniline             |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 1,2,4-Trichlorobenzene      |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Naphthalene                 |       |                        |                    |              | 27.24                  | 0.13               |                 | 19.90                  |           | 0.10               |           |                 |           |          |           |
| 2,6-Dichlorophenol          |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Hexachloropropene           |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Hexachlorobutadiene         |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| N-Nitrosodibutylamine       |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 4-Chloro-3-methylphenol     |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Safrole                     |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2-Methylnaphthalene         |       |                        |                    |              | 9.68                   | 0.05               | U               | 7.25                   |           | 0.03               | U         |                 |           |          |           |
| 1,2,4,5-Tetrachlorobenzene  |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2,4,6-Trichlorophenol       |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Hexachlorocyclopentadiene   |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2,4,5-Trichlorophenol       |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2-Nitroaniline              |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Isosafrole                  |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2-Chloronaphthalene         |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 1,4-Naphthoquinone          |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Dimethyl phthalate          |       |                        |                    |              | 9.73                   | 0.05               |                 | 5.91                   |           | 0.03               | U         |                 |           |          |           |
| 1,3-Dinitrobenzene          |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2,6-Dinitrotoluene          |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 3-Nitroaniline              |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Acenaphthylene              |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 2,4-Dinitrophenol           |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| 4-Nitrophenol               |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |
| Acenaphthene                |       |                        |                    |              | 2.23                   | 0.01               | U               | 1.34                   |           | 0.01               | U         |                 |           |          |           |
| 2,4-Dinitrotoluene          |       |                        |                    |              | ND                     | ND                 |                 | ND                     |           | ND                 |           | ND              |           | ND       |           |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 22452                        | <b>Sample I.D.</b>            | 22569                        | <b>Sample I.D.</b>            | 22702                        |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>               | VOID                         | <b>File I.D.</b>              | ENG2382.D                    | <b>File I.D.</b>              | ENG2402.D                    |
| <b>Date Sampled</b>            | 8/23/2001                    | <b>Date Sampled</b>           | 8/29/2001                    | <b>Date Sampled</b>           | 9/4/2001                     |
| <b>Date Analyzed</b>           |                              | <b>Date Analyzed</b>          | 9/23/2001                    | <b>Date Analyzed</b>          | 10/1/2001                    |
|                                | Actual Vol (m <sup>3</sup> ) |                               | Actual Vol (m <sup>3</sup> ) | 213.6                         | Actual Vol (m <sup>3</sup> ) |
|                                |                              |                               |                              |                               | 208.6                        |
| <b>Compound</b>                | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> | <b>Final Conc (ug)</b>       |
| 2-Naphthylamine                |                              |                               | ND                           | ND                            | ND                           |
| Dibenzofuran                   |                              |                               | 2.48                         | 0.01                          | U                            |
| Pentachlorobenzene             |                              |                               | ND                           | ND                            | ND                           |
| 1-Naphthylamine                |                              |                               | ND                           | ND                            | ND                           |
| Diethyl phthalate              |                              |                               | ND                           | ND                            | ND                           |
| 2,3,4,6-Tetrachlorophenol      |                              |                               | ND                           | ND                            | ND                           |
| 4-Nitroaniline                 |                              |                               | ND                           | ND                            | ND                           |
| 4-Chlorophenyl-phenyl ether    |                              |                               | ND                           | ND                            | ND                           |
| Fluorene                       | 1.99                         | 0.01                          | U                            | 1.34                          | 0.01                         |
| 5-Nitro-o-toluidine            |                              |                               | ND                           | ND                            | ND                           |
| 4,6-Dinitro-2-methylphenol     |                              |                               | ND                           | ND                            | ND                           |
| Diphenylamine                  |                              |                               | ND                           | ND                            | ND                           |
| Azobenzene                     |                              |                               | ND                           | ND                            | ND                           |
| Phenacetin                     |                              |                               | ND                           | ND                            | ND                           |
| Diallate                       |                              |                               | ND                           | ND                            | ND                           |
| 4-Bromophenyl phenyl ether     |                              |                               | ND                           | ND                            | ND                           |
| 4-Aminobiphenyl                |                              |                               | ND                           | ND                            | ND                           |
| Hexachlorobenzene              |                              |                               | ND                           | ND                            | ND                           |
| Pronamide                      |                              |                               | ND                           | ND                            | ND                           |
| Pentachlorophenol              |                              |                               | ND                           | ND                            | ND                           |
| Pentachloronitrobenzene        |                              |                               | ND                           | ND                            | ND                           |
| Phenanthrene                   | 4.95                         | 0.02                          | U                            | 3.01                          | 0.01                         |
| Dinoseb                        |                              |                               | ND                           | ND                            | ND                           |
| Anthracene                     |                              |                               | ND                           | ND                            | ND                           |
| Carbazole                      |                              |                               | ND                           | ND                            | ND                           |
| Di-n-butyl phthalate           | 56.12                        | 0.26                          |                              | 26.40                         | 0.13                         |
| Benzidine                      |                              |                               | ND                           | ND                            | ND                           |
| Isodrin                        |                              |                               | ND                           | ND                            | ND                           |
| Fluoranthene                   | 0.84                         | 0.004                         | U                            | ND                            | ND                           |
| Pyrene                         |                              |                               | ND                           | ND                            | ND                           |
| 4-Dimethylaminoazobenzene      |                              |                               | ND                           | ND                            | ND                           |
| Chlorobenzilate                |                              |                               | ND                           | ND                            | ND                           |
| 3,3'-Dimethylbenzidine         |                              |                               | ND                           | ND                            | ND                           |
| Butyl benzyl phthalate         |                              |                               | ND                           | ND                            | ND                           |
| 2-Acetylaminofluorene          |                              |                               | ND                           | ND                            | ND                           |
| 3-Methylcholanthrene           |                              |                               | ND                           | ND                            | ND                           |
| 3,3'-Dichlorobenzidine         |                              |                               | ND                           | ND                            | ND                           |
| bis(2-Ethylhexyl)phthalate     |                              |                               | ND                           | ND                            | ND                           |
| Benzo(a)anthracene             |                              |                               | ND                           | ND                            | ND                           |
| Chrysene                       |                              |                               | ND                           | ND                            | ND                           |
| Di-n-octyl phthalate           |                              |                               | ND                           | ND                            | ND                           |
| 7,12-Dimethylbenz(a)anthracene |                              |                               | ND                           | ND                            | ND                           |
| Benzo(b)fluoranthene           |                              |                               | ND                           | ND                            | ND                           |
| Benzo(k)fluoranthene           |                              |                               | ND                           | ND                            | ND                           |
| Benzo(a)pyrene                 |                              |                               | ND                           | ND                            | ND                           |
| Indeno(1,2,3-cd)pyrene         |                              |                               | ND                           | ND                            | ND                           |
| Dibenz(a,h)anthracene          |                              |                               | ND                           | ND                            | ND                           |
| Benzo(g,h,i)perylene           |                              |                               | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - New Brunswick, NJ (NBNJ)**  
**2001 Final Data Report**

| Sample I.D.                 | 22738                        | 22877                   |                              | 23133                   |                              |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                   | ENG2409.D                    | ENG2432.D               |                              | ENG2441.D               |                              |
| Date Sampled                | 9/10/2001                    | 9/16/2001               |                              | 9/22/2001               |                              |
| Date Analyzed               | 10/1/2001                    | 10/2/2001               |                              | 10/18/2001              |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 247.5                   | Actual Vol (m <sup>3</sup> ) | 198.9                   | Actual Vol (m <sup>3</sup> ) |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |
|                             |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Dichlorobenzene         | 9.35                         | 0.04                    | U                            | 27.57                   | 0.14                         |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Naphthalene                 | 21.71                        | 0.09                    |                              | 30.17                   | 0.15                         |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylnaphthalene         | 9.27                         | 0.04                    | U                            | 10.07                   | 0.05                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dimethyl phthalate          | 11.98                        | 0.05                    |                              | ND                      | 6.88                         |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthene                | 2.25                         | 0.01                    | U                            | 1.64                    | 0.01                         |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 22738                        | 22877                         |                              |                               | 23133                        |                               |       |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>               | ENG2409.D                    | ENG2432.D                     |                              |                               | ENG2441.D                    |                               |       |
| <b>Date Sampled</b>            | 9/10/2001                    | 9/16/2001                     |                              |                               | 9/22/2001                    |                               |       |
| <b>Date Analyzed</b>           | 10/1/2001                    | 10/2/2001                     |                              |                               | 10/18/2001                   |                               |       |
|                                | Actual Vol (m <sup>3</sup> ) | 247.5                         | Actual Vol (m <sup>3</sup> ) | 198.9                         | Actual Vol (m <sup>3</sup> ) | 228.5                         |       |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                   | 2.65                         | 0.01                          | U                            | 2.27                          | 0.01                         | U                             | 2.11  |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                       | 2.20                         | 0.01                          | U                            | 1.66                          | 0.01                         | U                             | 1.75  |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                   | 5.59                         | 0.02                          | U                            | 2.44                          | 0.01                         | U                             | 4.24  |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate           | 66.25                        | 0.27                          |                              | 17.55                         | 0.09                         |                               | 39.09 |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                   | 2.07                         | 0.01                          | U                            | ND                            | ND                           | ND                            | ND    |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| Sample I.D.                 | 23185                        |                         | 23316                        |                         | 23434                        |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2465.D                    |                         | ENG2534.D                    |                         | ENG2545.D                    |                         |
| Date Sampled                | 9/28/2001                    |                         | 10/4/2001                    |                         | 10/10/2001                   |                         |
| Date Analyzed               | 10/19/2001                   |                         | 11/28/2001                   |                         | 11/28/2001                   |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 212.3                   | Actual Vol (m <sup>3</sup> ) | 227.6                   | Actual Vol (m <sup>3</sup> ) | 218.1                   |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 8.80                         | 0.04                    | U                            | 18.26                   | 0.08                         | ND                      |
| Benzyl alcohol              | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 18.50                        | 0.09                    | U                            | 49.15                   | 0.22                         | 36.39                   |
| 2,6-Dichlorophenol          | ND                           | ND                      |                              | ND                      | ND                           | 0.17                    |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 7.50                         | 0.04                    | U                            | 13.08                   | 0.06                         | 12.65                   |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      |                              | ND                      | ND                           | 0.06                    |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 0.72                         | 0.003                   | U                            | 2.78                    | 0.01                         | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                      |                              | ND                      | ND                           |                         |
| D - Dilution                |                              |                         |                              |                         |                              |                         |
| ND - Not Detected           |                              |                         |                              |                         |                              |                         |
| U - Under Dectection Limit  |                              |                         |                              |                         |                              |                         |

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 23185                        | 23316                         |                              |                               | 23434                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2465.D                    | ENG2534.D                     |                              |                               | ENG2545.D                    |                               |      |
| <b>Date Sampled</b>            | 9/28/2001                    | 10/4/2001                     |                              |                               | 10/10/2001                   |                               |      |
| <b>Date Analyzed</b>           | 10/19/2001                   | 11/28/2001                    |                              |                               | 11/28/2001                   |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 212.3                         | Actual Vol (m <sup>3</sup> ) | 227.6                         | Actual Vol (m <sup>3</sup> ) | 218.1                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 0.72                         | 0.003                         | U                            | 3.69                          | 0.02                         | U                             | 2.02 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 0.59                         | 0.003                         | U                            | 2.91                          | 0.01                         | U                             | 1.65 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 1.34                         | 0.01                          | U                            | 5.93                          | 0.03                         | U                             | 3.18 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | 9.94                         | 0.05                          | U                            | 37.88                         | 0.17                         | 12.83                         | 0.06 |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 23563                        | 23567                         |                              | 23755                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2546.D                    | ENG2565.D                     |                              | ENG2378.D                     |                              |
| <b>Date Sampled</b>         | 10/16/2001                   | 10/22/2001                    |                              | 10/28/2001                    |                              |
| <b>Date Analyzed</b>        | 11/28/2001                   | 11/29/2001                    |                              | 11/29/2001                    |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 208.1                         | Actual Vol (m <sup>3</sup> ) | 228.2                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 38.27                        | 0.18                          | 21.08                        | 0.09                          | 12.94                        |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 60.09                        | 0.29                          | 36.49                        | 0.16                          | 16.15                        |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 50.23                        | 0.24                          | 14.39                        | 0.06                          | 4.54                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 2.81                         | 0.01                          | U                            | 1.53                          | 0.01                         |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
|                             |                              |                               |                              | U                             | 0.25                         |
|                             |                              |                               |                              |                               | 0.001                        |
|                             |                              |                               |                              |                               | U                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 23563                        | 23567                         |                              |                               | 23755                        |                               |    |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|----|
| <b>File I.D.</b>               | ENG2546.D                    | ENG2565.D                     |                              |                               | ENG2378.D                    |                               |    |
| <b>Date Sampled</b>            | 10/16/2001                   | 10/22/2001                    |                              |                               | 10/28/2001                   |                               |    |
| <b>Date Analyzed</b>           | 11/28/2001                   | 11/29/2001                    |                              |                               | 11/29/2001                   |                               |    |
|                                | Actual Vol (m <sup>3</sup> ) | 208.1                         | Actual Vol (m <sup>3</sup> ) | 228.2                         | Actual Vol (m <sup>3</sup> ) | 221.1                         |    |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |    |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Dibenzofuran                   | 2.12                         | 0.01                          | U                            | 2.31                          | 0.01                         | U                             | ND |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Fluorene                       | 3.41                         | 0.02                          | U                            | 1.57                          | 0.01                         | U                             | ND |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Phenanthrene                   | 7.26                         | 0.03                          | U                            | 3.13                          | 0.01                         | U                             | ND |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Di-n-butyl phthalate           | 19.80                        | 0.10                          |                              | 21.40                         | 0.09                         |                               | ND |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Fluoranthene                   | 2.20                         | 0.01                          | U                            | ND                            | ND                           | ND                            | ND |
| Pyrene                         | 1.56                         | 0.01                          | U                            | ND                            | ND                           | ND                            | ND |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - New Brunswick, NJ (NBNJ)**  
**2001 Final Data Report**

| Sample I.D.                 | 23895                        | 23987                   |                              | 24043                   |                              |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                   | ENG2637.D                    | ENG2659.D               |                              | ENG2666.D               |                              |
| Date Sampled                | 11/3/2001                    | 11/9/2001               |                              | 11/15/2001              |                              |
| Date Analyzed               | 12/12/2001                   | 12/17/2001              |                              | 12/17/2001              |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 219.0                   | Actual Vol (m <sup>3</sup> ) | 228.2                   | Actual Vol (m <sup>3</sup> ) |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |
|                             |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | 26.86                        |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Dichlorobenzene         | 15.29                        | 0.07                    | 13.97                        | 0.06                    | 51.37                        |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Naphthalene                 | 29.77                        | 0.14                    | 29.47                        | 0.13                    | 70.31                        |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylnaphthalene         | 11.07                        | 0.05                    | U                            | 11.56                   | 0.05                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      |                              | ND                      | 28.71                        |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | 0.12                         |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthene                | 1.48                         | 0.01                    | U                            | 0.86                    | 0.004                        |
| 2,4-Dinitrotoluene          | ND                           | ND                      |                              | ND                      | 2.01                         |
|                             |                              |                         |                              | U                       | 0.01                         |
|                             |                              |                         |                              |                         | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 23895                        | 23987                         |                              |                               | 24043                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2637.D                    | ENG2659.D                     |                              |                               | ENG2666.D                    |                               |      |
| <b>Date Sampled</b>            | 11/3/2001                    | 11/9/2001                     |                              |                               | 11/15/2001                   |                               |      |
| <b>Date Analyzed</b>           | 12/12/2001                   | 12/17/2001                    |                              |                               | 12/17/2001                   |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 219.0                         | Actual Vol (m <sup>3</sup> ) | 228.2                         | Actual Vol (m <sup>3</sup> ) | 243.7                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 1.95                         | 0.01                          | U                            | ND                            | ND                           | 3.18                          | 0.01 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 1.60                         | 0.01                          | U                            | 0.54                          | 0.002                        | U                             |      |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 2.78                         | 0.01                          | U                            | ND                            | ND                           | 4.32                          | 0.02 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | 22.48                        | 0.10                          |                              | 27.54                         | 0.12                         | 24.90                         | 0.10 |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| Sample I.D.                 | 24150                        |                         | 24302                        |                         | 24393                        |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2675.D                    |                         | ENG2714.D                    |                         | ENG2723.D                    |                         |
| Date Sampled                | 11/21/2001                   |                         | 11/27/2001                   |                         | 12/3/2001                    |                         |
| Date Analyzed               | 12/18/2001                   |                         | 1/10/2002                    |                         | 1/14/2002                    |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 243.7                   | Actual Vol (m <sup>3</sup> ) | 213.1                   | Actual Vol (m <sup>3</sup> ) | 211.0                   |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 6.81                         | 0.03                    | U                            | 36.05                   | 0.17                         | 52.54                   |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 19.65                        | 0.08                    |                              | 41.18                   | 0.19                         | 64.71                   |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 6.76                         | 0.03                    | U                            | 14.58                   | 0.07                         | 26.14                   |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | 0.93                         | 0.004                   |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | ND                           | ND                      | 0.87                         | 0.004                   | 1.65                         | 0.01                    |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| Sample I.D.                    | 24150                        |                         | 24302                        |                         | 24393                        |                         |
|--------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                      | ENG2675.D                    |                         | ENG2714.D                    |                         | ENG2723.D                    |                         |
| Date Sampled                   | 11/21/2001                   |                         | 11/27/2001                   |                         | 12/3/2001                    |                         |
| Date Analyzed                  | 12/18/2001                   |                         | 1/10/2002                    |                         | 1/14/2002                    |                         |
|                                | Actual Vol (m <sup>3</sup> ) | 243.7                   | Actual Vol (m <sup>3</sup> ) | 213.1                   | Actual Vol (m <sup>3</sup> ) | 211.0                   |
| Compound                       | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| 2-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenzofuran                   | 1.26                         | 0.01                    | U                            | 1.39                    | 0.01                         | 1.87                    |
| Pentachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diethyl phthalate              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitroaniline                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluorene                       | 0.72                         | 0.003                   | U                            | 0.95                    | 0.004                        | 1.67                    |
| 5-Nitro-o-toluidine            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diphenylamine                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Azobenzene                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenacetin                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diallate                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Aminobiphenyl                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobenzene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pronamide                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloronitrobenzene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenanthrene                   | ND                           | ND                      | 2.27                         | 0.01                    | 2.52                         | 0.01                    |
| Dinoseb                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Anthracene                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Carbazole                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Di-n-butyl phthalate           | ND                           | ND                      | 38.77                        | 0.18                    | 27.97                        | 0.13                    |
| Benzidine                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isodrin                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluoranthene                   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyrene                         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chlorobenzilate                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Butyl benzyl phthalate         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Acetylaminofluorene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Methylcholanthrene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)anthracene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chrysene                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Di-n-octyl phthalate           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(b)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(k)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)pyrene                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenz(a,h)anthracene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(g,h,i)perylene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**SemiVolatile Samples - New Brunswick, NJ (NBNJ)**  
**2001 Final Data Report**

| Sample I.D.                 | 24447                        | 24493                        | 24586                        |                         |                 |                         |
|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------|-----------------|-------------------------|
| File I.D.                   | ENG2743.D                    | ENG2745.D                    | ENG2760.D                    |                         |                 |                         |
| Date Sampled                | 12/6/2001                    | 12/9/2001                    | 12/12/2001                   |                         |                 |                         |
| Date Analyzed               | 1/15/2002                    | 1/15/2002                    | 1/16/2002                    |                         |                 |                         |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) |                         |                 |                         |
|                             | 209.3                        | 230.4                        | 219.0                        |                         |                 |                         |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup>      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Pyridine                    | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Picoline                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Phenol                      | 18.28                        | 0.09                         | U                            | ND                      | 16.13           | 0.07                    |
| Pentachloroethane           | ND                           | ND                           |                              | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Aniline                     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 20.91                        | 0.10                         | 23.40                        | 0.10                    | 31.72           | 0.14                    |
| Benzyl alcohol              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| o-Toluidine                 | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachloroethane            | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Acetophenone                | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Nitrobenzene                | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Isophorone                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Naphthalene                 | 36.89                        | 0.18                         | 28.79                        | 0.12                    | 45.58           | 0.21                    |
| 2,6-Dichlorophenol          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachloropropene           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Safrole                     | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 14.87                        | 0.07                         | 10.58                        | 0.05                    | U               | 17.35                   |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                           | ND                           | ND                      |                 | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Isosafrole                  | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 1,3-Dinitrobenzene          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Acenaphthylene              | ND                           | ND                           | ND                           | ND                      | 0.80            | 0.004                   |
| 2,4-Dinitrophenol           | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND                           | ND                           | ND                           | ND                      | ND              | ND                      |
| Acenaphthene                | ND                           | ND                           | 0.55                         | 0.002                   | U               | 0.67                    |
| 2,4-Dinitrotoluene          | ND                           | ND                           | ND                           | ND                      |                 | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 24447                        | 24493                         |                              |                               | 24586                        |                               |       |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>               | ENG2743.D                    | ENG2745.D                     |                              |                               | ENG2760.D                    |                               |       |
| <b>Date Sampled</b>            | 12/6/2001                    | 12/9/2001                     |                              |                               | 12/12/2001                   |                               |       |
| <b>Date Analyzed</b>           | 1/15/2002                    | 1/15/2002                     |                              |                               | 1/16/2002                    |                               |       |
|                                | Actual Vol (m <sup>3</sup> ) | 209.3                         | Actual Vol (m <sup>3</sup> ) | 230.4                         | Actual Vol (m <sup>3</sup> ) | 219.0                         |       |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                   | 2.18                         | 0.01                          | U                            | 0.93                          | 0.004                        | U                             | 1.33  |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                       | 1.67                         | 0.01                          | U                            | 0.71                          | 0.003                        | U                             | 1.30  |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                   | 2.61                         | 0.01                          | U                            | 1.49                          | 0.01                         | U                             | 2.29  |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate           | 88.46                        | 0.42                          |                              | 30.56                         | 0.13                         |                               | 25.11 |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| Sample I.D.                 | 24619                        |                         | 24771                        |                         | 24928                        |                         |       |      |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|-------|------|
| File I.D.                   | ENG2756.D                    |                         | ENG2786.D                    |                         | ENG2789.D                    |                         |       |      |
| Date Sampled                | 12/15/2001                   |                         | 12/21/2001                   |                         | 12/27/2001                   |                         |       |      |
| Date Analyzed               | 1/16/2002                    |                         | 1/17/2002                    |                         | 1/17/2002                    |                         |       |      |
|                             | Actual Vol (m <sup>3</sup> ) | 213.3                   | Actual Vol (m <sup>3</sup> ) | 242.4                   | Actual Vol (m <sup>3</sup> ) | 184.6                   |       |      |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |       |      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | 16.04                        | 0.09                    |       |      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 1,4-Dichlorobenzene         | ND                           | ND                      | 6.42                         | 0.03                    | U                            | 7.24                    |       |      |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |       |      |
| Naphthalene                 | 4.95                         | 0.02                    | U                            | 12.79                   | 0.05                         | U                       | 16.85 | 0.09 |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 2-Methylnaphthalene         | 2.37                         | 0.01                    | U                            | 4.37                    | 0.02                         | U                       | ND    | ND   |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| Acenaphthene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND    |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 24619                        | 24771                         |                              | 24928                         |                              |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>               | ENG2756.D                    | ENG2786.D                     | <th>ENG2789.D</th> <td></td> | ENG2789.D                     |                              |
| <b>Date Sampled</b>            | 12/15/2001                   | 12/21/2001                    |                              | 12/27/2001                    |                              |
| <b>Date Analyzed</b>           | 1/16/2002                    | 1/17/2002                     |                              | 1/17/2002                     |                              |
|                                | Actual Vol (m <sup>3</sup> ) | 213.3                         | Actual Vol (m <sup>3</sup> ) | 242.4                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
|                                |                              |                               |                              |                               |                              |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dibenzofuran                   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Fluorene                       | ND                           | ND                            | ND                           | ND                            | 0.40                         |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | 0.002                        |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | U                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenanthrene                   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Di-n-butyl phthalate           | 10.88                        | 0.05                          | U                            | ND                            | ND                           |
| Benzidine                      | ND                           | ND                            |                              | ND                            | ND                           |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| Sample I.D.                 | 19925                        |                         | 20036                        |                         | 20188                        |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG1977.D                    |                         | ENG1992.D                    |                         | ENG2006.D                    |                         |
| Date Sampled                | 4/19/2001                    |                         | 5/1/2001                     |                         | 5/13/2001                    |                         |
| Date Analyzed               | 5/24/2001                    |                         | 5/25/2001                    |                         | 6/15/2001                    |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 194.2                   | Actual Vol (m <sup>3</sup> ) | 143.9                   | Actual Vol (m <sup>3</sup> ) | 165.8                   |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 11.87                        | 0.06                    | 16.02                        | 0.11                    | 29.54                        | 0.18                    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | 3.56                         | 0.02                    | U                            | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 42.56                        | 0.22                    | 63.69                        | 0.44                    | 90.31                        | 0.54                    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 19.16                        | 0.10                    | 30.01                        | 0.21                    | 32.90                        | 0.20                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 1.43                         | 0.01                    | U                            | 4.63                    | 0.03                         | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                      |                              | ND                      | ND                           |                         |
|                             |                              |                         |                              |                         | 2.70                         | 0.02                    |
|                             |                              |                         |                              |                         | ND                           | ND                      |
|                             |                              |                         |                              |                         |                              | U                       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| Sample I.D.   | 19925                        | 20036     |                              | 20188     |                              |
|---------------|------------------------------|-----------|------------------------------|-----------|------------------------------|
| File I.D.     | ENG1977.D                    | ENG1992.D |                              | ENG2006.D |                              |
| Date Sampled  | 4/19/2001                    | 5/1/2001  |                              | 5/13/2001 |                              |
| Date Analyzed | 5/24/2001                    | 5/25/2001 |                              | 6/15/2001 |                              |
|               | Actual Vol (m <sup>3</sup> ) | 194.2     | Actual Vol (m <sup>3</sup> ) | 143.9     | Actual Vol (m <sup>3</sup> ) |
|               |                              |           |                              |           |                              |

| Compound                       | Final Conc (µg) | Final µg/m <sup>3</sup> |   | Final Conc (µg) | Final µg/m <sup>3</sup> |   | Final Conc (µg) | Final µg/m <sup>3</sup> |   |
|--------------------------------|-----------------|-------------------------|---|-----------------|-------------------------|---|-----------------|-------------------------|---|
| 2-Naphthylamine                | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Dibenzofuran                   | 1.38            | 0.01                    | U | 5.89            | 0.04                    | U | 3.20            | 0.02                    | U |
| Pentachlorobenzene             | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 1-Naphthylamine                | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Diethyl phthalate              | ND              | ND                      |   | 11.70           | 0.08                    |   | ND              | ND                      |   |
| 2,3,4,6-Tetrachlorophenol      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Nitroaniline                 | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Chlorophenyl-phenyl ether    | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Fluorene                       | 1.26            | 0.01                    | U | 4.73            | 0.03                    | U | 3.08            | 0.02                    | U |
| 5-Nitro-o-toluidine            | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4,6-Dinitro-2-methylphenol     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Diphenylamine                  | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Azobenzene                     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Phenacetin                     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Diallate                       | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Bromophenyl phenyl ether     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Aminobiphenyl                | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Hexachlorobenzene              | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Pronamide                      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Pentachlorophenol              | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Pentachloronitrobenzene        | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Phenanthenre                   | 2.44            | 0.01                    | U | 8.50            | 0.06                    | U | 5.72            | 0.03                    | U |
| Dinoseb                        | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Anthracene                     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Carbazole                      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Di-n-butyl phthalate           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzidine                      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Isodrin                        | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Fluoranthene                   | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Pyrene                         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Dimethylaminoazobenzene      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Chlorobenzilate                | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 3,3'-Dimethylbenzidine         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Butyl benzyl phthalate         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 2-Acetylaminofluorene          | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 3-Methylcholanthrene           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 3,3'-Dichlorobenzidine         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| bis(2-Ethylhexyl)phthalate     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(a)anthracene             | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Chrysene                       | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Di-n-octyl phthalate           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 7,12-Dimethylbenz(a)anthracene | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(b)fluoranthene           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(k)fluoranthene           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(a)pyrene                 | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Indeno(1,2,3-cd)pyrene         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Dibenz(a,h)anthracene          | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(g,h,i)perylene           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| Sample I.D.                 | 20340                        |                         | 20572                        |                         | 21017                        |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2023.D                    |                         | ENG2045.D                    |                         | ENG2127.D                    |                         |
| Date Sampled                | 5/25/2001                    |                         | 6/6/2001                     |                         | 6/18/2001                    |                         |
| Date Analyzed               | 6/20/2001                    |                         | 6/22/2001                    |                         | 7/13/2001                    |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 193.5                   | Actual Vol (m <sup>3</sup> ) | 229.6                   | Actual Vol (m <sup>3</sup> ) | 148.5                   |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | ND                      | 62.10                        | 0.27                    | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 4.67                         | 0.02                    | U                            | 21.67                   | 0.09                         | 13.74                   |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | 12.88                        | 0.06                    | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | 15.66                        | 0.07                    | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 27.65                        | 0.14                    |                              | 552.19                  | 2.40                         | 83.99                   |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 14.43                        | 0.07                    |                              | 104.00                  | 0.45                         | 28.46                   |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | ND                           | ND                      | 3.38                         | 0.01                    | U                            | ND                      |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 1.30                         | 0.01                    | U                            | 17.05                   | 0.07                         | 5.93                    |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| Sample I.D.                    | 20340                        | 20572                         |                              |                               | 21017                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| File I.D.                      | ENG2023.D                    | ENG2045.D                     |                              |                               | ENG2127.D                    |                               |      |
| Date Sampled                   | 5/25/2001                    | 6/6/2001                      |                              |                               | 6/18/2001                    |                               |      |
| Date Analyzed                  | 6/20/2001                    | 6/22/2001                     |                              |                               | 7/13/2001                    |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 193.5                         | Actual Vol (m <sup>3</sup> ) | 229.6                         | Actual Vol (m <sup>3</sup> ) | 148.5                         |      |
| <u>Compound</u>                | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 1.04                         | 0.01                          | U                            | 12.64                         | 0.06                         | 5.77                          | 0.04 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 1.15                         | 0.01                          | U                            | 11.17                         | 0.05                         | 4.76                          | 0.03 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 2.52                         | 0.01                          | U                            | 16.49                         | 0.07                         | 9.78                          | 0.07 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | 2.33                         | 0.01                          | U                            | ND                            | ND   |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | 12.36                        | 0.08                          | U    |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| Sample I.D.                 | 21321                        | 21518                   |                              | 21755                   |                              |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                   | ENG2234.D                    | ENG2268.D               |                              | ENG2307.D               |                              |
| Date Sampled                | 6/30/2001                    | 7/12/2001               |                              | 7/24/2001               |                              |
| Date Analyzed               | 8/3/2001                     | 8/10/2001               |                              | 8/21/2001               |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 206.7                   | Actual Vol (m <sup>3</sup> ) | 207.1                   | Actual Vol (m <sup>3</sup> ) |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |
|                             |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Dichlorobenzene         | 19.44                        | 0.09                    | 20.15                        | 0.10                    | 12.23                        |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Naphthalene                 | 81.96                        | 0.40                    | 201.62                       | 0.97                    | 68.29                        |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylnaphthalene         | 43.22                        | 0.21                    | 51.98                        | 0.25                    | 43.11                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthene                | 4.24                         | 0.02                    | U                            | 7.92                    | 0.04                         |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 21321                        | 21518                         |                              |                               | 21755                        |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2234.D                    | ENG2268.D                     |                              |                               | ENG2307.D                    |                               |      |
| <b>Date Sampled</b>           | 6/30/2001                    | 7/12/2001                     |                              |                               | 7/24/2001                    |                               |      |
| <b>Date Analyzed</b>          | 8/3/2001                     | 8/10/2001                     |                              |                               | 8/21/2001                    |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 206.7                         | Actual Vol (m <sup>3</sup> ) | 207.1                         | Actual Vol (m <sup>3</sup> ) | 198.5                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenzofuran                  | 6.33                         | 0.03                          | U                            | 7.19                          | 0.03                         | U                             | 8.02 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluorene                      | 5.81                         | 0.03                          | U                            | 6.24                          | 0.03                         | U                             | 7.52 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenanthrene                  | 12.62                        | 0.06                          | 12.61                        | 0.06                          | 15.02                        | 0.08                          |      |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-butyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | 1.17                         | 0.01                          | U    |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | 1.34                         | 0.01                          | U    |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

|                      |                              |                              |                              |
|----------------------|------------------------------|------------------------------|------------------------------|
| <b>Sample I.D.</b>   | 21985 - Field Blank          | 21986                        | 22217                        |
| <b>File I.D.</b>     | ENG2327.D                    | ENG2328.D                    | ENG2366.D                    |
| <b>Date Sampled</b>  | 8/5/2001                     | 8/5/2001                     | 8/17/2001                    |
| <b>Date Analyzed</b> | 8/22/2001                    | 8/22/2001                    | 9/21/2001                    |
|                      | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) |
|                      |                              | 190.9                        | 194.1                        |

| <u>Compound</u>             | <u>Final Conc (µg)</u> | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> |
|-----------------------------|------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | ND                     | ND                            | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | ND                     | 59.86                  | 0.31                          | 11.10                  | 0.06                          |
| Benzyl alcohol              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | ND                     | 225.73                 | 1.18                          | 46.64                  | 0.24                          |
| 2,6-Dichlorophenol          | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | ND                     | 104.08                 | 0.55                          | 24.04                  | 0.12                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | ND                     | 14.17                  | 0.07                          | 1.31                   | 0.01                          |
| 2,4-Dinitrotoluene          | ND                     | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

|                      |                     |           |           |
|----------------------|---------------------|-----------|-----------|
| <b>Sample I.D.</b>   | 21985 - Field Blank | 21986     | 22217     |
| <b>File I.D.</b>     | ENG2327.D           | ENG2328.D | ENG2366.D |
| <b>Date Sampled</b>  | 8/5/2001            | 8/5/2001  | 8/17/2001 |
| <b>Date Analyzed</b> | 8/22/2001           | 8/22/2001 | 9/21/2001 |

Actual Vol (m<sup>3</sup>)Actual Vol (m<sup>3</sup>)

190.9

Actual Vol (m<sup>3</sup>)

194.1

| <b>Compound</b>                | <b>Final Conc (µg)</b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |    |
|--------------------------------|------------------------|------------------------|-------------------------------|------------------------|-------------------------------|----|
| 2-Naphthylamine                | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Dibenzofuran                   | ND                     | 12.73                  | 0.07                          | 1.44                   | 0.01                          | U  |
| Pentachlorobenzene             | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 1-Naphthylamine                | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Diethyl phthalate              | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 4-Nitroaniline                 | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Fluorene                       | ND                     | 12.67                  | 0.07                          | ND                     | ND                            |    |
| 5-Nitro-o-toluidine            | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Diphenylamine                  | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Azobenzene                     | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Phenacetin                     | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Diallate                       | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 4-Bromophenyl phenyl ether     | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 4-Aminobiphenyl                | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Hexachlorobenzene              | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Pronamide                      | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Pentachlorophenol              | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Pentachloronitrobenzene        | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Phenanthrene                   | ND                     | 19.53                  | 0.10                          | 3.61                   | 0.02                          | U  |
| Dinoseb                        | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Anthracene                     | ND                     | 0.38                   | 0.002                         | U                      | ND                            | ND |
| Carbazole                      | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Di-n-butyl phthalate           | ND                     | 2.04                   | 0.01                          | U                      | ND                            | ND |
| Benzidine                      | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Isodrin                        | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Fluoranthene                   | ND                     | 2.98                   | 0.02                          | U                      | ND                            | ND |
| Pyrene                         | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 4-Dimethylaminoazobenzene      | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Chlorobenzilate                | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 3,3'-Dimethylbenzidine         | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Butyl benzyl phthalate         | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 2-Acetylaminofluorene          | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 3-Methylcholanthrene           | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 3,3'-Dichlorobenzidine         | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| bis(2-Ethylhexyl)phthalate     | ND                     | 1.74                   | 0.01                          | U                      | ND                            | ND |
| Benzo(a)anthracene             | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Chrysene                       | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Di-n-octyl phthalate           | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Benzo(b)fluoranthene           | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Benzo(k)fluoranthene           | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Benzo(a)pyrene                 | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Dibenz(a,h)anthracene          | ND                     | ND                     | ND                            | ND                     | ND                            |    |
| Benzo(g,h,i)perylene           | ND                     | ND                     | ND                            | ND                     | ND                            |    |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| Sample I.D.                 | 22616                        | 22782 - Field Blank           |                              | 22783                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|-------------------------------|
| File I.D.                   | ENG2393.D                    | ENG2415.D                     | <td>ENG2416.D</td> <td></td> | ENG2416.D                    |                               |
| Date Sampled                | 8/29/2001                    | 9/10/2001                     |                              | 9/10/2001                    |                               |
| Date Analyzed               | 9/23/2001                    | 10/2/2001                     |                              | 10/2/2001                    |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 158.1                         | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | 196.4                         |
| <u>Compound</u>             | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 12.66                        | 0.08                          | ND                           | 10.51                        | 0.05                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                           | ND                            |
| Naphthalene                 | 311.05                       | 1.97                          | ND                           | 40.20                        | 0.20                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Methylnaphthalene         | 48.44                        | 0.31                          | ND                           | 23.28                        | 0.12                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                           | ND                            |
| Iosafrole                   | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                           | ND                            |
| Acenaphthylene              | 0.75                         | 0.005                         | U                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                           | ND                            |
| Acenaphthene                | 15.39                        | 0.10                          | ND                           | 1.02                         | 0.01                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| <u>Sample I.D.</u>             | 22616                        | 22782 - Field Blank           |                              | 22783                        |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|-------------------------------|
| <u>File I.D.</u>               | ENG2393.D                    | ENG2415.D                     |                              | ENG2416.D                    |                               |
| <u>Date Sampled</u>            | 8/29/2001                    | 9/10/2001                     |                              | 9/10/2001                    |                               |
| <u>Date Analyzed</u>           | 9/23/2001                    | 10/2/2001                     |                              | 10/2/2001                    |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 158.1                         | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | 196.4                         |
| <u>Compound</u>                | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                           | ND                            |
| Dibenzofuran                   | 9.30                         | 0.06                          | ND                           | 1.02                         | 0.01                          |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                           | ND                            |
| Diethyl phthalate              | 1.63                         | 0.01                          | U                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                           | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                           | ND                            |
| Fluorene                       | 8.79                         | 0.06                          | U                            | ND                           | 1.12                          |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                           | ND                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                           | ND                            |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                           | ND                            |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                           | ND                            |
| Diallate                       | ND                           | ND                            | ND                           | ND                           | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                           | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                           | ND                            |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                           | ND                            |
| Pronamide                      | ND                           | ND                            | ND                           | ND                           | ND                            |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                           | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                           | ND                            |
| Phenanthrene                   | 12.19                        | 0.08                          |                              | ND                           | 2.99                          |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                           | ND                            |
| Anthracene                     | 1.04                         | 0.01                          | U                            | ND                           | ND                            |
| Carbazole                      | ND                           | ND                            | ND                           | ND                           | ND                            |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                           | ND                            |
| Benzidine                      | ND                           | ND                            | ND                           | ND                           | ND                            |
| Isodrin                        | ND                           | ND                            | ND                           | ND                           | ND                            |
| Fluoranthene                   | 1.75                         | 0.01                          | U                            | ND                           | 0.67                          |
| Pyrene                         | 1.06                         | 0.01                          | U                            | ND                           | 0.003                         |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                           | ND                            |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                           | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                           | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                           | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                           | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                           | ND                            |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                           | ND                            |
| Chrysene                       | ND                           | ND                            | ND                           | ND                           | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                           | ND                            |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                           | ND                            |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                           | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                           | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                           | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| Sample I.D.                  | 23036      |  | 23225                        |       | 23453                        |       |
|------------------------------|------------|--|------------------------------|-------|------------------------------|-------|
| File I.D.                    | ENG2454.D  |  | ENG2527.D                    |       | ENG2563.D                    |       |
| Date Sampled                 | 9/22/2001  |  | 10/4/2001                    |       | 10/16/2001                   |       |
| Date Analyzed                | 10/19/2001 |  | 11/27/2001                   |       | 11/29/2001                   |       |
| Actual Vol (m <sup>3</sup> ) | 194.1      |  | Actual Vol (m <sup>3</sup> ) | 203.6 | Actual Vol (m <sup>3</sup> ) | 211.7 |

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pyridine                    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Picoline                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenol                      | 33.31           | 0.17                    | ND              | ND                      | ND              | ND                      |
| Pentachloroethane           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Aniline                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 22.59           | 0.12                    | 18.87           | 0.09                    | 8.30            | 0.04                    |
| Benzyl alcohol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| o-Toluidine                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloroethane            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acetophenone                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Nitrobenzene                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isophorone                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Naphthalene                 | 98.57           | 0.51                    | 74.58           | 0.37                    | 125.82          | 0.59                    |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloropropene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Safrole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 48.34           | 0.25                    | 41.20           | 0.20                    | 27.21           | 0.13                    |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isosafrole                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dintrobenzene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthylene              | 4.64            | 0.02                    | U               | ND                      | ND              | ND                      |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthene                | 2.56            | 0.01                    | U               | 2.39                    | 0.01            | U                       |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>   | 23036                        | 23225      |                              | 23453      |                              |
|----------------------|------------------------------|------------|------------------------------|------------|------------------------------|
| <b>File I.D.</b>     | ENG2454.D                    | ENG2527.D  |                              | ENG2563.D  |                              |
| <b>Date Sampled</b>  | 9/22/2001                    | 10/4/2001  |                              | 10/16/2001 |                              |
| <b>Date Analyzed</b> | 10/19/2001                   | 11/27/2001 |                              | 11/29/2001 |                              |
|                      | Actual Vol (m <sup>3</sup> ) | 194.1      | Actual Vol (m <sup>3</sup> ) | 203.6      | Actual Vol (m <sup>3</sup> ) |
|                      |                              |            |                              |            | 211.7                        |

| <b>Compound</b>                | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   |
|--------------------------------|------------------------|-------------------------------|---|------------------------|-------------------------------|---|------------------------|-------------------------------|---|
| 2-Naphthylamine                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Dibenzofuran                   | 2.48                   | 0.01                          | U | 2.29                   | 0.01                          | U | 1.35                   | 0.01                          | U |
| Pentachlorobenzene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 1-Naphthylamine                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diethyl phthalate              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Nitroaniline                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Fluorene                       | 2.94                   | 0.02                          | U | 2.28                   | 0.01                          | U | 1.50                   | 0.01                          | U |
| 5-Nitro-o-toluidine            | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diphenylamine                  | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Azobenzene                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Phenacetin                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Diallate                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Aminobiphenyl                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Hexachlorobenzene              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pronamide                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pentachlorophenol              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Pentachloronitrobenzene        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Phenanthrene                   | 6.58                   | 0.03                          | U | 4.83                   | 0.02                          | U | 3.46                   | 0.02                          | U |
| Dinoseb                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Anthracene                     | 0.89                   | 0.005                         | U | ND                     | ND                            |   | ND                     | ND                            |   |
| Carbazole                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Di-n-butyl phthalate           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzidine                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Isodrin                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Fluoranthene                   | 1.23                   | 0.01                          | U | ND                     | ND                            |   | ND                     | ND                            |   |
| Pyrene                         | 1.06                   | 0.01                          | U | ND                     | ND                            |   | ND                     | ND                            |   |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Chlorobenzilate                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Butyl benzyl phthalate         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 2-Acetylaminofluorene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3-Methylcholanthrene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| bis(2-Ethylhexyl)phthalate     | 3.36                   | 0.02                          | U | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(a)anthracene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Chrysene                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Di-n-octyl phthalate           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(b)fluoranthene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(k)fluoranthene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(a)pyrene                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Dibenz(a,h)anthracene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |
| Benzo(g,h,i)perylene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     | ND                            |   |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

|                      |                              |       |                              |       |                              |       |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|-------|
| <b>Sample I.D.</b>   | 23670                        |       | 23939                        |       | 24171                        |       |
| <b>File I.D.</b>     | ENG2621.D                    |       | ENG2644.D                    |       | ENG2685.D                    |       |
| <b>Date Sampled</b>  | 10/28/2001                   |       | 11/9/2001                    |       | 11/21/2001                   |       |
| <b>Date Analyzed</b> | 12/11/2001                   |       | 12/13/2001                   |       | 12/18/2001                   |       |
|                      | Actual Vol (m <sup>3</sup> ) | 201.8 | Actual Vol (m <sup>3</sup> ) | 204.5 | Actual Vol (m <sup>3</sup> ) | 209.6 |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |      |       |   |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------|-------|---|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 1,4-Dichlorobenzene         | 24.20                  | 0.12                          | 10.62                  | 0.05                          | U                      | 13.62                         | 0.06 |       |   |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Naphthalene                 | 46.57                  | 0.23                          | 60.47                  | 0.30                          | 58.00                  | 0.28                          |      |       |   |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2-Methylnaphthalene         | 21.61                  | 0.11                          | 33.43                  | 0.16                          | 25.72                  | 0.12                          |      |       |   |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 1,3-Dintrobenzene           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Acenaphthylene              | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |
| Acenaphthene                | 0.82                   | 0.004                         | U                      | 0.85                          | 0.004                  | U                             | 0.62 | 0.003 | U |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     | ND                            |      |       |   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| <u>Sample I.D.</u>             | 23670                        | 23939                         |                              |                               | 24171                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <u>File I.D.</u>               | ENG2621.D                    | ENG2644.D                     |                              |                               | ENG2685.D                    |                               |      |
| <u>Date Sampled</u>            | 10/28/2001                   | 11/9/2001                     |                              |                               | 11/21/2001                   |                               |      |
| <u>Date Analyzed</u>           | 12/11/2001                   | 12/13/2001                    |                              |                               | 12/18/2001                   |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 201.8                         | Actual Vol (m <sup>3</sup> ) | 204.5                         | Actual Vol (m <sup>3</sup> ) | 209.6                         |      |
| <u>Compound</u>                | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenzofuran                   | 0.92                         | 0.005                         | U                            | 0.99                          | 0.005                        | U                             | 0.95 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluorene                       | 0.72                         | 0.004                         | U                            | 1.11                          | 0.01                         | U                             | 0.71 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Phenanthrene                   | 1.63                         | 0.01                          | U                            | 2.56                          | 0.01                         | U                             | ND   |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| Sample I.D.                 | 24380                        |                         | 24631                        |                         | 24959                        |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2733.D                    |                         | ENG2767.D                    |                         | ENG2797.D                    |                         |
| Date Sampled                | 12/3/2001                    |                         | 12/15/2001                   |                         | 12/27/2001                   |                         |
| Date Analyzed               | 1/15/2002                    |                         | 1/16/2002                    |                         | 1/17/2002                    |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 209.2                   | Actual Vol (m <sup>3</sup> ) | 243.9                   | Actual Vol (m <sup>3</sup> ) | 247.2                   |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | ND                      | 34.82                        | 0.14                    | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 18.05                        | 0.09                    | 35.13                        | 0.14                    | 5.62                         | 0.02                    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 81.03                        | 0.39                    | 122.89                       | 0.50                    | 26.60                        | 0.11                    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 40.96                        | 0.20                    | 46.02                        | 0.19                    | 13.43                        | 0.05                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Iisosafrole                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | 1.77                         | 0.01                    | U                            | 1.65                    | 0.01                         | U                       |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 1.57                         | 0.01                    | U                            | 1.54                    | 0.01                         | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

| <u>Sample I.D.</u>             | 24380                        | 24631                         |                              | 24959                         |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|------|
| <u>File I.D.</u>               | ENG2733.D                    | ENG2767.D                     |                              | ENG2797.D                     |                               |      |
| <u>Date Sampled</u>            | 12/3/2001                    | 12/15/2001                    |                              | 12/27/2001                    |                               |      |
| <u>Date Analyzed</u>           | 1/15/2002                    | 1/16/2002                     |                              | 1/17/2002                     |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 209.2                         | Actual Vol (m <sup>3</sup> ) | 243.9                         | Actual Vol (m <sup>3</sup> )  |      |
| <u>Compound</u>                | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>        |      |
|                                |                              |                               |                              |                               | <u>Final µg/m<sup>3</sup></u> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Dibenzofuran                   | 1.99                         | 0.01                          | U                            | 1.89                          | 0.01                          | ND   |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Fluorene                       | 1.91                         | 0.01                          | U                            | 2.18                          | 0.01                          | 0.51 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Phenanthrene                   | 3.21                         | 0.02                          | U                            | 3.90                          | 0.02                          | 1.19 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Fluoranthene                   | 0.79                         | 0.004                         | U                            | ND                            | ND                            | ND   |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND   |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                  | 20259     | 20375     | 20446     |
|------------------------------|-----------|-----------|-----------|
| File I.D.                    | ENG2027.D | ENG2029.D | ENG2031.D |
| Date Sampled                 | 5/19/2001 | 5/25/2001 | 5/31/2001 |
| Date Analyzed                | 6/20/2001 | 6/20/2001 | 6/20/2001 |
| Actual Vol (m <sup>3</sup> ) | 229.62    | 196.07    | 207.79    |

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |      |       |   |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|------|-------|---|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Pyridine                    | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2-Picoline                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| N-Nitrosomethylethylamine   | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Phenol                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Pentachloroethane           | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Aniline                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 1,4-Dichlorobenzene         | 23.73           | 0.10                    | 17.79           | 0.09                    | 18.79           | 0.09                    |      |       |   |
| Benzyl alcohol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2-Methylphenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 3&4-Methylphenol            | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| o-Toluidine                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Hexachloroethane            | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Acetophenone                | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Nitrobenzene                | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Isophorone                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Naphthalene                 | 51.59           | 0.22                    | 57.30           | 0.29                    | 39.20           | 0.19                    |      |       |   |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Hexachloropropene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Safrole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2-Methylnaphthalene         | 8.55            | 0.04                    | U               | 16.66                   | 0.08            | 13.91                   | 0.07 |       |   |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Isosafrole                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 1,3-Dinitrobenzene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Acenaphthylene              | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |
| Acenaphthene                | 2.11            | 0.01                    | U               | 0.74                    | 0.004           | U                       | 0.83 | 0.004 | U |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |       |   |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                  | 20259     | 20375                        | 20446     |                              |        |
|------------------------------|-----------|------------------------------|-----------|------------------------------|--------|
| File I.D.                    | ENG2027.D | ENG2029.D                    | ENG2031.D |                              |        |
| Date Sampled                 | 5/19/2001 | 5/25/2001                    | 5/31/2001 |                              |        |
| Date Analyzed                | 6/20/2001 | 6/20/2001                    | 6/20/2001 |                              |        |
| Actual Vol (m <sup>3</sup> ) | 229.62    | Actual Vol (m <sup>3</sup> ) | 196.07    | Actual Vol (m <sup>3</sup> ) | 207.79 |

| Compound                       | Final Conc (µg) | Final µg/m <sup>3</sup> |   | Final Conc (µg) | Final µg/m <sup>3</sup> |   | Final Conc (µg) | Final µg/m <sup>3</sup> |   |
|--------------------------------|-----------------|-------------------------|---|-----------------|-------------------------|---|-----------------|-------------------------|---|
| 2-Naphthylamine                | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Dibenzofuran                   | 2.98            | 0.01                    | U | 0.81            | 0.004                   | U | 1.48            | 0.01                    | U |
| Pentachlorobenzene             | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 1-Naphthylamine                | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Diethyl phthalate              | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 2,3,4,6-Tetrachlorophenol      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Nitroaniline                 | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Chlorophenyl-phenyl ether    | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Fluorene                       | 2.39            | 0.01                    | U | ND              | ND                      |   | 0.89            | 0.004                   | U |
| 5-Nitro-o-toluidine            | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4,6-Dinitro-2-methylphenol     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Diphenylamine                  | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Azobenzene                     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Phenacetin                     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Diallate                       | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Bromophenyl phenyl ether     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Aminobiphenyl                | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Hexachlorobenzene              | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Pronamide                      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Pentachlorophenol              | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Pentachloronitrobenzene        | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Phenanthrene                   | 6.33            | 0.03                    | U | 2.38            | 0.01                    | U | 3.34            | 0.02                    | U |
| Dinoseb                        | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Anthracene                     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Carbazole                      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Di-n-butyl phthalate           | ND              | ND                      |   | ND              | ND                      |   | 13.38           | 0.06                    | U |
| Benzidine                      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Isodrin                        | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Fluoranthene                   | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Pyrene                         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Dimethylaminoazobenzene      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Chlorobenzilate                | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 3,3'-Dimethylbenzidine         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Butyl benzyl phthalate         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 2-Acetylaminofluorene          | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 3-Methylcholanthrene           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 3,3'-Dichlorobenzidine         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| bis(2-Ethylhexyl)phthalate     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(a)anthracene             | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Chrysene                       | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Di-n-octyl phthalate           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 7,12-Dimethylbenz(a)anthracene | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(b)fluoranthene           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(k)fluoranthene           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(a)pyrene                 | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Indeno(1,2,3-cd)pyrene         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Dibenz(a,h)anthracene          | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(g,h,i)perylene           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                 | 20564                        | 20633                   | 20941                        |                         |                              |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2037.D                    | ENG2068.D               | ENG2249.D                    |                         |                              |                         |
| Date Sampled                | 6/6/2001                     | 6/12/2001               | 6/18/2001                    |                         |                              |                         |
| Date Analyzed               | 6/22/2001                    | 6/28/2001               | 8/7/2001                     |                         |                              |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 210.6                   | Actual Vol (m <sup>3</sup> ) | 242.2                   | Actual Vol (m <sup>3</sup> ) | 230.1                   |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | 16.67                        | 0.08                    | U                            | ND                      | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 129.26                       | 0.61                    | 21.48                        | 0.09                    | 27.11                        | 0.12                    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | 32.04                        | 0.14                    |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | 24.03                        | 0.10                    |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | 56.90                        | 0.25                    |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 59.97                        | 0.28                    | 65.45                        | 0.27                    | 69.10                        | 0.30                    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 16.01                        | 0.08                    | 18.76                        | 0.08                    | 23.01                        | 0.10                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | ND                           | ND                      | 2.70                         | 0.01                    | U                            | 2.31                    |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      |                              | 0.010                   |
|                             |                              |                         |                              |                         |                              | U                       |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | <b>20564</b>                 | <b>20633</b>                  |                              |                               | <b>20941</b>                 |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2037.D                    | ENG2068.D                     |                              |                               | ENG2249.D                    |                               |      |
| <b>Date Sampled</b>            | 6/6/2001                     | 6/12/2001                     |                              |                               | 6/18/2001                    |                               |      |
| <b>Date Analyzed</b>           | 6/22/2001                    | 6/28/2001                     |                              |                               | 8/7/2001                     |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 210.6                         | Actual Vol (m <sup>3</sup> ) | 242.2                         | Actual Vol (m <sup>3</sup> ) | 230.1                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | ND                           | ND                            | 3.72                         | 0.02                          | U                            | 3.93                          | 0.02 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | ND                           | ND                            | 2.97                         | 0.01                          | U                            | 2.60                          | 0.01 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | ND                           | ND                            | 12.01                        | 0.05                          | 10.35                        | 0.05                          |      |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | 7.62                         | 0.03                          | U                            | ND                            | ND   |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                  | 21122     | 21270     | 21309     |
|------------------------------|-----------|-----------|-----------|
| File I.D.                    | ENG2119.D | ENG2121.D | ENG2238.D |
| Date Sampled                 | 6/24/2001 | 6/30/2001 | 7/6/2001  |
| Date Analyzed                | 7/11/2001 | 7/12/2001 | 8/3/2001  |
| Actual Vol (m <sup>3</sup> ) | 215.5     | 233.3     | 248.6     |

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pyridine                    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Picoline                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenol                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pentachloroethane           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Aniline                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | ND              | ND                      | 27.84           | 0.12                    | 13.09           | 0.05                    |
| Benzyl alcohol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| o-Toluidine                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloroethane            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acetophenone                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Nitrobenzene                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isophorone                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Naphthalene                 | 41.30           | 0.19                    | 50.97           | 0.22                    | 46.26           | 0.19                    |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloropropene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Safrole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 14.62           | 0.07                    | 20.56           | 0.09                    | 18.67           | 0.08                    |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isosafrole                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dinitrobenzene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthylene              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthene                | 1.68            | 0.01                    | U               | 2.05                    | 0.01            | U                       |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - St. Louis, MO (SLMO)**  
**2001 Final Data Report**

| <b>Sample I.D.</b>             | <b>21122</b>                 | <b>21270</b>                  |                              |                               | <b>21309</b>                 |                               |                |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|----------------|
| <b>File I.D.</b>               | ENG2119.D                    | ENG2121.D                     |                              |                               | ENG2238.D                    |                               |                |
| <b>Date Sampled</b>            | 6/24/2001                    | 6/30/2001                     |                              |                               | 7/6/2001                     |                               |                |
| <b>Date Analyzed</b>           | 7/11/2001                    | 7/12/2001                     |                              |                               | 8/3/2001                     |                               |                |
|                                | Actual Vol (m <sup>3</sup> ) | 215.5                         | Actual Vol (m <sup>3</sup> ) | 233.3                         | Actual Vol (m <sup>3</sup> ) | 248.6                         |                |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |                |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Dibenzofuran                   | 2.66                         | 0.01                          | U                            | 3.28                          | 0.01                         | U                             | 3.02<br>0.01 U |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Fluorene                       | ND                           | ND                            | 2.69                         | 0.01                          | U                            | ND                            | ND             |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Phenanthrene                   | 6.56                         | 0.03                          | U                            | 8.66                          | 0.04                         | U                             | 8.53<br>0.03 U |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |                |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                 | 21523           | File I.D.       | SLMO            | 21668       | 21716           |
|-----------------------------|-----------------|-----------------|-----------------|-------------|-----------------|
| Date Sampled                | 7/12/2001       | Actual Vol (m³) | 224.3           | VOID        | VOID            |
| Date Analyzed               | 8/17/2001       | Actual Vol (m³) |                 | 7/18/2001   | 7/24/2001       |
| Compound                    | Final Conc (µg) | Final µg/m³     | Final Conc (µg) | Final µg/m³ | Final Conc (µg) |
|                             |                 |                 |                 |             | Final µg/m³     |
| N-Nitrosodimethylamine      | 15.55           | 0.07            | U               |             |                 |
| Pyridine                    | ND              | ND              |                 |             |                 |
| Ethyl methanesulfonate      | ND              | ND              |                 |             |                 |
| 2-Picoline                  | ND              | ND              |                 |             |                 |
| N-Nitrosomethylethylamine   | ND              | ND              |                 |             |                 |
| Methyl methanesulfonate     | ND              | ND              |                 |             |                 |
| N-Nitrosodiethylamine       | ND              | ND              |                 |             |                 |
| Phenol                      | ND              | ND              |                 |             |                 |
| Pentachloroethane           | ND              | ND              |                 |             |                 |
| bis (2-Chloroethyl)ether    | ND              | ND              |                 |             |                 |
| Aniline                     | ND              | ND              |                 |             |                 |
| 2-Chlorophenol              | ND              | ND              |                 |             |                 |
| 1,3-Dichlorobenzene         | ND              | ND              |                 |             |                 |
| 1,4-Dichlorobenzene         | 57.24           | 0.26            |                 |             |                 |
| Benzyl alcohol              | ND              | ND              |                 |             |                 |
| 2-Methylphenol              | ND              | ND              |                 |             |                 |
| 1,2-Dichlorobenzene         | ND              | ND              |                 |             |                 |
| bis(2-Chloroisopropyl)ether | ND              | ND              |                 |             |                 |
| 3&4-Methylphenol            | ND              | ND              |                 |             |                 |
| N-Nitrosopyrrolidine        | ND              | ND              |                 |             |                 |
| N-Nitrosodipropylamine      | ND              | ND              |                 |             |                 |
| o-Toluidine                 | ND              | ND              |                 |             |                 |
| Hexachloroethane            | ND              | ND              |                 |             |                 |
| Acetophenone                | ND              | ND              |                 |             |                 |
| Nitrobenzene                | ND              | ND              |                 |             |                 |
| N-Nitrosopiperidine         | ND              | ND              |                 |             |                 |
| Isophorone                  | ND              | ND              |                 |             |                 |
| 2-Nitrophenol               | ND              | ND              |                 |             |                 |
| 2,4-Dimethylphenol          | ND              | ND              |                 |             |                 |
| bis(2-Chloroethoxy)methane  | ND              | ND              |                 |             |                 |
| 2,4-Dichlorophenol          | ND              | ND              |                 |             |                 |
| 4-Chloroaniline             | ND              | ND              |                 |             |                 |
| 1,2,4-Trichlorobenzene      | ND              | ND              |                 |             |                 |
| Naphthalene                 | 114.88          | 0.51            |                 |             |                 |
| 2,6-Dichlorophenol          | ND              | ND              |                 |             |                 |
| Hexachloropropene           | ND              | ND              |                 |             |                 |
| Hexachlorobutadiene         | ND              | ND              |                 |             |                 |
| N-Nitrosodibutylamine       | ND              | ND              |                 |             |                 |
| 4-Chloro-3-methylphenol     | ND              | ND              |                 |             |                 |
| Safrole                     | ND              | ND              |                 |             |                 |
| 2-Methylnaphthalene         | 30.36           | 0.14            |                 |             |                 |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND              |                 |             |                 |
| 2,4,6-Trichlorophenol       | ND              | ND              |                 |             |                 |
| Hexachlorocyclopentadiene   | ND              | ND              |                 |             |                 |
| 2,4,5-Trichlorophenol       | ND              | ND              |                 |             |                 |
| 2-Nitroaniline              | ND              | ND              |                 |             |                 |
| Isosafrole                  | ND              | ND              |                 |             |                 |
| 2-Chloronaphthalene         | ND              | ND              |                 |             |                 |
| 1,4-Naphthoquinone          | ND              | ND              |                 |             |                 |
| Dimethyl phthalate          | ND              | ND              |                 |             |                 |
| 1,3-Dintrobenzene           | ND              | ND              |                 |             |                 |
| 2,6-Dinitrotoluene          | ND              | ND              |                 |             |                 |
| 3-Nitroaniline              | ND              | ND              |                 |             |                 |
| Acenaphthylene              | 1.03            | 0.005           | U               |             |                 |
| 2,4-Dinitrophenol           | ND              | ND              |                 |             |                 |
| 4-Nitrophenol               | ND              | ND              |                 |             |                 |
| Acenaphthene                | 4.03            | 0.02            | U               |             |                 |
| 2,4-Dinitrotoluene          | ND              | ND              |                 |             |                 |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                    | 21523                        | File I.D.                     | SLMO                         | 21668                         | 21716                        |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| Date Sampled                   | 7/12/2001                    | Date Analyzed                 | 8/17/2001                    | VOID                          | VOID                         |
|                                | Actual Vol (m <sup>3</sup> ) |                               | Actual Vol (m <sup>3</sup> ) |                               | Actual Vol (m <sup>3</sup> ) |
| <u>Compound</u>                | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       |
| 2-Naphthylamine                | ND                           | ND                            |                              |                               |                              |
| Dibenzofuran                   | 4.09                         | 0.02                          | U                            |                               |                              |
| Pentachlorobenzene             | ND                           | ND                            |                              |                               |                              |
| 1-Naphthylamine                | ND                           | ND                            |                              |                               |                              |
| Diethyl phthalate              | ND                           | ND                            |                              |                               |                              |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            |                              |                               |                              |
| 4-Nitroaniline                 | ND                           | ND                            |                              |                               |                              |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            |                              |                               |                              |
| Fluorene                       | 3.42                         | 0.02                          | U                            |                               |                              |
| 5-Nitro-o-toluidine            | ND                           | ND                            |                              |                               |                              |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            |                              |                               |                              |
| Diphenylamine                  | ND                           | ND                            |                              |                               |                              |
| Azobenzene                     | ND                           | ND                            |                              |                               |                              |
| Phenacetin                     | ND                           | ND                            |                              |                               |                              |
| Diallate                       | ND                           | ND                            |                              |                               |                              |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            |                              |                               |                              |
| 4-Aminobiphenyl                | ND                           | ND                            |                              |                               |                              |
| Hexachlorobenzene              | ND                           | ND                            |                              |                               |                              |
| Pronamide                      | ND                           | ND                            |                              |                               |                              |
| Pentachlorophenol              | ND                           | ND                            |                              |                               |                              |
| Pentachloronitrobenzene        | ND                           | ND                            |                              |                               |                              |
| Phenanthrene                   | 7.73                         | 0.03                          | U                            |                               |                              |
| Dinoseb                        | ND                           | ND                            |                              |                               |                              |
| Anthracene                     | 0.31                         | 0.001                         | U                            |                               |                              |
| Carbazole                      | ND                           | ND                            |                              |                               |                              |
| Di-n-butyl phthalate           | 15.64                        | 0.07                          |                              |                               |                              |
| Benzidine                      | ND                           | ND                            |                              |                               |                              |
| Isodrin                        | ND                           | ND                            |                              |                               |                              |
| Fluoranthene                   | ND                           | ND                            |                              |                               |                              |
| Pyrene                         | ND                           | ND                            |                              |                               |                              |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            |                              |                               |                              |
| Chlorobenzilate                | ND                           | ND                            |                              |                               |                              |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            |                              |                               |                              |
| Butyl benzyl phthalate         | ND                           | ND                            |                              |                               |                              |
| 2-Acetylaminofluorene          | ND                           | ND                            |                              |                               |                              |
| 3-Methylcholanthrene           | ND                           | ND                            |                              |                               |                              |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            |                              |                               |                              |
| bis(2-Ethylhexyl)phthalate     | 0.62                         | 0.003                         | U                            |                               |                              |
| Benzo(a)anthracene             | ND                           | ND                            |                              |                               |                              |
| Chrysene                       | ND                           | ND                            |                              |                               |                              |
| Di-n-octyl phthalate           | ND                           | ND                            |                              |                               |                              |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            |                              |                               |                              |
| Benzo(b)fluoranthene           | ND                           | ND                            |                              |                               |                              |
| Benzo(k)fluoranthene           | ND                           | ND                            |                              |                               |                              |
| Benzo(a)pyrene                 | ND                           | ND                            |                              |                               |                              |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            |                              |                               |                              |
| Dibenz(a,h)anthracene          | ND                           | ND                            |                              |                               |                              |
| Benzo(g,h,i)perylene           | ND                           | ND                            |                              |                               |                              |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

|                      |           |          |           |
|----------------------|-----------|----------|-----------|
| <b>Sample I.D.</b>   | 21919     | 22053    | 22085     |
| <b>File I.D.</b>     | VOID      | VOID     | ENG2341.D |
| <b>Date Sampled</b>  | 7/30/2001 | 8/5/2001 | 8/11/2001 |
| <b>Date Analyzed</b> |           |          | 9/20/2001 |

Actual Vol (m<sup>3</sup>)      Actual Vol (m<sup>3</sup>)      Actual Vol (m<sup>3</sup>)      249.8

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      |                        |                               |                        |                               | ND                     | ND                            |
| Pyridine                    |                        |                               |                        |                               | ND                     | ND                            |
| Ethyl methanesulfonate      |                        |                               |                        |                               | ND                     | ND                            |
| 2-Picoline                  |                        |                               |                        |                               | ND                     | ND                            |
| N-Nitrosomethylethylamine   |                        |                               |                        |                               | ND                     | ND                            |
| Methyl methanesulfonate     |                        |                               |                        |                               | ND                     | ND                            |
| N-Nitrosodiethylamine       |                        |                               |                        |                               | ND                     | ND                            |
| Phenol                      |                        |                               |                        |                               | ND                     | ND                            |
| Pentachloroethane           |                        |                               |                        |                               | ND                     | ND                            |
| bis (2-Chloroethyl)ether    |                        |                               |                        |                               | ND                     | ND                            |
| Aniline                     |                        |                               |                        |                               | ND                     | ND                            |
| 2-Chlorophenol              |                        |                               |                        |                               | ND                     | ND                            |
| 1,3-Dichlorobenzene         |                        |                               |                        |                               | ND                     | ND                            |
| 1,4-Dichlorobenzene         |                        |                               |                        |                               | 18.99                  | 0.08                          |
| Benzyl alcohol              |                        |                               |                        |                               | ND                     | ND                            |
| 2-Methylphenol              |                        |                               |                        |                               | ND                     | ND                            |
| 1,2-Dichlorobenzene         |                        |                               |                        |                               | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether |                        |                               |                        |                               | ND                     | ND                            |
| 3&4-Methylphenol            |                        |                               |                        |                               | ND                     | ND                            |
| N-Nitrosopyrrolidine        |                        |                               |                        |                               | ND                     | ND                            |
| N-Nitrosodipropylamine      |                        |                               |                        |                               | ND                     | ND                            |
| o-Toluidine                 |                        |                               |                        |                               | ND                     | ND                            |
| Hexachloroethane            |                        |                               |                        |                               | ND                     | ND                            |
| Acetophenone                |                        |                               |                        |                               | ND                     | ND                            |
| Nitrobenzene                |                        |                               |                        |                               | ND                     | ND                            |
| N-Nitrosopiperidine         |                        |                               |                        |                               | ND                     | ND                            |
| Isophorone                  |                        |                               |                        |                               | ND                     | ND                            |
| 2-Nitrophenol               |                        |                               |                        |                               | ND                     | ND                            |
| 2,4-Dimethylphenol          |                        |                               |                        |                               | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  |                        |                               |                        |                               | ND                     | ND                            |
| 2,4-Dichlorophenol          |                        |                               |                        |                               | ND                     | ND                            |
| 4-Chloroaniline             |                        |                               |                        |                               | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      |                        |                               |                        |                               | ND                     | ND                            |
| Naphthalene                 |                        |                               |                        |                               | 159.73                 | 0.64                          |
| 2,6-Dichlorophenol          |                        |                               |                        |                               | ND                     | ND                            |
| Hexachloropropene           |                        |                               |                        |                               | ND                     | ND                            |
| Hexachlorobutadiene         |                        |                               |                        |                               | ND                     | ND                            |
| N-Nitrosodibutylamine       |                        |                               |                        |                               | ND                     | ND                            |
| 4-Chloro-3-methylphenol     |                        |                               |                        |                               | ND                     | ND                            |
| Safrole                     |                        |                               |                        |                               | ND                     | ND                            |
| 2-Methylnaphthalene         |                        |                               |                        |                               | 33.42                  | 0.13                          |
| 1,2,4,5-Tetrachlorobenzene  |                        |                               |                        |                               | ND                     | ND                            |
| 2,4,6-Trichlorophenol       |                        |                               |                        |                               | ND                     | ND                            |
| Hexachlorocyclopentadiene   |                        |                               |                        |                               | ND                     | ND                            |
| 2,4,5-Trichlorophenol       |                        |                               |                        |                               | ND                     | ND                            |
| 2-Nitroaniline              |                        |                               |                        |                               | ND                     | ND                            |
| Isosafrole                  |                        |                               |                        |                               | ND                     | ND                            |
| 2-Chloronaphthalene         |                        |                               |                        |                               | ND                     | ND                            |
| 1,4-Naphthoquinone          |                        |                               |                        |                               | ND                     | ND                            |
| Dimethyl phthalate          |                        |                               |                        |                               | ND                     | ND                            |
| 1,3-Dinitrobenzene          |                        |                               |                        |                               | ND                     | ND                            |
| 2,6-Dinitrotoluene          |                        |                               |                        |                               | ND                     | ND                            |
| 3-Nitroaniline              |                        |                               |                        |                               | ND                     | ND                            |
| Acenaphthylene              |                        |                               |                        |                               | ND                     | ND                            |
| 2,4-Dinitrophenol           |                        |                               |                        |                               | ND                     | ND                            |
| 4-Nitrophenol               |                        |                               |                        |                               | ND                     | ND                            |
| Acenaphthene                |                        |                               |                        |                               | 4.48                   | 0.02                          |
| 2,4-Dinitrotoluene          |                        |                               |                        |                               | ND                     | ND                            |

U

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                    | 21919           | File I.D.               | VOID            | Date Sampled            | 7/30/2001       | Date Analyzed           | 8/5/2001        | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | 249.8 |
|--------------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|------------------------------|------------------------------|------------------------------|-------|
| Compound                       | Final Conc (µg) | Final µg/m <sup>3</sup>      | Final Conc (µg)              | Final µg/m <sup>3</sup>      |       |
| 2-Naphthylamine                |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Dibenzofuran                   |                 |                         |                 |                         |                 |                         | 6.79            | 0.03                         |                              |                              | U     |
| Pentachlorobenzene             |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| 1-Naphthylamine                |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Diethyl phthalate              |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| 2,3,4,6-Tetrachlorophenol      |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| 4-Nitroaniline                 |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| 4-Chlorophenyl-phenyl ether    |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Fluorene                       |                 |                         |                 |                         |                 |                         | 5.08            | 0.02                         |                              |                              | U     |
| 5-Nitro-o-toluidine            |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| 4,6-Dinitro-2-methylphenol     |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Diphenylamine                  |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Azobenzene                     |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Phenacetin                     |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Diallate                       |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| 4-Bromophenyl phenyl ether     |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| 4-Aminobiphenyl                |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Hexachlorobenzene              |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Pronamide                      |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Pentachlorophenol              |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Pentachloronitrobenzene        |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Phenanthrene                   |                 |                         |                 |                         |                 |                         | 10.69           | 0.04                         |                              |                              |       |
| Dinoseb                        |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Anthracene                     |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Carbazole                      |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Di-n-butyl phthalate           |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Benzidine                      |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Isodrin                        |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Fluoranthene                   |                 |                         |                 |                         |                 |                         | 1.81            | 0.01                         |                              |                              | U     |
| Pyrene                         |                 |                         |                 |                         |                 |                         | 1.23            | 0.005                        |                              |                              | U     |
| 4-Dimethylaminoazobenzene      |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Chlorobenzilate                |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| 3,3'-Dimethylbenzidine         |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Butyl benzyl phthalate         |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| 2-Acetylaminofluorene          |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| 3-Methylcholanthrene           |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| 3,3'-Dichlorobenzidine         |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| bis(2-Ethylhexyl)phthalate     |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Benzo(a)anthracene             |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Chrysene                       |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Di-n-octyl phthalate           |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| 7,12-Dimethylbenz(a)anthracene |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Benzo(b)fluoranthene           |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Benzo(k)fluoranthene           |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Benzo(a)pyrene                 |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Indeno(1,2,3-cd)pyrene         |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Dibenz(a,h)anthracene          |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |
| Benzo(g,h,i)perylene           |                 |                         |                 |                         |                 |                         | ND              | ND                           |                              |                              |       |

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

|                      |           |           |           |
|----------------------|-----------|-----------|-----------|
| <b>Sample I.D.</b>   | 22194     | 22410     | 22565     |
| <b>File I.D.</b>     | ENG2348.D | VOID      | ENG2353.D |
| <b>Date Sampled</b>  | 8/17/2001 | 8/23/2001 | 8/29/2001 |
| <b>Date Analyzed</b> | 9/20/2001 |           | 9/21/2001 |

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            |                        |                               | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Phenol                      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Aniline                     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 243.20                 | 1.29                          |                        |                               | 29.81                  | 0.13                          |
| Benzyl alcohol              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            |                        |                               | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            |                        |                               | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            |                        |                               | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Naphthalene                 | 49.23                  | 0.26                          |                        |                               | 75.20                  | 0.33                          |
| 2,6-Dichlorophenol          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Safrole                     | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Methylnaphthalene         | 15.22                  | 0.08                          |                        |                               | 29.11                  | 0.13                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Acenaphthylene              | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                            |                        |                               | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            |                        |                               | ND                     | ND                            |
| Acenaphthene                | 1.82                   | 0.01                          | U                      |                               | 3.73                   | 0.02                          |
| 2,4-Dinitrotoluene          | ND                     | ND                            |                        |                               | ND                     | ND                            |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                    | 22194                        | 22410                         | 22565                        |                               |                        |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------|-------------------------------|
| File I.D.                      | ENG2348.D                    | VOID                          | ENG2353.D                    |                               |                        |                               |
| Date Sampled                   | 8/17/2001                    | 8/23/2001                     | 8/29/2001                    |                               |                        |                               |
| Date Analyzed                  | 9/20/2001                    |                               | 9/21/2001                    |                               |                        |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 188.0                         | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  | 226.9                  |                               |
| <u>Compound</u>                | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> |
| 2-Naphthylamine                | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Dibenzofuran                   | 2.44                         | 0.01                          | U                            |                               | 5.73                   | 0.03                          |
| Pentachlorobenzene             | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 1-Naphthylamine                | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Diethyl phthalate              | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Fluorene                       | 1.63                         | 0.01                          | U                            |                               | 4.45                   | 0.02                          |
| 5-Nitro-o-toluidine            | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Diphenylamine                  | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Azobenzene                     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Phenacetin                     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Diallate                       | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Hexachlorobenzene              | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Pronamide                      | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Pentachlorophenol              | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Phenanthrene                   | 5.53                         | 0.03                          | U                            |                               | 11.24                  | 0.05                          |
| Dinoseb                        | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Anthracene                     | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Carbazole                      | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Di-n-butyl phthalate           | ND                           | ND                            |                              |                               | 2.63                   | 0.01                          |
| Benzidine                      | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Isodrin                        | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Fluoranthene                   | 1.22                         | 0.01                          | U                            |                               | 2.14                   | 0.01                          |
| Pyrene                         | ND                           | ND                            |                              |                               | 1.09                   | 0.005                         |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Chlorobenzilate                | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            |                              |                               | ND                     | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            |                              |                               | 1.63                   | 0.01                          |
| Benzo(a)anthracene             | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Chrysene                       | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            |                              |                               | ND                     | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Benzo(b)fluoranthene           | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Benzo(k)fluoranthene           | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            |                              |                               | ND                     | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            |                              |                               | ND                     | ND                            |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                    | 22701                        |                         | 22706                        |                         | 22917                        |                         |
|--------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                      | ENG2401.D                    |                         | ENG2406.D                    |                         | ENG2435.D                    |                         |
| Date Sampled                   | 9/4/2001                     |                         | 9/10/2001                    |                         | 9/16/2001                    |                         |
| Date Analyzed                  | 10/1/2001                    |                         | 10/1/2001                    |                         | 10/2/2001                    |                         |
|                                | Actual Vol (m <sup>3</sup> ) | 229.2                   | Actual Vol (m <sup>3</sup> ) | 227.2                   | Actual Vol (m <sup>3</sup> ) | 219.5                   |
| Compound                       | Final Conc (ug)              | Final ug/m <sup>3</sup> | Final Conc (ug)              | Final ug/m <sup>3</sup> | Final Conc (ug)              | Final ug/m <sup>3</sup> |
| N-Nitrosodimethylamine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylmethamphetamine | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloroethane              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene            | 41.99                        | 0.18                    | 100.99                       | 0.44                    | 46.80                        | 0.21                    |
| Benzyl alcohol                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                    | 90.69                        | 0.40                    | 106.14                       | 0.47                    | 57.65                        | 0.26                    |
| 2,6-Dichlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene            | 26.19                        | 0.11                    | 34.78                        | 0.15                    | 20.11                        | 0.09                    |
| 1,2,4,5-Tetrachlorobenzene     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene                 | ND                           | ND                      | 1.06                         | 0.005                   | U                            | ND                      |
| 2,4-Dinitrophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                   | 2.87                         | 0.01                    | U                            | 2.40                    | 0.01                         | U                       |
| 2,4-Dinitrotoluene             | ND                           | ND                      | ND                           | ND                      | 1.34                         | 0.01                    |
|                                |                              |                         |                              |                         | ND                           | U                       |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                    | 22701                        | 22706                   |                              |                         | 22917                        |                         |      |
|--------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------|
| File I.D.                      | ENG2401.D                    | ENG2406.D               |                              |                         | ENG2435.D                    |                         |      |
| Date Sampled                   | 9/4/2001                     | 9/10/2001               |                              |                         | 9/16/2001                    |                         |      |
| Date Analyzed                  | 10/1/2001                    | 10/1/2001               |                              |                         | 10/2/2001                    |                         |      |
|                                | Actual Vol (m <sup>3</sup> ) | 229.2                   | Actual Vol (m <sup>3</sup> ) | 227.2                   | Actual Vol (m <sup>3</sup> ) | 219.5                   |      |
| Compound                       | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |      |
| 2-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Dibenzofuran                   | 6.07                         | 0.03                    | U                            | 3.48                    | 0.02                         | U                       | 2.52 |
| Pentachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 1-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diethyl phthalate              | 2.68                         | 0.01                    | U                            | 2.18                    | 0.01                         | U                       | ND   |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Nitroaniline                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Fluorene                       | 4.55                         | 0.02                    | U                            | 2.97                    | 0.01                         | U                       | 1.73 |
| 5-Nitro-o-toluidine            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diphenylamine                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Azobenzene                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Phenacetin                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Diallate                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 4-Aminobiphenyl                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Hexachlorobenzene              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pronamide                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pentachlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Pentachloronitrobenzene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Phenanthrene                   | 12.38                        | 0.05                    |                              | 7.69                    | 0.03                         | U                       | 4.45 |
| Dinoseb                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Anthracene                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Carbazole                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Di-n-butyl phthalate           | ND                           | ND                      | ND                           | ND                      | 2.15                         | 0.01                    | U    |
| Benzidine                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Isodrin                        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Fluoranthene                   | 2.32                         | 0.01                    | U                            | 1.18                    | 0.01                         | U                       | ND   |
| Pyrene                         | 1.14                         | 0.005                   | U                            | 0.69                    | 0.003                        | U                       | ND   |
| 4-Dimethylaminoazobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Chlorobenzilate                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Butyl benzyl phthalate         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 2-Acetylaminofluorene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3-Methylcholanthrene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| bis(2-Ethylhexyl)phthalate     | 1.75                         | 0.01                    | U                            | 1.41                    | 0.01                         | U                       | ND   |
| Benzo(a)anthracene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Chrysene                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Di-n-octyl phthalate           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(b)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(k)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(a)pyrene                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Dibenz(a,h)anthracene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |
| Benzo(g,h,i)perylene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |      |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                 | 22970                        |                         | 23183                        |                         | 23256                        |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2436.D                    |                         | ENG2461.D                    |                         | ENG2517.D                    |                         |
| Date Sampled                | 9/22/2001                    |                         | 9/28/2001                    |                         | 10/4/2001                    |                         |
| Date Analyzed               | 10/2/2001                    |                         | 10/19/2001                   |                         | 11/27/2001                   |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 208.7                   | Actual Vol (m <sup>3</sup> ) | 236.9                   | Actual Vol (m <sup>3</sup> ) | 232.6                   |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 380.67                       | 1.82                    | 16.54                        | 0.07                    | 35.66                        | 0.15                    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | 13.60                        | 0.07                    | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 84.74                        | 0.41                    | 165.11                       | 0.70                    | 82.71                        | 0.36                    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 29.83                        | 0.14                    | 33.10                        | 0.14                    | 31.96                        | 0.14                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | ND                           | ND                      | 0.68                         | 0.003                   | U                            | ND                      |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 1.62                         | 0.01                    | U                            | 7.44                    | 0.03                         | 1.05                    |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| <b>Sample I.D.</b>             | 22970                        | 23183                         |                              |                               | 23256                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>               | ENG2436.D                    | ENG2461.D                     |                              |                               | ENG2517.D                    |                               |      |
| <b>Date Sampled</b>            | 9/22/2001                    | 9/28/2001                     |                              |                               | 10/4/2001                    |                               |      |
| <b>Date Analyzed</b>           | 10/2/2001                    | 10/19/2001                    |                              |                               | 11/27/2001                   |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 208.7                         | Actual Vol (m <sup>3</sup> ) | 236.9                         | Actual Vol (m <sup>3</sup> ) | 232.6                         |      |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 2.61                         | 0.01                          | U                            | 5.38                          | 0.02                         | U                             | 2.24 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | 2.24                         | 0.01                          | U                            | ND                            | ND                           | 1.83                          | 0.01 |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 2.11                         | 0.01                          | U                            | 4.38                          | 0.02                         | U                             | 1.62 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 5.78                         | 0.03                          | U                            | 7.76                          | 0.03                         | U                             | 4.62 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | 0.95                         | 0.005                         | U                            | 1.02                          | 0.004                        | U                             | ND   |
| Pyrene                         | ND                           | ND                            | 0.67                         | 0.003                         | U                            | ND                            | ND   |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                  | 23378      | 23488                        | 23618      |
|------------------------------|------------|------------------------------|------------|
| File I.D.                    | ENG2518.D  | ENG2564.D                    | ENG2519.D  |
| Date Sampled                 | 10/10/2001 | 10/16/2001                   | 10/22/2001 |
| Date Analyzed                | 11/27/2001 | 11/29/2001                   | 11/27/2001 |
| Actual Vol (m <sup>3</sup> ) | 218.1      | Actual Vol (m <sup>3</sup> ) | 234.8      |
|                              |            | Actual Vol (m <sup>3</sup> ) | 205.1      |

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pyridine                    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Picoline                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosomethylalkylamine   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenol                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pentachloroethane           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Aniline                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 17.65           | 0.08                    | 56.53           | 0.24                    | 25.04           | 0.12                    |
| Benzyl alcohol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| o-Toluidine                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloroethane            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acetophenone                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Nitrobenzene                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isophorone                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Naphthalene                 | 55.32           | 0.25                    | 42.54           | 0.18                    | 63.41           | 0.31                    |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloropropene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Safrole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 22.89           | 0.10                    | ND              | ND                      | 29.07           | 0.14                    |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isosafrole                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dinitrobenzene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthylene              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthene                | ND              | ND                      | ND              | ND                      | 0.85            | 0.004                   |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | U                       |

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - St. Louis, MO (SLMO)**  
**2001 Final Data Report**

| Sample I.D.                    | 23378                        | 23488                         |                              | 23618                         |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| File I.D.                      | ENG2518.D                    | ENG2564.D                     |                              | ENG2519.D                     |                               |
| Date Sampled                   | 10/10/2001                   | 10/16/2001                    |                              | 10/22/2001                    |                               |
| Date Analyzed                  | 11/27/2001                   | 11/29/2001                    |                              | 11/27/2001                    |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 218.1                         | Actual Vol (m <sup>3</sup> ) | 234.8                         | Actual Vol (m <sup>3</sup> )  |
| <b>Compound</b>                | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>        |
|                                |                              |                               |                              |                               | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenzofuran                   | 1.35                         | 0.01                          | U                            | ND                            | 1.42                          |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluorene                       | 0.98                         | 0.004                         | U                            | ND                            | 1.09                          |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenanthrene                   | 2.99                         | 0.01                          | U                            | ND                            | 3.06                          |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Anthracene                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluoranthene                   | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pyrene                         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)anthracene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chrysene                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                            |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                  | 23709      | 23874      | 23919      |
|------------------------------|------------|------------|------------|
| File I.D.                    | ENG2520.D  | ENG2609.D  | ENG2610.D  |
| Date Sampled                 | 10/28/2001 | 11/3/2001  | 11/9/2001  |
| Date Analyzed                | 11/27/2001 | 12/11/2001 | 12/11/2001 |
| Actual Vol (m <sup>3</sup> ) | 236.9      | 226.9      | 219.2      |

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |      |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|------|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Pyridine                    | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2-Picoline                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| N-Nitrosomethylethylamine   | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Phenol                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Pentachloroethane           | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Aniline                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 1,4-Dichlorobenzene         | ND              | ND                      | 382.89          | 1.69                    | 168.62          | 0.77                    |      |
| Benzyl alcohol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2-Methylphenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 3&4-Methylphenol            | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| o-Toluidine                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Hexachloroethane            | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Acetophenone                | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Nitrobenzene                | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Isophorone                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Naphthalene                 | 3.38            | 0.01                    | U               | 307.76                  | 1.36            | 159.60                  | 0.73 |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Hexachloropropene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Safrole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2-Methylnaphthalene         | 0.81            | 0.003                   | U               | 129.00                  | 0.57            | 70.59                   | 0.32 |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Isosafrole                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 1,3-Dinitrobenzene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Acenaphthylene              | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |      |
| Acenaphthene                | ND              | ND                      | 5.44            | 0.02                    | U               | 1.24                    | 0.01 |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      | U    |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                  | 23709      | 23874      | 23919      |
|------------------------------|------------|------------|------------|
| File I.D.                    | ENG2520.D  | ENG2609.D  | ENG2610.D  |
| Date Sampled                 | 10/28/2001 | 11/3/2001  | 11/9/2001  |
| Date Analyzed                | 11/27/2001 | 12/11/2001 | 12/11/2001 |
| Actual Vol (m <sup>3</sup> ) | 236.9      | 226.9      | 219.2      |

| Compound                       | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
|--------------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| 2-Naphthylamine                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dibenzofuran                   | ND              | ND                      | 5.18            | 0.02                    | U               | 1.98                    |
| Pentachlorobenzene             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1-Naphthylamine                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Diethyl phthalate              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,3,4,6-Tetrachlorophenol      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Nitroaniline                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chlorophenyl-phenyl ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Fluorene                       | ND              | ND                      | 4.21            | 0.02                    | U               | 2.01                    |
| 5-Nitro-o-toluidine            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4,6-Dinitro-2-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Diphenylamine                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Azobenzene                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenacetin                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Diallate                       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Bromophenyl phenyl ether     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Aminobiphenyl                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorobenzene              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pronamide                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pentachlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pentachloronitrobenzene        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenanthrene                   | ND              | ND                      | 8.27            | 0.04                    | U               | 4.06                    |
| Dinoseb                        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Anthracene                     | ND              | ND                      | 0.64            | 0.003                   | U               | ND                      |
| Carbazole                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Di-n-butyl phthalate           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Benzidine                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isodrin                        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Fluoranthene                   | ND              | ND                      | 1.53            | 0.01                    | U               | ND                      |
| Pyrene                         | ND              | ND                      | 1.37            | 0.01                    | U               | ND                      |
| 4-Dimethylaminoazobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Chlorobenzilate                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3,3'-Dimethylbenzidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Butyl benzyl phthalate         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Acetylaminofluorene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3-Methylcholanthrene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3,3'-Dichlorobenzidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Ethylhexyl)phthalate     | ND              | ND                      | 2.40            | 0.01                    | U               | ND                      |
| Benzo(a)anthracene             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Chrysene                       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Di-n-octyl phthalate           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 7,12-Dimethylbenz(a)anthracene | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Benzo(b)fluoranthene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Benzo(k)fluoranthene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Benzo(a)pyrene                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Indeno(1,2,3-cd)pyrene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dibenz(a,h)anthracene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Benzo(g,h,i)perylene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                  | 24066      | 24146                        | 24227      |
|------------------------------|------------|------------------------------|------------|
| File I.D.                    | ENG2611.D  | ENG2612.D                    | ENG2641.D  |
| Date Sampled                 | 11/15/2001 | 11/21/2001                   | 11/27/2001 |
| Date Analyzed                | 12/11/2001 | 12/11/2001                   | 12/12/2001 |
| Actual Vol (m <sup>3</sup> ) | 230.2      | Actual Vol (m <sup>3</sup> ) | 208.3      |
|                              |            | Actual Vol (m <sup>3</sup> ) | 215.1      |

| Compound                    | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
|-----------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| N-Nitrosodimethylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pyridine                    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Ethyl methanesulfonate      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Picoline                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosomethylethylamine   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Methyl methanesulfonate     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodiethylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenol                      | 33.85           | 0.15                    | 15.18           | 0.07                    | U               | ND                      |
| Pentachloroethane           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis (2-Chloroethyl)ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Aniline                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Dichlorobenzene         | 72.60           | 0.32                    | 34.99           | 0.17                    | 93.38           | 0.43                    |
| Benzyl alcohol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylphenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2-Dichlorobenzene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroisopropyl)ether | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3&4-Methylphenol            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopyrrolidine        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodipropylamine      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| o-Toluidine                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloroethane            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acetophenone                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Nitrobenzene                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosopiperidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isophorone                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dimethylphenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Chloroethoxy)methane  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloroaniline             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,2,4-Trichlorobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Naphthalene                 | 214.94          | 0.93                    | 89.27           | 0.43                    | 36.47           | 0.17                    |
| 2,6-Dichlorophenol          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachloropropene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorobutadiene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| N-Nitrosodibutylamine       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chloro-3-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Safrole                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Methylnaphthalene         | 109.66          | 0.476                   | 39.75           | 0.19                    | 12.20           | 0.06                    |
| 1,2,4,5-Tetrachlorobenzene  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,6-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorocyclopentadiene   | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,4,5-Trichlorophenol       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isosafrole                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Chloronaphthalene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,4-Naphthoquinone          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dimethyl phthalate          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1,3-Dinitrobenzene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,6-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3-Nitroaniline              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthylene              | 3.49            | 0.02                    | U               | 1.30                    | 0.01            | U                       |
| 2,4-Dinitrophenol           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Nitrophenol               | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Acenaphthene                | 1.77            | 0.01                    | U               | 0.40                    | 0.002           | U                       |
| 2,4-Dinitrotoluene          | ND              | ND                      | ND              | ND                      | 0.38            | 0.002                   |
|                             |                 |                         |                 |                         | ND              | ND                      |
|                             |                 |                         |                 |                         |                 | U                       |

ND - Not Detected

U - Under Detection Limit

**SemiVolatile Samples - St. Louis, MO (SLMO)**  
**2001 Final Data Report**

| Sample I.D.   | 24066                        | 24146      | 24227                        |       |                              |       |
|---------------|------------------------------|------------|------------------------------|-------|------------------------------|-------|
| File I.D.     | ENG2611.D                    | ENG2612.D  | ENG2641.D                    |       |                              |       |
| Date Sampled  | 11/15/2001                   | 11/21/2001 | 11/27/2001                   |       |                              |       |
| Date Analyzed | 12/11/2001                   | 12/11/2001 | 12/12/2001                   |       |                              |       |
|               | Actual Vol (m <sup>3</sup> ) | 230.2      | Actual Vol (m <sup>3</sup> ) | 208.3 | Actual Vol (m <sup>3</sup> ) | 215.1 |

| Compound                       | Final Conc (µg) | Final µg/m <sup>3</sup> |   | Final Conc (µg) | Final µg/m <sup>3</sup> |   | Final Conc (µg) | Final µg/m <sup>3</sup> |   |
|--------------------------------|-----------------|-------------------------|---|-----------------|-------------------------|---|-----------------|-------------------------|---|
| 2-Naphthylamine                | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Dibenzofuran                   | 2.60            | 0.01                    | U | 1.07            | 0.01                    | U | 0.54            | 0.002                   | U |
| Pentachlorobenzene             | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 1-Naphthylamine                | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Diethyl phthalate              | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 2,3,4,6-Tetrachlorophenol      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Nitroaniline                 | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Chlorophenyl-phenyl ether    | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Fluorene                       | 2.42            | 0.01                    | U | 0.85            | 0.004                   | U | 0.40            | 0.002                   | U |
| 5-Nitro-o-toluidine            | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4,6-Dinitro-2-methylphenol     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Diphenylamine                  | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Azobenzene                     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Phenacetin                     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Diallate                       | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Bromophenyl phenyl ether     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 4-Aminobiphenyl                | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Hexachlorobenzene              | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Pronamide                      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Pentachlorophenol              | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Pentachloronitrobenzene        | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Phenanthrene                   | 5.64            | 0.02                    | U | 2.72            | 0.01                    | U | 1.34            | 0.01                    | U |
| Dinoseb                        | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Anthracene                     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Carbazole                      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Di-n-butyl phthalate           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzidine                      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Isodrin                        | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Fluoranthene                   | 1.11            | 0.005                   | U | ND              | ND                      |   | ND              | ND                      |   |
| Pyrene                         | 1.18            | 0.01                    | U | ND              | ND                      |   | ND              | ND                      |   |
| 4-Dimethylaminoazobenzene      | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Chlorobenzilate                | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 3,3'-Dimethylbenzidine         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Butyl benzyl phthalate         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 2-Acetylaminofluorene          | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 3-Methylcholanthrene           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 3,3'-Dichlorobenzidine         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| bis(2-Ethylhexyl)phthalate     | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(a)anthracene             | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Chrysene                       | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Di-n-octyl phthalate           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| 7,12-Dimethylbenz(a)anthracene | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(b)fluoranthene           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(k)fluoranthene           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(a)pyrene                 | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Indeno(1,2,3-cd)pyrene         | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Dibenz(a,h)anthracene          | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |
| Benzo(g,h,i)perylene           | ND              | ND                      |   | ND              | ND                      |   | ND              | ND                      |   |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                 | 24496                        |                         | 24540                        |                         | 24584                        |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                   | ENG2736.D                    |                         | ENG2750.D                    |                         | VOID                         |
| Date Sampled                | 12/3/2001                    |                         | 12/9/2001                    |                         | 12/15/2001                   |
| Date Analyzed               | 1/15/2002                    |                         | 1/16/2002                    |                         |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 248.2                   | Actual Vol (m <sup>3</sup> ) | 229.9                   | Actual Vol (m <sup>3</sup> ) |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      |                              |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      |                              |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      |                              |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      |                              |
| N-Nitrosomethylalkylamine   | ND                           | ND                      | ND                           | ND                      |                              |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      |                              |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      |                              |
| Phenol                      | 13.63                        | 0.05                    | U                            | 16.17                   | 0.07                         |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      |                              |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      |                              |
| Aniline                     | ND                           | ND                      | ND                           | ND                      |                              |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      |                              |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      |                              |
| 1,4-Dichlorobenzene         | 32.32                        | 0.13                    |                              | 198.97                  | 0.87                         |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      |                              |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      |                              |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      |                              |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      |                              |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      |                              |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      |                              |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      |                              |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      |                              |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      |                              |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      |                              |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      |                              |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      |                              |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      |                              |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      |                              |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      |                              |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      |                              |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      |                              |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      |                              |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      |                              |
| Naphthalene                 | 61.72                        | 0.25                    |                              | 64.81                   | 0.28                         |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      |                              |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      |                              |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      |                              |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      |                              |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      |                              |
| Safrole                     | ND                           | ND                      | ND                           | ND                      |                              |
| 2-Methylnaphthalene         | 31.48                        | 0.13                    |                              | 24.01                   | 0.10                         |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      |                              |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      |                              |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      |                              |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      |                              |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      |                              |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      |                              |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      |                              |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      |                              |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      |                              |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                           | ND                      |                              |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      |                              |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      |                              |
| Acenaphthylene              | ND                           | ND                      | 0.94                         | 0.004                   | U                            |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      |                              |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      |                              |
| Acenaphthene                | 0.68                         | 0.003                   | U                            | 0.61                    | 0.003                        |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      |                              |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

| Sample I.D.                    | 24496                        | 24540                   |                              | 24584                        |                              |
|--------------------------------|------------------------------|-------------------------|------------------------------|------------------------------|------------------------------|
| File I.D.                      | ENG2736.D                    | ENG2750.D               |                              | VOID                         |                              |
| Date Sampled                   | 12/3/2001                    | 12/9/2001               |                              | 12/15/2001                   |                              |
| Date Analyzed                  | 1/15/2002                    | 1/16/2002               |                              | Actual Vol (m <sup>3</sup> ) |                              |
|                                | Actual Vol (m <sup>3</sup> ) | 248.2                   | Actual Vol (m <sup>3</sup> ) | 229.9                        | Actual Vol (m <sup>3</sup> ) |
| Compound                       | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup>      | Final Conc (µg)              |
|                                |                              |                         |                              |                              | Final µg/m <sup>3</sup>      |
| 2-Naphthylamine                | ND                           | ND                      | ND                           | ND                           | ND                           |
| Dibenzofuran                   | 1.09                         | 0.004                   | U                            | 1.44                         | 0.01                         |
| Pentachlorobenzene             | ND                           | ND                      | ND                           | ND                           | U                            |
| 1-Naphthylamine                | ND                           | ND                      | ND                           | ND                           | ND                           |
| Diethyl phthalate              | ND                           | ND                      | ND                           | ND                           | ND                           |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                      | ND                           | ND                           | ND                           |
| 4-Nitroaniline                 | ND                           | ND                      | ND                           | ND                           | ND                           |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                      | ND                           | ND                           | ND                           |
| Fluorene                       | 1.12                         | 0.005                   | U                            | ND                           | ND                           |
| 5-Nitro-o-toluidine            | ND                           | ND                      | ND                           | ND                           | ND                           |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                      | ND                           | ND                           | ND                           |
| Diphenylamine                  | ND                           | ND                      | ND                           | ND                           | ND                           |
| Azobenzene                     | ND                           | ND                      | ND                           | ND                           | ND                           |
| Phenacetin                     | ND                           | ND                      | ND                           | ND                           | ND                           |
| Diallate                       | ND                           | ND                      | ND                           | ND                           | ND                           |
| 4-Bromophenyl phenyl ether     | ND                           | ND                      | ND                           | ND                           | ND                           |
| 4-Aminobiphenyl                | ND                           | ND                      | ND                           | ND                           | ND                           |
| Hexachlorobenzene              | ND                           | ND                      | ND                           | ND                           | ND                           |
| Pronamide                      | ND                           | ND                      | ND                           | ND                           | ND                           |
| Pentachlorophenol              | ND                           | ND                      | ND                           | ND                           | ND                           |
| Pentachloronitrobenzene        | ND                           | ND                      | ND                           | ND                           | ND                           |
| Phenanthrene                   | 2.53                         | 0.01                    | U                            | 2.80                         | 0.01                         |
| Dinoseb                        | ND                           | ND                      | ND                           | ND                           | ND                           |
| Anthracene                     | ND                           | ND                      | ND                           | ND                           | ND                           |
| Carbazole                      | ND                           | ND                      | ND                           | ND                           | ND                           |
| Di-n-butyl phthalate           | ND                           | ND                      | ND                           | ND                           | ND                           |
| Benzidine                      | ND                           | ND                      | ND                           | ND                           | ND                           |
| Isodrin                        | ND                           | ND                      | ND                           | ND                           | ND                           |
| Fluoranthene                   | ND                           | ND                      | ND                           | ND                           | ND                           |
| Pyrene                         | ND                           | ND                      | ND                           | ND                           | ND                           |
| 4-Dimethylaminoazobenzene      | ND                           | ND                      | ND                           | ND                           | ND                           |
| Chlorobenzilate                | ND                           | ND                      | ND                           | ND                           | ND                           |
| 3,3'-Dimethylbenzidine         | ND                           | ND                      | ND                           | ND                           | ND                           |
| Butyl benzyl phthalate         | ND                           | ND                      | ND                           | ND                           | ND                           |
| 2-Acetylaminofluorene          | ND                           | ND                      | ND                           | ND                           | ND                           |
| 3-Methylcholanthrene           | ND                           | ND                      | ND                           | ND                           | ND                           |
| 3,3'-Dichlorobenzidine         | ND                           | ND                      | ND                           | ND                           | ND                           |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                      | ND                           | ND                           | ND                           |
| Benzo(a)anthracene             | ND                           | ND                      | ND                           | ND                           | ND                           |
| Chrysene                       | ND                           | ND                      | ND                           | ND                           | ND                           |
| Di-n-octyl phthalate           | ND                           | ND                      | ND                           | ND                           | ND                           |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                      | ND                           | ND                           | ND                           |
| Benzo(b)fluoranthene           | ND                           | ND                      | ND                           | ND                           | ND                           |
| Benzo(k)fluoranthene           | ND                           | ND                      | ND                           | ND                           | ND                           |
| Benzo(a)pyrene                 | ND                           | ND                      | ND                           | ND                           | ND                           |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                      | ND                           | ND                           | ND                           |
| Dibenz(a,h)anthracene          | ND                           | ND                      | ND                           | ND                           | ND                           |
| Benzo(g,h,i)perylene           | ND                           | ND                      | ND                           | ND                           | ND                           |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

|                      |            |            |
|----------------------|------------|------------|
| <b>Sample I.D.</b>   | 24757      | 24927      |
| <b>File I.D.</b>     | ENG2779.D  | ENG2788.D  |
| <b>Date Sampled</b>  | 12/21/2001 | 12/27/2001 |
| <b>Date Analyzed</b> | 1/17/2002  | 1/17/2002  |

Actual Vol (m<sup>3</sup>)      245.5      Actual Vol (m<sup>3</sup>)      290.9

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | 31.91                  | 0.13                          | ND                     | ND                            |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 83.70                  | 0.34                          | 21.83                  | 0.08                          |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | 156.74                 | 0.64                          | 53.49                  | 0.18                          |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 66.79                  | 0.27                          | 20.62                  | 0.07                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | 2.99                   | 0.01                          | U                      | ND                            |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | 1.27                   | 0.01                          | U                      | 0.58                          |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            |
|                             |                        |                               |                        | 0.002      U                  |

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

|                      |            |            |
|----------------------|------------|------------|
| <b>Sample I.D.</b>   | 24757      | 24927      |
| <b>File I.D.</b>     | ENG2779.D  | ENG2788.D  |
| <b>Date Sampled</b>  | 12/21/2001 | 12/27/2001 |
| <b>Date Analyzed</b> | 1/17/2002  | 1/17/2002  |

Actual Vol (m<sup>3</sup>)      245.5      Actual Vol (m<sup>3</sup>)      290.9

| <u>Compound</u>                | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> |       |
|--------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|-------|
| 2-Naphthylamine                | ND                     | ND                            | ND                     | ND                            |       |
| Dibenzofuran                   | 2.31                   | 0.01                          | U                      | 1.02                          | 0.004 |
| Pentachlorobenzene             | ND                     | ND                            | ND                     | ND                            |       |
| 1-Naphthylamine                | ND                     | ND                            | ND                     | ND                            |       |
| Diethyl phthalate              | ND                     | ND                            | ND                     | ND                            |       |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            | ND                     | ND                            |       |
| 4-Nitroaniline                 | ND                     | ND                            | ND                     | ND                            |       |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            | ND                     | ND                            |       |
| Fluorene                       | 2.54                   | 0.01                          | U                      | 0.93                          | 0.003 |
| 5-Nitro-o-toluidine            | ND                     | ND                            | ND                     | ND                            |       |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            | ND                     | ND                            |       |
| Diphenylamine                  | ND                     | ND                            | ND                     | ND                            |       |
| Azobenzene                     | ND                     | ND                            | ND                     | ND                            |       |
| Phenacetin                     | ND                     | ND                            | ND                     | ND                            |       |
| Diallate                       | ND                     | ND                            | ND                     | ND                            |       |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            | ND                     | ND                            |       |
| 4-Aminobiphenyl                | ND                     | ND                            | ND                     | ND                            |       |
| Hexachlorobenzene              | ND                     | ND                            | ND                     | ND                            |       |
| Pronamide                      | ND                     | ND                            | ND                     | ND                            |       |
| Pentachlorophenol              | ND                     | ND                            | ND                     | ND                            |       |
| Pentachloronitrobenzene        | ND                     | ND                            | ND                     | ND                            |       |
| Phenanthenre                   | 5.08                   | 0.02                          | U                      | 2.33                          | 0.01  |
| Dinoseb                        | ND                     | ND                            | ND                     | ND                            |       |
| Anthracene                     | ND                     | ND                            | ND                     | ND                            |       |
| Carbazole                      | ND                     | ND                            | ND                     | ND                            |       |
| Di-n-butyl phthalate           | ND                     | ND                            | ND                     | ND                            |       |
| Benzidine                      | ND                     | ND                            | ND                     | ND                            |       |
| Isodrin                        | ND                     | ND                            | ND                     | ND                            |       |
| Fluoranthene                   | 1.20                   | 0.005                         | U                      | ND                            | ND    |
| Pyrene                         | 1.46                   | 0.01                          | U                      | ND                            | ND    |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            | ND                     | ND                            |       |
| Chlorobenzilate                | ND                     | ND                            | ND                     | ND                            |       |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            | ND                     | ND                            |       |
| Butyl benzyl phthalate         | ND                     | ND                            | ND                     | ND                            |       |
| 2-Acetylaminofluorene          | ND                     | ND                            | ND                     | ND                            |       |
| 3-Methylcholanthrene           | ND                     | ND                            | ND                     | ND                            |       |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            | ND                     | ND                            |       |
| bis(2-Ethylhexyl)phthalate     | ND                     | ND                            | ND                     | ND                            |       |
| Benzo(a)anthracene             | ND                     | ND                            | ND                     | ND                            |       |
| Chrysene                       | ND                     | ND                            | ND                     | ND                            |       |
| Di-n-octyl phthalate           | ND                     | ND                            | ND                     | ND                            |       |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            | ND                     | ND                            |       |
| Benzo(b)fluoranthene           | ND                     | ND                            | ND                     | ND                            |       |
| Benzo(k)fluoranthene           | ND                     | ND                            | ND                     | ND                            |       |
| Benzo(a)pyrene                 | ND                     | ND                            | ND                     | ND                            |       |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            | ND                     | ND                            |       |
| Dibenz(a,h)anthracene          | ND                     | ND                            | ND                     | ND                            |       |
| Benzo(g,h,i)perylene           | ND                     | ND                            | ND                     | ND                            |       |

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| Sample I.D.                 | 19926                        | 20035                   |                              | 20190                   |                              |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                   | ENG1978.D                    | ENG1991.D               |                              | ENG2011.D               |                              |
| Date Sampled                | 4/19/2001                    | 5/1/2001                |                              | 5/13/2001               |                              |
| Date Analyzed               | 5/24/2001                    | 5/25/2001               |                              | 6/16/2001               |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 212.6                   | Actual Vol (m <sup>3</sup> ) | 157.3                   | Actual Vol (m <sup>3</sup> ) |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |
|                             |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenol                      | 13.65                        | 0.06                    | U                            | 24.34                   | 0.15                         |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Dichlorobenzene         | ND                           | ND                      | 13.25                        | 0.08                    | 56.64                        |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Naphthalene                 | 123.00                       | 0.58                    | 558.37                       | 3.55                    | 463.11                       |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylnaphthalene         | 22.94                        | 0.11                    | 62.63                        | 0.40                    | 75.93                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthylene              | ND                           | ND                      | 1.53                         | 0.01                    | U                            |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthene                | 2.19                         | 0.01                    | U                            | 13.90                   | 0.09                         |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| Sample I.D.                    | 19926                        | 20035                   |                              | 20190                   |                              |
|--------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                      | ENG1978.D                    | ENG1991.D               |                              | ENG2011.D               |                              |
| Date Sampled                   | 4/19/2001                    | 5/1/2001                |                              | 5/13/2001               |                              |
| Date Analyzed                  | 5/24/2001                    | 5/25/2001               |                              | 6/16/2001               |                              |
|                                | Actual Vol (m <sup>3</sup> ) | 212.6                   | Actual Vol (m <sup>3</sup> ) | 157.3                   | Actual Vol (m <sup>3</sup> ) |
| Compound                       | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |
|                                |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |
| 2-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dibenzofuran                   | 2.93                         | 0.01                    | U                            | 17.46                   | 0.11                         |
| Pentachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1-Naphthylamine                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Diethyl phthalate              | ND                           | ND                      | ND                           | ND                      | 12.32                        |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Nitroaniline                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Fluorene                       | 2.56                         | 0.01                    | U                            | 15.00                   | 0.10                         |
| 5-Nitro-o-toluidine            | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Diphenylamine                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| Azobenzene                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenacetin                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Diallate                       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Bromophenyl phenyl ether     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Aminobiphenyl                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorobenzene              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pronamide                      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pentachlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pentachloronitrobenzene        | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenanthrene                   | 4.47                         | 0.02                    | U                            | 27.39                   | 0.17                         |
| Dinoseb                        | ND                           | ND                      | ND                           | ND                      | ND                           |
| Anthracene                     | ND                           | ND                      | ND                           | ND                      | 0.94                         |
| Carbazole                      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Di-n-butyl phthalate           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Benzidine                      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isodrin                        | ND                           | ND                      | ND                           | ND                      | ND                           |
| Fluoranthene                   | ND                           | ND                      | 6.94                         | 0.04                    | 4.86                         |
| Pyrene                         | ND                           | ND                      | 3.98                         | 0.03                    | 3.45                         |
| 4-Dimethylaminoazobenzene      | ND                           | ND                      | ND                           | U                       | 0.004                        |
| Chlorobenzilate                | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3,3'-Dimethylbenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Butyl benzyl phthalate         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Acetylaminofluorene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3-Methylcholanthrene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3,3'-Dichlorobenzidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Ethylhexyl)phthalate     | 1.97                         | 0.01                    | U                            | 18.22                   | 0.12                         |
| Benzo(a)anthracene             | ND                           | ND                      | ND                           | ND                      | ND                           |
| Chrysene                       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Di-n-octyl phthalate           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                      | ND                           | ND                      | ND                           |
| Benzo(b)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Benzo(k)fluoranthene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Benzo(a)pyrene                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dibenz(a,h)anthracene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Benzo(g,h,i)perylene           | ND                           | ND                      | ND                           | ND                      | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

|                      |           |  |           |  |                   |
|----------------------|-----------|--|-----------|--|-------------------|
| <b>Sample I.D.</b>   | 20341     |  | 20571     |  | 21018 Field Blank |
| <b>File I.D.</b>     | ENG2024.D |  | ENG2044.D |  | ENG2128.D         |
| <b>Date Sampled</b>  | 5/25/2001 |  | 6/6/2001  |  | 6/18/2001         |
| <b>Date Analyzed</b> | 6/20/2001 |  | 6/22/2001 |  | 7/13/2001         |

Actual Vol (m<sup>3</sup>)      268.1      Actual Vol (m<sup>3</sup>)      225.6

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> |
|-----------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                            | ND                     | ND                            | ND                     |
| Pyridine                    | ND                     | ND                            | ND                     | ND                            | ND                     |
| Ethyl methanesulfonate      | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Picoline                  | ND                     | ND                            | ND                     | ND                            | ND                     |
| N-Nitrosomethylethylamine   | ND                     | ND                            | ND                     | ND                            | ND                     |
| Methyl methanesulfonate     | ND                     | ND                            | ND                     | ND                            | ND                     |
| N-Nitrosodiethylamine       | ND                     | ND                            | ND                     | ND                            | ND                     |
| Phenol                      | ND                     | ND                            | ND                     | ND                            | ND                     |
| Pentachloroethane           | ND                     | ND                            | ND                     | ND                            | ND                     |
| bis (2-Chloroethyl)ether    | ND                     | ND                            | ND                     | ND                            | ND                     |
| Aniline                     | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Chlorophenol              | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1,3-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1,4-Dichlorobenzene         | 11.72                  | 0.04                          | 25.62                  | 0.11                          | ND                     |
| Benzyl alcohol              | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Methylphenol              | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1,2-Dichlorobenzene         | ND                     | ND                            | ND                     | ND                            | ND                     |
| bis(2-Chloroisopropyl)ether | ND                     | ND                            | ND                     | ND                            | ND                     |
| 3&4-Methylphenol            | ND                     | ND                            | ND                     | ND                            | ND                     |
| N-Nitrosopyrrolidine        | ND                     | ND                            | ND                     | ND                            | ND                     |
| N-Nitrosodipropylamine      | ND                     | ND                            | ND                     | ND                            | ND                     |
| o-Toluidine                 | ND                     | ND                            | ND                     | ND                            | ND                     |
| Hexachloroethane            | ND                     | ND                            | ND                     | ND                            | ND                     |
| Acetophenone                | ND                     | ND                            | ND                     | ND                            | ND                     |
| Nitrobenzene                | ND                     | ND                            | ND                     | ND                            | ND                     |
| N-Nitrosopiperidine         | ND                     | ND                            | ND                     | ND                            | ND                     |
| Isophorone                  | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2,4-Dimethylphenol          | ND                     | ND                            | ND                     | ND                            | ND                     |
| bis(2-Chloroethoxy)methane  | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2,4-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     |
| 4-Chloroaniline             | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1,2,4-Trichlorobenzene      | ND                     | ND                            | ND                     | ND                            | ND                     |
| Naphthalene                 | 109.55                 | 0.41                          | 96.73                  | 0.43                          | ND                     |
| 2,6-Dichlorophenol          | ND                     | ND                            | ND                     | ND                            | ND                     |
| Hexachloropropene           | ND                     | ND                            | ND                     | ND                            | ND                     |
| Hexachlorobutadiene         | ND                     | ND                            | ND                     | ND                            | ND                     |
| N-Nitrosodibutylamine       | ND                     | ND                            | ND                     | ND                            | ND                     |
| 4-Chloro-3-methylphenol     | ND                     | ND                            | ND                     | ND                            | ND                     |
| Safrole                     | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Methylnaphthalene         | 20.04                  | 0.07                          | 55.27                  | 0.24                          | ND                     |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2,4,6-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     |
| Hexachlorocyclopentadiene   | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2,4,5-Trichlorophenol       | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     |
| Isosafrole                  | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Chloronaphthalene         | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1,4-Naphthoquinone          | ND                     | ND                            | ND                     | ND                            | ND                     |
| Dimethyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1,3-Dinitrobenzene          | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2,6-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     |
| 3-Nitroaniline              | ND                     | ND                            | ND                     | ND                            | ND                     |
| Acenaphthylene              | ND                     | ND                            | 1.99                   | 0.01                          | U                      |
| 2,4-Dinitrophenol           | ND                     | ND                            | ND                     | ND                            | ND                     |
| 4-Nitrophenol               | ND                     | ND                            | ND                     | ND                            | ND                     |
| Acenaphthene                | 3.20                   | 0.01                          | U                      | 1.27                          | 0.01                   |
| 2,4-Dinitrotoluene          | ND                     | ND                            | ND                     | ND                            | ND                     |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

|                      |           |              |                          |
|----------------------|-----------|--------------|--------------------------|
| <b>Sample I.D.</b>   | 20341     | <b>20571</b> | <b>21018 Field Blank</b> |
| <b>File I.D.</b>     | ENG2024.D | ENG2044.D    | ENG2128.D                |
| <b>Date Sampled</b>  | 5/25/2001 | 6/6/2001     | 6/18/2001                |
| <b>Date Analyzed</b> | 6/20/2001 | 6/22/2001    | 7/13/2001                |

Actual Vol (m<sup>3</sup>)      268.1      Actual Vol (m<sup>3</sup>)      225.6

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> |
|-------------------------------|------------------------|-------------------------------|------------------------|-------------------------------|------------------------|
| 2-Naphthylamine               | ND                     | ND                            | ND                     | ND                            | ND                     |
| Dibenzofuran                  | 3.07                   | 0.01                          | U                      | 1.79                          | 0.01                   |
| Pentachlorobenzene            | ND                     | ND                            | ND                     | ND                            | ND                     |
| 1-Naphthylamine               | ND                     | ND                            | ND                     | ND                            | ND                     |
| Diethyl phthalate             | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                            | ND                     | ND                            | ND                     |
| 4-Nitroaniline                | ND                     | ND                            | ND                     | ND                            | ND                     |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                            | ND                     | ND                            | ND                     |
| Fluorene                      | 3.07                   | 0.01                          | U                      | 2.14                          | 0.01                   |
| 5-Nitro-o-toluidine           | ND                     | ND                            | ND                     | ND                            | ND                     |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                            | ND                     | ND                            | ND                     |
| Diphenylamine                 | ND                     | ND                            | ND                     | ND                            | ND                     |
| Azobenzene                    | ND                     | ND                            | ND                     | ND                            | ND                     |
| Phenacetin                    | ND                     | ND                            | ND                     | ND                            | ND                     |
| Diallate                      | ND                     | ND                            | ND                     | ND                            | ND                     |
| 4-Bromophenyl phenyl ether    | ND                     | ND                            | ND                     | ND                            | ND                     |
| 4-Aminobiphenyl               | ND                     | ND                            | ND                     | ND                            | ND                     |
| Hexachlorobenzene             | ND                     | ND                            | ND                     | ND                            | ND                     |
| Pronamide                     | ND                     | ND                            | ND                     | ND                            | ND                     |
| Pentachlorophenol             | ND                     | ND                            | ND                     | ND                            | ND                     |
| Pentachloronitrobenzene       | ND                     | ND                            | ND                     | ND                            | ND                     |
| Phenanthrene                  | 5.74                   | 0.02                          | U                      | 6.00                          | 0.03                   |
| Dinoseb                       | ND                     | ND                            | ND                     | ND                            | ND                     |
| Anthracene                    | ND                     | ND                            | ND                     | ND                            | ND                     |
| Carbazole                     | ND                     | ND                            | ND                     | ND                            | ND                     |
| Di-n-butyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     |
| Benzidine                     | ND                     | ND                            | ND                     | ND                            | ND                     |
| Isodrin                       | ND                     | ND                            | ND                     | ND                            | ND                     |
| Fluoranthene                  | ND                     | ND                            | ND                     | ND                            | ND                     |
| Pyrene                        | ND                     | ND                            | ND                     | ND                            | ND                     |
| 4-Dimethylaminoazobenzene     | ND                     | ND                            | ND                     | ND                            | ND                     |
| Chlorobenzilate               | ND                     | ND                            | ND                     | ND                            | ND                     |
| 3,3'-Dimethylbenzidine        | ND                     | ND                            | ND                     | ND                            | ND                     |
| Butyl benzyl phthalate        | ND                     | ND                            | ND                     | ND                            | ND                     |
| 2-Acetylaminofluorene         | ND                     | ND                            | ND                     | ND                            | ND                     |
| 3-Methylcholanthrene          | ND                     | ND                            | ND                     | ND                            | ND                     |
| 3,3'-Dichlorobenzidine        | ND                     | ND                            | ND                     | ND                            | ND                     |
| bis(2-Ethylhexyl)phthalate    | ND                     | ND                            | ND                     | ND                            | ND                     |
| Benzo(a)anthracene            | ND                     | ND                            | ND                     | ND                            | ND                     |
| Chrysene                      | ND                     | ND                            | ND                     | ND                            | ND                     |
| Di-n-octyl phthalate          | ND                     | ND                            | ND                     | ND                            | ND                     |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                            | ND                     | ND                            | ND                     |
| Benzo(b)fluoranthene          | ND                     | ND                            | ND                     | ND                            | ND                     |
| Benzo(k)fluoranthene          | ND                     | ND                            | ND                     | ND                            | ND                     |
| Benzo(a)pyrene                | ND                     | ND                            | ND                     | ND                            | ND                     |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                            | ND                     | ND                            | ND                     |
| Dibenz(a,h)anthracene         | ND                     | ND                            | ND                     | ND                            | ND                     |
| Benzo(g,h,i)perylene          | ND                     | ND                            | ND                     | ND                            | ND                     |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| Sample I.D.                 | 21019                        | 21322                         |                              | 21516                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| File I.D.                   | ENG2129.D/2248.D             | ENG2235.D                     | <th>ENG2266.D</th> <td></td> | ENG2266.D                     |                              |
| Date Sampled                | 6/18/2001                    | 6/30/2001                     |                              | 7/12/2001                     |                              |
| Date Analyzed               | 7/13/2001                    | 8/3/2001                      |                              | 8/9/2001                      |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 218.7                         | Actual Vol (m <sup>3</sup> ) | 227.8                         | Actual Vol (m <sup>3</sup> ) |
| <u>Compound</u>             | <u>Final Conc (ug)</u>       | <u>Final ug/m<sup>3</sup></u> | <u>Final Conc (ug)</u>       | <u>Final ug/m<sup>3</sup></u> | <u>Final Conc (ug)</u>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | 103.89                       | 0.47                          | ND                           | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 12.39                        | 0.06                          | 11.41                        | 0.05                          | 29.75                        |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | 12.08                        | 0.06                          | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | 37.15                        | 0.17                          | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 2975.04                      | 13.60                         | D                            | 99.92                         | 0.44                         |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 230.67                       | 1.05                          | 58.19                        | 0.26                          | 40.59                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | 8.82                         | 0.04                          | U                            | ND                            | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 61.28                        | 0.28                          |                              | 11.68                         | 0.05                         |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| Sample I.D.                    | 21019                        | 21322                         |                              | 21516                         |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| File I.D.                      | ENG2129.D/2248.D             | ENG2235.D                     | <th>ENG2266.D</th> <td></td> | ENG2266.D                     |                               |
| Date Sampled                   | 6/18/2001                    | 6/30/2001                     |                              | 7/12/2001                     |                               |
| Date Analyzed                  | 7/13/2001                    | 8/3/2001                      |                              | 8/9/2001                      |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 218.7                         | Actual Vol (m <sup>3</sup> ) | 227.8                         | Actual Vol (m <sup>3</sup> )  |
| <u>Compound</u>                | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>        |
|                                |                              |                               |                              |                               | <u>Final µg/m<sup>3</sup></u> |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenzofuran                   | 65.54                        | 0.30                          | 12.93                        | 0.06                          | 3.45                          |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluorene                       | 59.27                        | 0.27                          | 10.18                        | 0.04                          | 2.46                          |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                            |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenanthrene                   | 72.93                        | 0.33                          | 21.28                        | 0.09                          | 7.66                          |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Anthracene                     | 3.12                         | 0.01                          | U                            | ND                            | ND                            |
| Carbazole                      | ND                           | ND                            |                              | ND                            | ND                            |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluoranthene                   | 16.95                        | 0.08                          | ND                           | ND                            | ND                            |
| Pyrene                         | 10.93                        | 0.05                          | ND                           | ND                            | ND                            |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)anthracene             | 2.29                         | 0.01                          | U                            | ND                            | ND                            |
| Chrysene                       | 2.54                         | 0.01                          |                              | ND                            | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 21756                        | 21987                         | 22218                        |                               |                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2308.D                    | ENG2329.D                     | ENG2367.D                    |                               |                        |                               |
| <b>Date Sampled</b>         | 7/24/2001                    | 8/5/2001                      | 8/17/2001                    |                               |                        |                               |
| <b>Date Analyzed</b>        | 8/21/2001                    | 8/22/2001                     | 9/21/2001                    |                               |                        |                               |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  | Actual Vol (m <sup>3</sup> ) |                               |                        |                               |
|                             | 223.9                        | 219.6                         | 206.4                        |                               |                        |                               |
| <b>Compound</b>             | <b>Final Conc (μg)</b>       | <b>Final μg/m<sup>3</sup></b> | <b>Final Conc (μg)</b>       | <b>Final μg/m<sup>3</sup></b> | <b>Final Conc (μg)</b> | <b>Final μg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Phenol                      | ND                           | ND                            | 21.32                        | 0.10                          | U                      | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | 12.39                        | 0.06                          | 57.65                        | 0.26                          | 9.56                   | 0.05                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Naphthalene                 | 77.13                        | 0.34                          | 584.76                       | 2.66                          | 60.38                  | 0.29                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | 42.60                        | 0.19                          | 163.50                       | 0.74                          | 45.76                  | 0.22                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                           | ND                            | 2.12                         | 0.01                          | U                      | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |
| Acenaphthene                | 6.07                         | 0.03                          | 33.49                        | 0.15                          | 8.81                   | 0.04                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 21756                        | 21987                         |                              |                               | 22218                        |                               |       |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------|
| <b>File I.D.</b>              | ENG2308.D                    | ENG2329.D                     |                              |                               | ENG2367.D                    |                               |       |
| <b>Date Sampled</b>           | 7/24/2001                    | 8/5/2001                      |                              |                               | 8/17/2001                    |                               |       |
| <b>Date Analyzed</b>          | 8/21/2001                    | 8/22/2001                     |                              |                               | 9/21/2001                    |                               |       |
|                               | Actual Vol (m <sup>3</sup> ) | 223.9                         | Actual Vol (m <sup>3</sup> ) | 219.6                         | Actual Vol (m <sup>3</sup> ) | 206.4                         |       |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |       |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenzofuran                  | 7.68                         | 0.03                          | U                            | 22.79                         | 0.10                         | 5.14                          | 0.02  |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluorene                      | 6.57                         | 0.03                          | U                            | 22.95                         | 0.10                         | 4.16                          | 0.02  |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Phenanthrene                  | 15.11                        | 0.07                          |                              | 37.90                         | 0.17                         | 6.45                          | 0.03  |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-butyl phthalate          | ND                           | ND                            | 1.71                         | 0.01                          | U                            | ND                            | ND    |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Fluoranthene                  | 3.06                         | 0.01                          | U                            | 5.20                          | 0.02                         | U                             | 1.23  |
| Pyrene                        | 1.58                         | 0.01                          | U                            | ND                            | ND                           | 0.73                          | 0.004 |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| bis(2-Ethylhexyl)phthalate    | 8.21                         | 0.04                          | U                            | 1.68                          | 0.01                         | U                             | 0.82  |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 22617                        |                               | 22872                        |                               | 23033 - Field Blank          |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2394.D                    |                               | ENG2424.D                    |                               | ENG2444.D                    |
| <b>Date Sampled</b>         | 8/29/2001                    |                               | 9/10/2001                    |                               | 9/22/2001                    |
| <b>Date Analyzed</b>        | 9/23/2001                    |                               | 10/2/2001                    |                               | 10/18/2001                   |
|                             | Actual Vol (m <sup>3</sup> ) | 211.5                         | Actual Vol (m <sup>3</sup> ) | 217.3                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | 7.78                         | 0.04                          | U                            | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 52.87                        | 0.25                          | 13.61                        | 0.06                          | ND                           |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 121.22                       | 0.57                          | 83.10                        | 0.38                          | ND                           |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 55.13                        | 0.26                          | 37.78                        | 0.17                          | ND                           |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | 1.04                         | 0.005                         | U                            | ND                            | ND                           |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 9.47                         | 0.04                          | 4.04                         | 0.02                          | U                            |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

|                      |                              |       |                              |       |                              |
|----------------------|------------------------------|-------|------------------------------|-------|------------------------------|
| <b>Sample I.D.</b>   | 22617                        |       | 22872                        |       | 23033 - Field Blank          |
| <b>File I.D.</b>     | ENG2394.D                    |       | ENG2424.D                    |       | ENG2444.D                    |
| <b>Date Sampled</b>  | 8/29/2001                    |       | 9/10/2001                    |       | 9/22/2001                    |
| <b>Date Analyzed</b> | 9/23/2001                    |       | 10/2/2001                    |       | 10/18/2001                   |
|                      | Actual Vol (m <sup>3</sup> ) | 211.5 | Actual Vol (m <sup>3</sup> ) | 217.3 | Actual Vol (m <sup>3</sup> ) |

| <b>Compound</b>                | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b> |
|--------------------------------|------------------------|-------------------------------|---|------------------------|-------------------------------|---|------------------------|
| 2-Naphthylamine                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Dibenzofuran                   | 7.05                   | 0.03                          | U | 3.32                   | 0.02                          | U | ND                     |
| Pentachlorobenzene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| 1-Naphthylamine                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Diethyl phthalate              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| 4-Nitroaniline                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Fluorene                       | 7.99                   | 0.04                          | U | 3.17                   | 0.01                          | U | ND                     |
| 5-Nitro-o-toluidine            | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Diphenylamine                  | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Azobenzene                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Phenacetin                     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Diallate                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| 4-Aminobiphenyl                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Hexachlorobenzene              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Pronamide                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Pentachlorophenol              | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Pentachloronitrobenzene        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Phenanthrene                   | 21.70                  | 0.10                          |   | 5.77                   | 0.03                          | U | ND                     |
| Dinoseb                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Anthracene                     | 1.79                   | 0.01                          | U | ND                     | ND                            |   | ND                     |
| Carbazole                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Di-n-butyl phthalate           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Benzidine                      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Isodrin                        | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Fluoranthene                   | 5.39                   | 0.03                          | U | 1.02                   | 0.005                         | U | ND                     |
| Pyrene                         | 3.35                   | 0.02                          | U | ND                     | ND                            |   | ND                     |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Chlorobenzilate                | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Butyl benzyl phthalate         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| 2-Acetylaminofluorene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| 3-Methylcholanthrene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| bis(2-Ethylhexyl)phthalate     | 1.12                   | 0.01                          | U | ND                     | ND                            |   | ND                     |
| Benzo(a)anthracene             | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Chrysene                       | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Di-n-octyl phthalate           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Benzo(b)fluoranthene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Benzo(k)fluoranthene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Benzo(a)pyrene                 | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Dibenz(a,h)anthracene          | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |
| Benzo(g,h,i)perylene           | ND                     | ND                            |   | ND                     | ND                            |   | ND                     |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| Sample I.D.                 | 23034                        |                         | 23224                        |                         | 23449                        |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2445.D                    |                         | ENG2526.D                    |                         | ENG2559.D                    |                         |
| Date Sampled                | 9/22/2001                    |                         | 10/4/2001                    |                         | 10/16/2001                   |                         |
| Date Analyzed               | 10/18/2001                   |                         | 11/27/2001                   |                         | 11/29/2001                   |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 248.6                   | Actual Vol (m <sup>3</sup> ) | 251.0                   | Actual Vol (m <sup>3</sup> ) | 224.9                   |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylmethyamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 28.07                        | 0.11                    | 19.96                        | 0.08                    | 14.09                        | 0.06                    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 449.90                       | 1.81                    | 79.89                        | 0.32                    | 57.50                        | 0.26                    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 94.29                        | 0.38                    | 44.22                        | 0.18                    | 27.36                        | 0.12                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | 1.20                         | 0.005                   | U                            | ND                      | ND                           | ND                      |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 28.48                        | 0.11                    | 2.61                         | 0.01                    | U                            | 0.77                    |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 23034                        | 23224                         |                              | 23449                         |                              |                               |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>              | ENG2445.D                    | ENG2526.D                     |                              | ENG2559.D                     |                              |                               |
| <b>Date Sampled</b>           | 9/22/2001                    | 10/4/2001                     |                              | 10/16/2001                    |                              |                               |
| <b>Date Analyzed</b>          | 10/18/2001                   | 11/27/2001                    |                              | 11/29/2001                    |                              |                               |
|                               | Actual Vol (m <sup>3</sup> ) | 248.6                         | Actual Vol (m <sup>3</sup> ) | 251.0                         | Actual Vol (m <sup>3</sup> ) | 224.9                         |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                  | 14.29                        | 0.06                          | 2.81                         | 0.01                          | U                            | 1.01                          |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluorene                      | 14.17                        | 0.06                          | 2.46                         | 0.01                          | U                            | 0.99                          |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                  | 16.52                        | 0.07                          | 6.07                         | 0.02                          | U                            | 2.59                          |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Anthracene                    | 1.56                         | 0.01                          | U                            | ND                            | ND                           | ND                            |
| Carbazole                     | ND                           | ND                            |                              | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                  | 2.10                         | 0.01                          | U                            | ND                            | ND                           | ND                            |
| Pyrene                        | 1.29                         | 0.01                          |                              | ND                            | ND                           | ND                            |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 23666                        |                               | 23935                        |                               | 24169                        |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2599.D                    |                               | ENG2640.D                    |                               | VOID                         |
| <b>Date Sampled</b>         | 10/28/2001                   |                               | 11/9/2001                    |                               | 11/21/2001                   |
| <b>Date Analyzed</b>        | 12/11/2001                   |                               | 12/12/2001                   |                               |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 214.5                         | Actual Vol (m <sup>3</sup> ) | 233.4                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            |                              |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            |                              |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            |                              |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            |                              |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            |                              |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            |                              |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            |                              |
| Phenol                      | 24.29                        | 0.11                          | ND                           | ND                            |                              |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            |                              |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            |                              |
| Aniline                     | ND                           | ND                            | ND                           | ND                            |                              |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            |                              |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            |                              |
| 1,4-Dichlorobenzene         | 22.86                        | 0.11                          | 30.00                        | 0.13                          |                              |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            |                              |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            |                              |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            |                              |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            |                              |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            |                              |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            |                              |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            |                              |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            |                              |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            |                              |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            |                              |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            |                              |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            |                              |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            |                              |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            |                              |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            |                              |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            |                              |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |                              |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            |                              |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            |                              |
| Naphthalene                 | 225.06                       | 1.05                          | 75.61                        | 0.32                          |                              |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |                              |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            |                              |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            |                              |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            |                              |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            |                              |
| Safrole                     | ND                           | ND                            | ND                           | ND                            |                              |
| 2-Methylnaphthalene         | 25.97                        | 0.12                          | 31.31                        | 0.13                          |                              |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            |                              |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            |                              |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            |                              |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            |                              |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            |                              |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            |                              |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            |                              |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            |                              |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            |                              |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            |                              |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            |                              |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            |                              |
| Acenaphthylene              | ND                           | ND                            | 0.79                         | 0.003                         | U                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            |                              |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            |                              |
| Acenaphthene                | 2.43                         | 0.01                          | U                            | 1.23                          | 0.01                         |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            |                              |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 23666                        | <b>Sample I.D.</b>            | 23935                        | <b>Sample I.D.</b>            | 24169                        |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>              | ENG2599.D                    | <b>File I.D.</b>              | ENG2640.D                    | <b>File I.D.</b>              | VOID                         |
| <b>Date Sampled</b>           | 10/28/2001                   | <b>Date Sampled</b>           | 11/9/2001                    | <b>Date Sampled</b>           | 11/21/2001                   |
| <b>Date Analyzed</b>          | 12/11/2001                   | <b>Date Analyzed</b>          | 12/12/2001                   | <b>Date Analyzed</b>          |                              |
|                               | Actual Vol (m <sup>3</sup> ) | 214.5                         | Actual Vol (m <sup>3</sup> ) | 233.4                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dibenzofuran                  | 1.91                         | 0.01                          | U                            | 1.59                          | 0.01                         |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | U                            |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Fluorene                      | 1.99                         | 0.01                          | U                            | 1.68                          | 0.01                         |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | U                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenanthrene                  | 3.08                         | 0.01                          | U                            | 3.70                          | 0.02                         |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Anthracene                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Di-n-butyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Fluoranthene                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyrene                        | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| Sample I.D.                 | 24375                        |                         | 24630                        |                         | 24962                        |                         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG2726.D                    |                         | ENG2766.D                    |                         | ENG2803.D                    |                         |
| Date Sampled                | 12/3/2001                    |                         | 12/15/2001                   |                         | 12/27/2001                   |                         |
| Date Analyzed               | 1/14/2002                    |                         | 1/16/2002                    |                         | 1/17/2002                    |                         |
|                             | Actual Vol (m <sup>3</sup> ) | 206.5                   | Actual Vol (m <sup>3</sup> ) | 232.6                   | Actual Vol (m <sup>3</sup> ) | 247.1                   |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | 42.19                        | 0.18                    | 37.10                        | 0.15                    | ND                           | ND                      |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | 18.74                        | 0.08                    | 43.42                        | 0.18                    | 16.08                        | 0.07                    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | 2.74                         | 0.01                    | U                            | ND                      | ND                           | ND                      |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | 6.90                         | 0.03                    | U                            | ND                      | ND                           | ND                      |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 294.51                       | 1.23                    | 170.49                       | 0.70                    | 31.78                        | 0.13                    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | 45.91                        | 0.19                    | 49.51                        | 0.20                    | 19.46                        | 0.08                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | 2.84                         | 0.01                    | U                            | 1.82                    | 0.01                         | U                       |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | 4.05                         | 0.02                    | U                            | 1.40                    | 0.01                         | U                       |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | 0.24                         | 0.001                   |
|                             |                              |                         |                              |                         | ND                           | U                       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

| <u>Sample I.D.</u>             | 24375                        | 24630                         |                              |                               | 24962                        |                               |      |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <u>File I.D.</u>               | ENG2726.D                    | ENG2766.D                     |                              |                               | ENG2803.D                    |                               |      |
| <u>Date Sampled</u>            | 12/3/2001                    | 12/15/2001                    |                              |                               | 12/27/2001                   |                               |      |
| <u>Date Analyzed</u>           | 1/14/2002                    | 1/16/2002                     |                              |                               | 1/17/2002                    |                               |      |
|                                | Actual Vol (m <sup>3</sup> ) | 206.5                         | Actual Vol (m <sup>3</sup> ) | 232.6                         | Actual Vol (m <sup>3</sup> ) | 247.1                         |      |
| <u>Compound</u>                | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |      |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                   | 4.72                         | 0.02                          | U                            | 1.75                          | 0.01                         | U                             | 1.01 |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                       | 4.52                         | 0.02                          | U                            | 1.54                          | 0.01                         | U                             | 1.05 |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                   | 8.63                         | 0.04                          | U                            | 3.61                          | 0.01                         | U                             | 2.11 |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                     | 0.96                         | 0.004                         | U                            | ND                            | ND                           | ND                            |      |
| Carbazole                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Di-n-butyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                   | 2.63                         | 0.01                          | U                            | 0.65                          | 0.003                        | U                             | ND   |
| Pyrene                         | 1.79                         | 0.01                          | U                            | 0.85                          | 0.004                        | U                             | ND   |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene             | 1.01                         | 0.004                         | U                            | ND                            | ND                           | ND                            |      |
| Chrysene                       | 0.46                         | 0.002                         | U                            | ND                            | ND                           | ND                            |      |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(k)fluoranthene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>   | 19923 Field Blank | <b>19924</b>     |  | <b>20029</b>     |  |
|----------------------|-------------------|------------------|--|------------------|--|
| <b>File I.D.</b>     | ENG1976.D         | ENG1985.D/2062.D |  | ENG1984.D/2061.D |  |
| <b>Date Sampled</b>  | 4/19/2001         | 4/19/2001        |  | 4/25/2001        |  |
| <b>Date Analyzed</b> | 5/24/2001         | 5/25/2001        |  | 5/25/2001        |  |

Actual Vol (m<sup>3</sup>)      232.0      Actual Vol (m<sup>3</sup>)      210.6

| <b>Compound</b>             | <b>Final Conc (µg)</b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-----------------------------|------------------------|------------------------|-------------------------------|------------------------|-------------------------------|
| N-Nitrosodimethylamine      | ND                     | ND                     | ND                            | ND                     | ND                            |
| Pyridine                    | ND                     | 24.89                  | 0.11                          | U                      | ND                            |
| Ethyl methanesulfonate      | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Picoline                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosomethylethylamine   | ND                     | ND                     | ND                            | ND                     | ND                            |
| Methyl methanesulfonate     | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodiethylamine       | ND                     | ND                     | ND                            | ND                     | ND                            |
| Phenol                      | ND                     | 459.04                 | 1.98                          | 385.51                 | 1.83                          |
| Pentachloroethane           | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis (2-Chloroethyl)ether    | ND                     | ND                     | ND                            | ND                     | ND                            |
| Aniline                     | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Chlorophenol              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dichlorobenzene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,4-Dichlorobenzene         | ND                     | ND                     | ND                            | 21.44                  | 0.10                          |
| Benzyl alcohol              | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Methylphenol              | ND                     | 46.01                  | 0.20                          | 37.59                  | 0.18                          |
| 1,2-Dichlorobenzene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroisopropyl)ether | ND                     | ND                     | ND                            | ND                     | ND                            |
| 3&4-Methylphenol            | ND                     | 177.23                 | 0.76                          | 112.00                 | 0.53                          |
| N-Nitrosopyrrolidine        | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodipropylamine      | ND                     | ND                     | ND                            | ND                     | ND                            |
| o-Toluidine                 | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachloroethane            | ND                     | ND                     | ND                            | ND                     | ND                            |
| Acetophenone                | ND                     | ND                     | ND                            | ND                     | ND                            |
| Nitrobenzene                | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosopiperidine         | ND                     | ND                     | ND                            | ND                     | ND                            |
| Isophorone                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Nitrophenol               | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dimethylphenol          | ND                     | ND                     | ND                            | ND                     | ND                            |
| bis(2-Chloroethoxy)methane  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4-Dichlorophenol          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Chloroaniline             | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,2,4-Trichlorobenzene      | ND                     | ND                     | ND                            | ND                     | ND                            |
| Naphthalene                 | 18.15                  | 12052.74               | 51.95                         | D                      | 8449.48                       |
| 2,6-Dichlorophenol          | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachloropropene           | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachlorobutadiene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| N-Nitrosodibutylamine       | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Chloro-3-methylphenol     | ND                     | ND                     | ND                            | ND                     | ND                            |
| Safrole                     | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Methylnaphthalene         | ND                     | 609.37                 | 2.63                          | D                      | 783.03                        |
| 1,2,4,5-Tetrachlorobenzene  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4,6-Trichlorophenol       | ND                     | ND                     | ND                            | ND                     | ND                            |
| Hexachlorocyclopentadiene   | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,4,5-Trichlorophenol       | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Nitroaniline              | ND                     | ND                     | ND                            | ND                     | ND                            |
| Isosafrole                  | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2-Chloronaphthalene         | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,4-Naphthoquinone          | ND                     | ND                     | ND                            | ND                     | ND                            |
| Dimethyl phthalate          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 1,3-Dintrobenzene           | ND                     | ND                     | ND                            | ND                     | ND                            |
| 2,6-Dinitrotoluene          | ND                     | ND                     | ND                            | ND                     | ND                            |
| 3-Nitroaniline              | ND                     | ND                     | ND                            | ND                     | ND                            |
| Acenaphthylene              | ND                     | 11.17                  | 0.05                          | 16.64                  | 0.08                          |
| 2,4-Dinitrophenol           | ND                     | ND                     | ND                            | ND                     | ND                            |
| 4-Nitrophenol               | ND                     | ND                     | ND                            | ND                     | ND                            |
| Acenaphthene                | ND                     | 240.26                 | 1.04                          | 227.08                 | 1.08                          |
| 2,4-Dinitrotoluene          | ND                     | ND                     | ND                            | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 19923 Field Blank      | <b>19924</b>                 |                               | <b>20029</b>                 |                               |
|-------------------------------|------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>              | ENG1976.D              | ENG1985.D/2062.D             |                               | ENG1984.D/2061.D             |                               |
| <b>Date Sampled</b>           | 4/19/2001              | 4/19/2001                    |                               | 4/25/2001                    |                               |
| <b>Date Analyzed</b>          | 5/24/2001              | 5/25/2001                    |                               | 5/25/2001                    |                               |
|                               |                        | Actual Vol (m <sup>3</sup> ) | 232.0                         | Actual Vol (m <sup>3</sup> ) | 210.6                         |
| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine               | ND                     | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                  | ND                     | 191.34                       | 0.82                          | 189.40                       | 0.90                          |
| Pentachlorobenzene            | ND                     | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine               | ND                     | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate             | ND                     | ND                           | ND                            | 6.87                         | 0.03                          |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                | ND                     | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                           | ND                            | ND                           | ND                            |
| Fluorene                      | ND                     | 160.58                       | 0.69                          | 169.51                       | 0.80                          |
| 5-Nitro-o-toluidine           | ND                     | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                 | ND                     | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                    | ND                     | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                    | ND                     | ND                           | ND                            | ND                           | ND                            |
| Diallate                      | ND                     | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether    | ND                     | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl               | ND                     | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene             | ND                     | ND                           | ND                            | ND                           | ND                            |
| Pronamide                     | ND                     | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol             | ND                     | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene       | ND                     | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                  | ND                     | 204.13                       | 0.88                          | 222.05                       | 1.05                          |
| Dinoseb                       | ND                     | ND                           | ND                            | ND                           | ND                            |
| Anthracene                    | ND                     | 17.17                        | 0.07                          | 23.87                        | 0.11                          |
| Carbazole                     | ND                     | ND                           | ND                            | 6.85                         | 0.03                          |
| Di-n-butyl phthalate          | ND                     | 14.16                        | 0.06                          | 16.91                        | 0.08                          |
| Benzidine                     | ND                     | ND                           | ND                            | ND                           | ND                            |
| Isodrin                       | ND                     | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                  | ND                     | 39.08                        | 0.17                          | 49.71                        | 0.24                          |
| Pyrene                        | ND                     | 25.53                        | 0.11                          | 36.34                        | 0.17                          |
| 4-Dimethylaminoazobenzene     | ND                     | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate               | ND                     | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine        | ND                     | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate        | ND                     | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene         | ND                     | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene          | ND                     | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine        | ND                     | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                     | 4.43                         | 0.02                          | U                            | 5.64                          |
| Benzo(a)anthracene            | ND                     | 4.05                         | 0.02                          | U                            | 8.42                          |
| Chrysene                      | ND                     | 5.32                         | 0.02                          | U                            | 10.87                         |
| Di-n-octyl phthalate          | ND                     | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene          | ND                     | 2.85                         | 0.01                          | U                            | 4.88                          |
| Benzo(k)fluoranthene          | ND                     | 2.13                         | 0.01                          | U                            | 3.33                          |
| Benzo(a)pyrene                | ND                     | ND                           | ND                            | 1.63                         | 0.01                          |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene         | ND                     | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene          | ND                     | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                 | 20037            | 20181            |                 |             | 20189            |             |         |
|-----------------------------|------------------|------------------|-----------------|-------------|------------------|-------------|---------|
| File I.D.                   | ENG1993.D/2063.D | ENG2000.D/2064.D |                 |             | ENG2010.D/2065.D |             |         |
| Date Sampled                | 5/1/2001         | 5/7/2001         |                 |             | 5/13/2001        |             |         |
| Date Analyzed               | 5/25/2001        | 6/15/2001        |                 |             | 6/16/2001        |             |         |
|                             | Actual Vol (m³)  | 195.6            | Actual Vol (m³) | 185.9       | Actual Vol (m³)  | 204.3       |         |
| Compound                    | Final Conc (µg)  | Final µg/m³      | Final Conc (µg) | Final µg/m³ | Final Conc (µg)  | Final µg/m³ |         |
| N-Nitrosodimethylamine      | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Pyridine                    | 27.57            | 0.14             | U               | 28.11       | 0.15             | U           | 75.52   |
| Ethyl methanesulfonate      | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 2-Picoline                  | ND               | ND               | ND              | ND          | ND               | ND          |         |
| N-Nitrosomethylethylamine   | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Methyl methanesulfonate     | ND               | ND               | ND              | ND          | ND               | ND          |         |
| N-Nitrosodiethylamine       | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Phenol                      | 376.05           | 1.92             | 737.34          | 3.97        | 622.38           | 3.05        |         |
| Pentachloroethane           | ND               | ND               | ND              | ND          | ND               | ND          |         |
| bis (2-Chloroethyl)ether    | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Aniline                     | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 2-Chlorophenol              | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 1,3-Dichlorobenzene         | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 1,4-Dichlorobenzene         | 22.25            | 0.11             | 13.75           | 0.07        | 44.02            | 0.22        |         |
| Benzyl alcohol              | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 2-Methylphenol              | 57.65            | 0.29             | 92.60           | 0.50        | 96.92            | 0.47        |         |
| 1,2-Dichlorobenzene         | ND               | ND               | ND              | ND          | ND               | ND          |         |
| bis(2-Chloroisopropyl)ether | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 3&4-Methylphenol            | 161.32           | 0.82             | 273.31          | 1.47        | 221.56           | 1.08        |         |
| N-Nitrosopyrrolidine        | ND               | ND               | ND              | ND          | ND               | ND          |         |
| N-Nitrosodipropylamine      | ND               | ND               | ND              | ND          | ND               | ND          |         |
| o-Toluidine                 | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Hexachloroethane            | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Acetophenone                | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Nitrobenzene                | ND               | ND               | ND              | ND          | ND               | ND          |         |
| N-Nitrosopiperidine         | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Isophorone                  | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 2-Nitrophenol               | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 2,4-Dimethylphenol          | ND               | ND               | ND              | ND          | ND               | ND          |         |
| bis(2-Chloroethoxy)methane  | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 2,4-Dichlorophenol          | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 4-Chloroaniline             | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 1,2,4-Trichlorobenzene      | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Naphthalene                 | 12430.29         | 63.54            | D               | 11610.97    | 62.46            | D           | 8984.98 |
| 2,6-Dichlorophenol          | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Hexachloropropene           | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Hexachlorobutadiene         | ND               | ND               | ND              | ND          | ND               | ND          |         |
| N-Nitrosodibutylamine       | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 4-Chloro-3-methylphenol     | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Safrole                     | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 2-Methylnaphthalene         | 939.72           | 4.80             | D               | 913.51      | 4.91             | D           | 593.51  |
| 1,2,4,5-Tetrachlorobenzene  | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 2,4,6-Trichlorophenol       | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Hexachlorocyclopentadiene   | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 2,4,5-Trichlorophenol       | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 2-Nitroaniline              | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Isosafrole                  | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 2-Chloronaphthalene         | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 1,4-Naphthoquinone          | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Dimethyl phthalate          | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 1,3-Dinitrobenzene          | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 2,6-Dinitrotoluene          | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 3-Nitroaniline              | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Acenaphthylene              | 23.88            | 0.12             | 21.28           | 0.11        | 10.83            | 0.05        |         |
| 2,4-Dinitrophenol           | ND               | ND               | ND              | ND          | ND               | ND          |         |
| 4-Nitrophenol               | ND               | ND               | ND              | ND          | ND               | ND          |         |
| Acenaphthene                | 516.67           | 2.64             | 358.09          | 1.93        | 309.51           | 1.51        |         |
| 2,4-Dinitrotoluene          | ND               | ND               | ND              | ND          | ND               | ND          |         |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                   | 20037                        | 20181                   |                              | 20189                   |                              |
|-------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                     | ENG1993.D/2063.D             | ENG2000.D/2064.D        |                              | ENG2010.D/2065.D        |                              |
| Date Sampled                  | 5/1/2001                     | 5/7/2001                |                              | 5/13/2001               |                              |
| Date Analyzed                 | 5/25/2001                    | 6/15/2001               |                              | 6/16/2001               |                              |
|                               | Actual Vol (m <sup>3</sup> ) | 195.6                   | Actual Vol (m <sup>3</sup> ) | 185.9                   | Actual Vol (m <sup>3</sup> ) |
| Compound                      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |
| 2-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dibenzofuran                  | 514.38                       | 2.63                    | 292.59                       | 1.57                    | 249.08                       |
| Pentachlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           |
| Diethyl phthalate             | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Nitroaniline                | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                      | ND                           | ND                      | ND                           |
| Fluorene                      | 493.50                       | 2.52                    | 286.50                       | 1.54                    | 238.52                       |
| 5-Nitro-o-toluidine           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Diphenylamine                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| Azobenzene                    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenacetin                    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Diallate                      | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Bromophenyl phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Aminobiphenyl               | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pronamide                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pentachlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pentachloronitrobenzene       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenanthenrene                | 789.00                       | 4.03                    | 360.29                       | 1.94                    | 250.37                       |
| Dinoseb                       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Anthracene                    | 130.55                       | 0.67                    | 52.93                        | 0.28                    | 40.12                        |
| Carbazole                     | 64.12                        | 0.33                    | 16.68                        | 0.09                    | 10.41                        |
| Di-n-butyl phthalate          | 49.93                        | 0.26                    | 46.89                        | 0.25                    | 18.51                        |
| Benzidine                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isodrin                       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Fluoranthene                  | 272.03                       | 1.39                    | 85.97                        | 0.46                    | 44.39                        |
| Pyrene                        | 157.65                       | 0.81                    | 49.60                        | 0.27                    | 26.11                        |
| 4-Dimethylaminoazobenzene     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Chlorobenzilate               | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3,3'-Dimethylbenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           |
| Butyl benzyl phthalate        | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Acetylaminofluorene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3-Methylcholanthrene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3,3'-Dichlorobenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Ethylhexyl)phthalate    | 4.38                         | 0.02                    | U                            | ND                      | ND                           |
| Benzo(a)anthracene            | 18.09                        | 0.09                    | 5.51                         | 0.03                    | 2.58                         |
| Chrysene                      | 22.78                        | 0.12                    | 7.15                         | 0.04                    | 2.88                         |
| Di-n-octyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                      | ND                           | ND                      | ND                           |
| Benzo(b)fluoranthene          | 11.06                        | 0.06                    | U                            | 3.06                    | 0.02                         |
| Benzo(k)fluoranthene          | 7.96                         | 0.04                    | U                            | 2.35                    | 0.01                         |
| Benzo(a)pyrene                | 6.30                         | 0.03                    | U                            | ND                      | ND                           |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dibenz(a,h)anthracene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Benzo(g,h,i)perylene          | ND                           | ND                      | ND                           | ND                      | ND                           |

U

U

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                 | 20342            | 20343            |                 |             | 20464            |             |         |
|-----------------------------|------------------|------------------|-----------------|-------------|------------------|-------------|---------|
| File I.D.                   | ENG2025.D/2046.D | ENG2026.D/2067.D |                 |             | ENG2030.D/2067.D |             |         |
| Date Sampled                | 5/19/2001        | 5/25/2001        |                 |             | 5/31/2001        |             |         |
| Date Analyzed               | 6/20/2001        | 6/20/2001        |                 |             | 6/20/2001        |             |         |
|                             | Actual Vol (m³)  | 204.9            | Actual Vol (m³) | 211.4       | Actual Vol (m³)  | 222.9       |         |
| Compound                    | Final Conc (µg)  | Final µg/m³      | Final Conc (µg) | Final µg/m³ | Final Conc (µg)  | Final µg/m³ |         |
| N-Nitrosodimethylamine      | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Pyridine                    | ND               | ND               | 12.35           | 0.06        | U                | 83.62       | 0.38    |
| Ethyl methanesulfonate      | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 2-Picoline                  | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| N-Nitrosomethylethylamine   | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Methyl methanesulfonate     | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| N-Nitrosodiethylamine       | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Phenol                      | 68.33            | 0.33             | 426.62          | 2.02        |                  | 281.93      | 1.26    |
| Pentachloroethane           | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| bis (2-Chloroethyl)ether    | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Aniline                     | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 2-Chlorophenol              | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 1,3-Dichlorobenzene         | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 1,4-Dichlorobenzene         | 51.24            | 0.25             | 9.36            | 0.04        | U                | 48.08       | 0.22    |
| Benzyl alcohol              | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 2-Methylphenol              | 7.03             | 0.03             | U               | 40.12       | 0.19             | 45.39       | 0.20    |
| 1,2-Dichlorobenzene         | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| bis(2-Chloroisopropyl)ether | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 3&4-Methylphenol            | 18.98            | 0.09             | 144.27          | 0.68        |                  | 102.91      | 0.46    |
| N-Nitrosopyrrolidine        | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| N-Nitrosodipropylamine      | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| o-Toluidine                 | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Hexachloroethane            | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Acetophenone                | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Nitrobenzene                | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| N-Nitrosopiperidine         | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Isophorone                  | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 2-Nitrophenol               | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 2,4-Dimethylphenol          | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| bis(2-Chloroethoxy)methane  | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 2,4-Dichlorophenol          | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 4-Chloroaniline             | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 1,2,4-Trichlorobenzene      | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Naphthalene                 | 1862.05          | 9.09             | D               | 11360.68    | 53.75            | D           | 6457.76 |
| 2,6-Dichlorophenol          | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Hexachloropropene           | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Hexachlorobutadiene         | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| N-Nitrosodibutylamine       | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 4-Chloro-3-methylphenol     | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Safrole                     | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 2-Methylnaphthalene         | 151.43           | 0.74             |                 | 769.86      | 3.64             | D           | 576.67  |
| 1,2,4,5-Tetrachlorobenzene  | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 2,4,6-Trichlorophenol       | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Hexachlorocyclopentadiene   | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 2,4,5-Trichlorophenol       | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 2-Nitroaniline              | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Isosafrole                  | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 2-Chloronaphthalene         | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 1,4-Naphthoquinone          | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Dimethyl phthalate          | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 1,3-Dintrobenzene           | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 2,6-Dinitrotoluene          | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 3-Nitroaniline              | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Acenaphthylene              | 2.70             | 0.01             | U               | 18.58       | 0.09             | 6.58        | 0.03    |
| 2,4-Dinitrophenol           | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| 4-Nitrophenol               | ND               | ND               | ND              | ND          | ND               | ND          | ND      |
| Acenaphthene                | 30.42            | 0.15             |                 | 412.25      | 1.95             | 191.75      | 0.86    |
| 2,4-Dinitrotoluene          | ND               | ND               | ND              | ND          | ND               | ND          | ND      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 20342                        | 20343                         |                              | 20464                         |                              |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>              | ENG2025.D/2046.D             | ENG2026.D/2067.D              |                              | ENG2030.D/2067.D              |                              |
| <b>Date Sampled</b>           | 5/19/2001                    | 5/25/2001                     |                              | 5/31/2001                     |                              |
| <b>Date Analyzed</b>          | 6/20/2001                    | 6/20/2001                     |                              | 6/20/2001                     |                              |
|                               | Actual Vol (m <sup>3</sup> ) | 204.9                         | Actual Vol (m <sup>3</sup> ) | 211.4                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
|                               |                              |                               |                              |                               |                              |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dibenzofuran                  | 27.02                        | 0.13                          | 333.09                       | 1.58                          | 129.21                       |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Fluorene                      | 23.49                        | 0.11                          | 345.50                       | 1.63                          | 131.38                       |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenanthenrene                | 44.98                        | 0.22                          | 366.13                       | 1.73                          | 179.28                       |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Anthracene                    | 3.11                         | 0.02                          | U                            | 79.80                         | 19.74                        |
| Carbazole                     | ND                           | ND                            |                              | 27.06                         | 5.89                         |
| Di-n-butyl phthalate          | 31.97                        | 0.16                          |                              | 14.41                         | 0.09                         |
| Benzidine                     | ND                           | ND                            |                              | ND                            | ND                           |
| Isodrin                       | ND                           | ND                            |                              | ND                            | ND                           |
| Fluoranthene                  | 9.13                         | 0.04                          | U                            | 102.54                        | 28.44                        |
| Pyrene                        | 6.49                         | 0.03                          |                              | 70.10                         | 0.13                         |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            |                              | ND                            | ND                           |
| Chlorobenzilate               | ND                           | ND                            |                              | ND                            | ND                           |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            |                              | ND                            | ND                           |
| Butyl benzyl phthalate        | ND                           | ND                            |                              | ND                            | ND                           |
| 2-Acetylaminofluorene         | ND                           | ND                            |                              | ND                            | ND                           |
| 3-Methylcholanthrene          | ND                           | ND                            |                              | ND                            | ND                           |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            |                              | ND                            | ND                           |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            |                              | ND                            | ND                           |
| Benzo(a)anthracene            | ND                           | ND                            | 6.10                         | 0.03                          | U                            |
| Chrysene                      | ND                           | ND                            | 8.61                         | 0.04                          |                              |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(b)fluoranthene          | ND                           | ND                            | 2.51                         | 0.01                          | U                            |
| Benzo(k)fluoranthene          | ND                           | ND                            | 1.99                         | 0.01                          |                              |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 20573                        |                               | 20636                        |                               | 21015                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2046.D                    |                               | VOID                         |                               | ENG2126.D/2245.D             |                               |
| <b>Date Sampled</b>         | 6/6/2001                     |                               | 6/12/2001                    |                               | 6/18/2001                    |                               |
| <b>Date Analyzed</b>        | 6/22/2001                    |                               |                              |                               | 7/13/2001                    |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 220.2                         | Actual Vol (m <sup>3</sup> ) |                               | Actual Vol (m <sup>3</sup> ) | 199.1                         |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            |                              |                               | 27.81                        | 0.14                          |
| Ethyl methanesulfonate      | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            |                              |                               | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            |                              |                               | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Phenol                      | 20.18                        | 0.09                          | U                            |                               | 711.55                       | 3.57                          |
| Pentachloroethane           | ND                           | ND                            |                              |                               | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Aniline                     | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 30.47                        | 0.14                          |                              |                               | 21.82                        | 0.11                          |
| Benzyl alcohol              | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            |                              |                               | 180.67                       | 0.91                          |
| 1,2-Dichlorobenzene         | ND                           | ND                            |                              |                               | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            |                              |                               | 418.05                       | 2.10                          |
| N-Nitrosopyrrolidine        | ND                           | ND                            |                              |                               | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            |                              |                               | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            |                              |                               | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            |                              |                               | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Naphthalene                 | 189.03                       | 0.86                          |                              |                               | 18565.89                     | 93.25                         |
| 2,6-Dichlorophenol          | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            |                              |                               | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Safrole                     | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 2-Methylnaphthalene         | 59.24                        | 0.27                          |                              |                               | 1289.31                      | 6.48                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Acenaphthylene              | ND                           | ND                            |                              |                               | 24.67                        | 0.12                          |
| 2,4-Dinitrophenol           | ND                           | ND                            |                              |                               | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            |                              |                               | ND                           | ND                            |
| Acenaphthene                | 7.31                         | 0.03                          |                              |                               | 501.02                       | 2.52                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            |                              |                               | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                   | 20573           | File I.D.               | ENG2046.D | Date Sampled | 6/6/2001 | Date Analyzed | 6/22/2001 | Actual Vol (m <sup>3</sup> ) | 220.2 | 20636           | VOID                    | 6/12/2001 | 21015 | ENG2126.D/2245.D | 6/18/2001 | 7/13/2001 | Actual Vol (m <sup>3</sup> ) | 199.1 |
|-------------------------------|-----------------|-------------------------|-----------|--------------|----------|---------------|-----------|------------------------------|-------|-----------------|-------------------------|-----------|-------|------------------|-----------|-----------|------------------------------|-------|
| Compound                      | Final Conc (µg) | Final µg/m <sup>3</sup> |           |              |          |               |           |                              |       | Final Conc (µg) | Final µg/m <sup>3</sup> |           |       |                  |           |           |                              |       |
| 2-Naphthylamine               | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Dibenzofuran                  | 7.30            | 0.03                    | U         |              |          |               |           |                              |       | 436.11          | 2.19                    |           |       |                  |           |           |                              |       |
| Pentachlorobenzene            | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| 1-Naphthylamine               | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Diethyl phthalate             | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| 2,3,4,6-Tetrachlorophenol     | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| 4-Nitroaniline                | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| 4-Chlorophenyl-phenyl ether   | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Fluorene                      | 7.56            | 0.03                    | U         |              |          |               |           |                              |       | 402.54          | 2.02                    |           |       |                  |           |           |                              |       |
| 5-Nitro-o-toluidine           | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| 4,6-Dinitro-2-methylphenol    | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Diphenylamine                 | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Azobenzene                    | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Phenacetin                    | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Diallate                      | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| 4-Bromophenyl phenyl ether    | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| 4-Aminobiphenyl               | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Hexachlorobenzene             | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Pronamide                     | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Pentachlorophenol             | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Pentachloronitrobenzene       | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Phenanthren                   | 13.91           | 0.06                    |           |              |          |               |           |                              |       | 421.09          | 2.12                    |           |       |                  |           |           |                              |       |
| Dinoseb                       | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Anthracene                    | ND              | ND                      |           |              |          |               |           |                              |       | 79.14           | 0.40                    |           |       |                  |           |           |                              |       |
| Carbazole                     | ND              | ND                      |           |              |          |               |           |                              |       | 28.46           | 0.14                    |           |       |                  |           |           |                              |       |
| Di-n-butyl phthalate          | 17.92           | 0.08                    |           |              |          |               |           |                              |       | 43.65           | 0.22                    |           |       |                  |           |           |                              |       |
| Benzidine                     | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Isodrin                       | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Fluoranthene                  | ND              | ND                      |           |              |          |               |           |                              |       | 114.85          | 0.58                    |           |       |                  |           |           |                              |       |
| Pyrene                        | ND              | ND                      |           |              |          |               |           |                              |       | 76.64           | 0.38                    |           |       |                  |           |           |                              |       |
| 4-Dimethylaminoazobenzene     | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Chlorobenzilate               | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| 3,3'-Dimethylbenzidine        | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Butyl benzyl phthalate        | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| 2-Acetylaminofluorene         | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| 3-Methylcholanthrene          | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| 3,3'-Dichlorobenzidine        | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| bis(2-Ethylhexyl)phthalate    | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Benzo(a)anthracene            | ND              | ND                      |           |              |          |               |           |                              |       | 6.01            | 0.03                    | U         | U     |                  |           |           |                              |       |
| Chrysene                      | ND              | ND                      |           |              |          |               |           |                              |       | 8.57            | 0.04                    |           |       |                  |           |           |                              |       |
| Di-n-octyl phthalate          | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| 7,12-Dimethylbenz(a)anthracen | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Benzo(b)fluoranthene          | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Benzo(k)fluoranthene          | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Benzo(a)pyrene                | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Indeno(1,2,3-cd)pyrene        | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Dibenz(a,h)anthracene         | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |
| Benzo(g,h,i)perylene          | ND              | ND                      |           |              |          |               |           |                              |       | ND              | ND                      |           |       |                  |           |           |                              |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

|                             |                              |                               |                              |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>Sample I.D.</b>          | 21061                        | 21323 Field Blank             | 21324                        |                               |
| <b>File I.D.</b>            | VOID                         | VOID                          | VOID                         |                               |
| <b>Date Sampled</b>         | 6/24/2001                    | 6/30/2001                     | 6/30/2001                    |                               |
| <b>Date Analyzed</b>        |                              |                               |                              |                               |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  | Actual Vol (m <sup>3</sup> ) |                               |
| <b>Compound</b>             | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      |                              |                               |                              |                               |
| Pyridine                    |                              |                               |                              |                               |
| Ethyl methanesulfonate      |                              |                               |                              |                               |
| 2-Picoline                  |                              |                               |                              |                               |
| N-Nitrosomethylethylamine   |                              |                               |                              |                               |
| Methyl methanesulfonate     |                              |                               |                              |                               |
| N-Nitrosodiethylamine       |                              |                               |                              |                               |
| Phenol                      |                              |                               |                              |                               |
| Pentachloroethane           |                              |                               |                              |                               |
| bis (2-Chloroethyl)ether    |                              |                               |                              |                               |
| Aniline                     |                              |                               |                              |                               |
| 2-Chlorophenol              |                              |                               |                              |                               |
| 1,3-Dichlorobenzene         |                              |                               |                              |                               |
| 1,4-Dichlorobenzene         |                              |                               |                              |                               |
| Benzyl alcohol              |                              |                               |                              |                               |
| 2-Methylphenol              |                              |                               |                              |                               |
| 1,2-Dichlorobenzene         |                              |                               |                              |                               |
| bis(2-Chloroisopropyl)ether |                              |                               |                              |                               |
| 3&4-Methylphenol            |                              |                               |                              |                               |
| N-Nitrosopyrrolidine        |                              |                               |                              |                               |
| N-Nitrosodipropylamine      |                              |                               |                              |                               |
| o-Toluidine                 |                              |                               |                              |                               |
| Hexachloroethane            |                              |                               |                              |                               |
| Acetophenone                |                              |                               |                              |                               |
| Nitrobenzene                |                              |                               |                              |                               |
| N-Nitrosopiperidine         |                              |                               |                              |                               |
| Isophorone                  |                              |                               |                              |                               |
| 2-Nitrophenol               |                              |                               |                              |                               |
| 2,4-Dimethylphenol          |                              |                               |                              |                               |
| bis(2-Chloroethoxy)methane  |                              |                               |                              |                               |
| 2,4-Dichlorophenol          |                              |                               |                              |                               |
| 4-Chloroaniline             |                              |                               |                              |                               |
| 1,2,4-Trichlorobenzene      |                              |                               |                              |                               |
| Naphthalene                 |                              |                               |                              |                               |
| 2,6-Dichlorophenol          |                              |                               |                              |                               |
| Hexachloropropene           |                              |                               |                              |                               |
| Hexachlorobutadiene         |                              |                               |                              |                               |
| N-Nitrosodibutylamine       |                              |                               |                              |                               |
| 4-Chloro-3-methylphenol     |                              |                               |                              |                               |
| Safrole                     |                              |                               |                              |                               |
| 2-Methylnaphthalene         |                              |                               |                              |                               |
| 1,2,4,5-Tetrachlorobenzene  |                              |                               |                              |                               |
| 2,4,6-Trichlorophenol       |                              |                               |                              |                               |
| Hexachlorocyclopentadiene   |                              |                               |                              |                               |
| 2,4,5-Trichlorophenol       |                              |                               |                              |                               |
| 2-Nitroaniline              |                              |                               |                              |                               |
| Isosafrole                  |                              |                               |                              |                               |
| 2-Chloronaphthalene         |                              |                               |                              |                               |
| 1,4-Naphthoquinone          |                              |                               |                              |                               |
| Dimethyl phthalate          |                              |                               |                              |                               |
| 1,3-Dintrobenzene           |                              |                               |                              |                               |
| 2,6-Dinitrotoluene          |                              |                               |                              |                               |
| 3-Nitroaniline              |                              |                               |                              |                               |
| Acenaphthylene              |                              |                               |                              |                               |
| 2,4-Dinitrophenol           |                              |                               |                              |                               |
| 4-Nitrophenol               |                              |                               |                              |                               |
| Acenaphthene                |                              |                               |                              |                               |
| 2,4-Dinitrotoluene          |                              |                               |                              |                               |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

|                               |                              |                               |                              |                               |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>Sample I.D.</b>            | 21061                        | 21323 Field Blank             | 21324                        |                               |
| <b>File I.D.</b>              | VOID                         | VOID                          | VOID                         |                               |
| <b>Date Sampled</b>           | 6/24/2001                    | 6/30/2001                     | 6/30/2001                    |                               |
| <b>Date Analyzed</b>          |                              |                               |                              |                               |
|                               | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> )  | Actual Vol (m <sup>3</sup> ) |                               |
| <b>Compound</b>               | <u>Final Conc (ug)</u>       | <u>Final ug/m<sup>3</sup></u> | <u>Final Conc (ug)</u>       | <u>Final ug/m<sup>3</sup></u> |
| 2-Naphthylamine               |                              |                               |                              |                               |
| Dibenzofuran                  |                              |                               |                              |                               |
| Pentachlorobenzene            |                              |                               |                              |                               |
| 1-Naphthylamine               |                              |                               |                              |                               |
| Diethyl phthalate             |                              |                               |                              |                               |
| 2,3,4,6-Tetrachlorophenol     |                              |                               |                              |                               |
| 4-Nitroaniline                |                              |                               |                              |                               |
| 4-Chlorophenyl-phenyl ether   |                              |                               |                              |                               |
| Fluorene                      |                              |                               |                              |                               |
| 5-Nitro-o-toluidine           |                              |                               |                              |                               |
| 4,6-Dinitro-2-methylphenol    |                              |                               |                              |                               |
| Diphenylamine                 |                              |                               |                              |                               |
| Azobenzene                    |                              |                               |                              |                               |
| Phenacetin                    |                              |                               |                              |                               |
| Diallate                      |                              |                               |                              |                               |
| 4-Bromophenyl phenyl ether    |                              |                               |                              |                               |
| 4-Aminobiphenyl               |                              |                               |                              |                               |
| Hexachlorobenzene             |                              |                               |                              |                               |
| Pronamide                     |                              |                               |                              |                               |
| Pentachlorophenol             |                              |                               |                              |                               |
| Pentachloronitrobenzene       |                              |                               |                              |                               |
| Phenanthrene                  |                              |                               |                              |                               |
| Dinoseb                       |                              |                               |                              |                               |
| Anthracene                    |                              |                               |                              |                               |
| Carbazole                     |                              |                               |                              |                               |
| Di-n-butyl phthalate          |                              |                               |                              |                               |
| Benzidine                     |                              |                               |                              |                               |
| Isodrin                       |                              |                               |                              |                               |
| Fluoranthene                  |                              |                               |                              |                               |
| Pyrene                        |                              |                               |                              |                               |
| 4-Dimethylaminoazobenzene     |                              |                               |                              |                               |
| Chlorobenzilate               |                              |                               |                              |                               |
| 3,3'-Dimethylbenzidine        |                              |                               |                              |                               |
| Butyl benzyl phthalate        |                              |                               |                              |                               |
| 2-Acetylaminofluorene         |                              |                               |                              |                               |
| 3-Methylcholanthrene          |                              |                               |                              |                               |
| 3,3'-Dichlorobenzidine        |                              |                               |                              |                               |
| bis(2-Ethylhexyl)phthalate    |                              |                               |                              |                               |
| Benzo(a)anthracene            |                              |                               |                              |                               |
| Chrysene                      |                              |                               |                              |                               |
| Di-n-octyl phthalate          |                              |                               |                              |                               |
| 7,12-Dimethylbenz(a)anthracen |                              |                               |                              |                               |
| Benzo(b)fluoranthene          |                              |                               |                              |                               |
| Benzo(k)fluoranthene          |                              |                               |                              |                               |
| Benzo(a)pyrene                |                              |                               |                              |                               |
| Indeno(1,2,3-cd)pyrene        |                              |                               |                              |                               |
| Dibenz(a,h)anthracene         |                              |                               |                              |                               |
| Benzo(g,h,i)perylene          |                              |                               |                              |                               |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 21325                        | 21515                         |                              | 21671                         |                               |        |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|--------|
| <b>File I.D.</b>            | ENG2260.D/2261.D             | ENG2263.D                     |                              | ENG2291.D                     |                               |        |
| <b>Date Sampled</b>         | 7/6/2001                     | 7/12/2001                     |                              | 7/18/2001                     |                               |        |
| <b>Date Analyzed</b>        | 8/9/2001                     | 8/9/2001                      |                              | 8/17/2001                     |                               |        |
|                             | Actual Vol (m <sup>3</sup> ) | 206.7                         | Actual Vol (m <sup>3</sup> ) | 159.2                         | Actual Vol (m <sup>3</sup> )  |        |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>        |        |
|                             |                              |                               |                              |                               | <b>Final µg/m<sup>3</sup></b> |        |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Pyridine                    | 107.04                       | 0.52                          | ND                           | ND                            | ND                            | ND     |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 2-Picoline                  | 12.11                        | 0.06                          | ND                           | ND                            | ND                            | ND     |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Phenol                      | 594.54                       | 2.88                          | ND                           | ND                            | 22.15                         | 0.10   |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 1,4-Dichlorobenzene         | 29.09                        | 0.14                          | 20.64                        | 0.13                          | 11.50                         | 0.05   |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 2-Methylphenol              | 117.97                       | 0.57                          | ND                           | ND                            | ND                            | ND     |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 3&4-Methylphenol            | 292.44                       | 1.41                          | ND                           | ND                            | ND                            | ND     |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| bis(2-Chlorooxy)methane     | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Naphthalene                 | 11216.37                     | 54.27                         | D                            | 103.55                        | 0.65                          | 490.59 |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 2-Methylnaphthalene         | 792.83                       | 3.84                          | D                            | 37.24                         | 0.23                          | 81.46  |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Acenaphthylene              | 18.14                        | 0.09                          | ND                           | ND                            | ND                            | ND     |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |
| Acenaphthene                | 349.50                       | 1.69                          | 6.31                         | 0.04                          | 14.20                         | 0.06   |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                            | ND     |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <u>Sample I.D.</u>             | 21325                        | 21515                         | 21671                        |                               |                              |                               |
|--------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <u>File I.D.</u>               | ENG2260.D/2261.D             | ENG2263.D                     | ENG2291.D                    |                               |                              |                               |
| <u>Date Sampled</u>            | 7/6/2001                     | 7/12/2001                     | 7/18/2001                    |                               |                              |                               |
| <u>Date Analyzed</u>           | 8/9/2001                     | 8/9/2001                      | 8/17/2001                    |                               |                              |                               |
|                                | Actual Vol (m <sup>3</sup> ) | 206.7                         | Actual Vol (m <sup>3</sup> ) | 159.2                         | Actual Vol (m <sup>3</sup> ) | 218.9                         |
| <u>Compound</u>                | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| 2-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                   | 290.32                       | 1.40                          | 5.37                         | 0.03                          | U                            | 16.66                         |
| Pentachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluorene                       | 300.43                       | 1.45                          | 5.03                         | 0.03                          | U                            | 17.17                         |
| 5-Nitro-o-toluidine            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diallate                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pronamide                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenanthrene                   | 330.97                       | 1.60                          | 11.55                        | 0.07                          | 31.15                        | 0.14                          |
| Dinoseb                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Anthracene                     | 64.79                        | 0.31                          | ND                           | ND                            | 1.48                         | 0.01                          |
| Carbazole                      | 19.72                        | 0.10                          | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate           | 29.84                        | 0.14                          | 29.82                        | 0.19                          | 69.30                        | 0.32                          |
| Benzidine                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isodrin                        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                   | 89.50                        | 0.43                          | ND                           | ND                            | 7.32                         | 0.03                          |
| Pyrene                         | 49.98                        | 0.24                          | ND                           | ND                            | ND                           | ND                            |
| 4-Dimethylaminoazobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate     | ND                           | ND                            | ND                           | ND                            | 1.52                         | 0.01                          |
| Benzo(a)anthracene             | 6.59                         | 0.03                          | U                            | ND                            | ND                           | ND                            |
| Chrysene                       | 8.29                         | 0.04                          | U                            | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracene | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene           | 2.95                         | 0.01                          | U                            | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene           | 2.40                         | 0.01                          | U                            | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                 | 21757                        | 21861                   |                              |                         | 21988                        |                         |         |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|---------|
| File I.D.                   | ENG2309.D/2334.D             | ENG2316.D/2335.D        |                              |                         | ENG2330.D/2336.D             |                         |         |
| Date Sampled                | 7/24/2001                    | 7/30/2001               |                              |                         | 8/5/2001                     |                         |         |
| Date Analyzed               | 8/21/2001                    | 8/22/2001               |                              |                         | 8/22/2001                    |                         |         |
|                             | Actual Vol (m <sup>3</sup> ) | 210.9                   | Actual Vol (m <sup>3</sup> ) | 210.9                   | Actual Vol (m <sup>3</sup> ) | 193.5                   |         |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |         |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Pyridine                    | ND                           | ND                      | 19.29                        | 0.09                    | U                            | 32.75                   | 0.17    |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Phenol                      | ND                           | ND                      | 113.91                       | 0.54                    |                              | 250.44                  | 1.29    |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 1,4-Dichlorobenzene         | 9.80                         | 0.05                    | U                            | 35.63                   | 0.17                         | 63.67                   | 0.33    |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 2-Methylphenol              | 6.62                         | 0.03                    | U                            | 18.61                   | 0.09                         | 42.47                   | 0.22    |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 3&4-Methylphenol            | 19.07                        | 0.09                    |                              | 38.98                   | 0.18                         | 115.34                  | 0.60    |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Naphthalene                 | 3275.30                      | 15.53                   | D                            | 2410.42                 | 11.43                        | D                       | 6706.48 |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 2-Methylnaphthalene         | 349.09                       | 1.66                    |                              | 166.19                  | 0.79                         |                         | 762.33  |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Acenaphthylene              | 2.38                         | 0.01                    | U                            | 1.85                    | 0.01                         | U                       | 7.84    |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |
| Acenaphthene                | 212.44                       | 1.01                    |                              | 35.04                   | 0.17                         |                         | 347.00  |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | <b>21757</b>                 |                               |   | <b>21861</b>                 |                               |   | <b>21988</b>                 |                               |
|-------------------------------|------------------------------|-------------------------------|---|------------------------------|-------------------------------|---|------------------------------|-------------------------------|
| <b>File I.D.</b>              | ENG2309.D/2334.D             |                               |   | ENG2316.D/2335.D             |                               |   | ENG2330.D/2336.D             |                               |
| <b>Date Sampled</b>           | 7/24/2001                    |                               |   | 7/30/2001                    |                               |   | 8/5/2001                     |                               |
| <b>Date Analyzed</b>          | 8/21/2001                    |                               |   | 8/22/2001                    |                               |   | 8/22/2001                    |                               |
|                               | Actual Vol (m <sup>3</sup> ) | 210.9                         |   | Actual Vol (m <sup>3</sup> ) | 210.9                         |   | Actual Vol (m <sup>3</sup> ) | 193.5                         |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |   | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| 2-Naphthylamine               | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Dibenzofuran                  | 181.17                       | 0.86                          |   | 31.13                        | 0.15                          |   | 251.59                       | 1.30                          |
| Pentachlorobenzene            | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| 1-Naphthylamine               | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Diethyl phthalate             | ND                           | ND                            |   | 3.82                         | 0.02                          | U | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| 4-Nitroaniline                | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Fluorene                      | 166.53                       | 0.79                          |   | 33.38                        | 0.16                          |   | 279.68                       | 1.45                          |
| 5-Nitro-o-toluidine           | ND                           | ND                            |   | ND                           | ND                            |   | 34.37                        | 0.18                          |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Diphenylamine                 | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Azobenzene                    | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Phenacetin                    | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Diallate                      | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Hexachlorobenzene             | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Pronamide                     | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Pentachlorophenol             | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Phenanthenrene                | 282.89                       | 1.34                          |   | 57.31                        | 0.27                          |   | 370.29                       | 1.91                          |
| Dinoseb                       | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Anthracene                    | 32.22                        | 0.15                          |   | 2.64                         | 0.01                          | U | 66.01                        | 0.34                          |
| Carbazole                     | 16.07                        | 0.08                          |   | 1.68                         | 0.01                          | U | 19.81                        | 0.10                          |
| Di-n-butyl phthalate          | 103.39                       | 0.49                          |   | 63.24                        | 0.30                          |   | 71.35                        | 0.37                          |
| Benzidine                     | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Isodrin                       | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Fluoranthene                  | 95.68                        | 0.45                          |   | 11.04                        | 0.05                          | U | 86.46                        | 0.45                          |
| Pyrene                        | 61.31                        | 0.29                          |   | 6.51                         | 0.03                          | U | 64.04                        | 0.33                          |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Chlorobenzilate               | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            |   | 1.48                         | 0.01                          | U | 1.96                         | 0.01                          |
| Benzo(a)anthracene            | 7.44                         | 0.04                          | U | ND                           | ND                            |   | 4.32                         | 0.02                          |
| Chrysene                      | 10.30                        | 0.05                          | U | ND                           | ND                            |   | 5.15                         | 0.03                          |
| Di-n-octyl phthalate          | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Benzo(b)fluoranthene          | 6.06                         | 0.03                          | U | ND                           | ND                            |   | ND                           | ND                            |
| Benzo(k)fluoranthene          | 3.15                         | 0.01                          | U | ND                           | ND                            |   | ND                           | ND                            |
| Benzo(a)pyrene                | 4.48                         | 0.02                          | U | ND                           | ND                            |   | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                            |   | ND                           | ND                            |   | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 22131                        | 22219                         |                              | 22394                         |                              |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2347.D                    | ENG2368.D                     |                              | VOID                          |                              |                               |
| <b>Date Sampled</b>         | 8/11/2001                    | 8/17/2001                     |                              | 8/23/2001                     |                              |                               |
| <b>Date Analyzed</b>        | 9/20/2001                    | 9/21/2001                     |                              |                               |                              |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 186.4                         | Actual Vol (m <sup>3</sup> ) | 230.5                         | Actual Vol (m <sup>3</sup> ) |                               |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 9.83                         | 0.05                          | U                            | 12.58                         | 0.05                         |                               |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 487.63                       | 2.62                          |                              | 269.10                        | 1.17                         |                               |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 44.25                        | 0.24                          |                              | 46.87                         | 0.20                         |                               |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 10.44                        | 0.06                          |                              | 15.32                         | 0.07                         |                               |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 22131                        | 22219                         |                              | 22394                         |                               |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>File I.D.</b>              | ENG2347.D                    | ENG2368.D                     |                              | VOID                          |                               |
| <b>Date Sampled</b>           | 8/11/2001                    | 8/17/2001                     |                              | 8/23/2001                     |                               |
| <b>Date Analyzed</b>          | 9/20/2001                    | 9/21/2001                     |                              |                               |                               |
|                               | Actual Vol (m <sup>3</sup> ) | 186.4                         | Actual Vol (m <sup>3</sup> ) | 230.5                         | Actual Vol (m <sup>3</sup> )  |
| <b>Compound</b>               | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> | <b>Final Conc (ug)</b>       | <b>Final ug/m<sup>3</sup></b> | <b>Final Conc (ug)</b>        |
|                               |                              |                               |                              |                               | <b>Final ug/m<sup>3</sup></b> |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                            |
| Dibenzofuran                  | 7.30                         | 0.04                          | U                            | 12.17                         | 0.05                          |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                            |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                            |
| Fluorene                      | 7.91                         | 0.04                          | U                            | 12.34                         | 0.05                          |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                            |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                            |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                            |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                            |
| Phenanthrene                  | 15.07                        | 0.08                          | 26.41                        | 0.11                          |                               |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            |                               |
| Anthracene                    | ND                           | ND                            | 1.84                         | 0.01                          | U                             |
| Carbazole                     | ND                           | ND                            | ND                           | ND                            |                               |
| Di-n-butyl phthalate          | 39.59                        | 0.21                          | 32.66                        | 0.14                          |                               |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            |                               |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            |                               |
| Fluoranthene                  | 3.29                         | 0.02                          | U                            | 7.58                          | 0.03                          |
| Pyrene                        | 2.07                         | 0.01                          | U                            | 4.16                          | 0.02                          |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            |                               |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            |                               |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            |                               |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            |                               |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            |                               |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            |                               |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            |                               |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            |                               |
| Benzo(a)anthracene            | ND                           | ND                            | ND                           | ND                            |                               |
| Chrysene                      | ND                           | ND                            | ND                           | ND                            |                               |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            |                               |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            |                               |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            |                               |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            |                               |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            |                               |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            |                               |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            |                               |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            |                               |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                 | 22618                        | 22786                   |                              | 22873                   |                              |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| File I.D.                   | ENG2395.D/2407.D             | ENG2397.D               | <th>ENG2423.D</th> <td></td> | ENG2423.D               |                              |
| Date Sampled                | 8/29/2001                    | 9/4/2001                |                              | 9/10/2001               |                              |
| Date Analyzed               | 9/24/2001                    | 9/24/2001               |                              | 10/2/2001               |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 230.7                   | Actual Vol (m <sup>3</sup> ) | 215.1                   | Actual Vol (m <sup>3</sup> ) |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              |
|                             |                              |                         |                              |                         | Final µg/m <sup>3</sup>      |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Pyridine                    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Phenol                      | 185.45                       | 0.80                    | ND                           | ND                      | 17.07                        |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Dichlorobenzene         | 25.25                        | 0.11                    | ND                           | ND                      | 11.24                        |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylphenol              | 27.23                        | 0.12                    | ND                           | ND                      | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3&4-Methylphenol            | 72.86                        | 0.32                    | ND                           | ND                      | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           |
| Naphthalene                 | 5138.55                      | 22.28                   | D                            | 62.97                   | 0.29                         |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Methylnaphthalene         | 458.97                       | 1.99                    | 18.81                        | 0.09                    | 115.05                       |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthylene              | 13.31                        | 0.06                    | ND                           | ND                      | 0.89                         |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           |
| Acenaphthene                | 164.36                       | 0.71                    | 3.07                         | 0.01                    | U                            |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           |
|                             |                              |                         |                              |                         | 53.74                        |
|                             |                              |                         |                              |                         | 0.26                         |
|                             |                              |                         |                              |                         | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.   | 22618                        | 22786     | 22873                        |       |                              |       |
|---------------|------------------------------|-----------|------------------------------|-------|------------------------------|-------|
| File I.D.     | ENG2395.D/2407.D             | ENG2397.D | ENG2423.D                    |       |                              |       |
| Date Sampled  | 8/29/2001                    | 9/4/2001  | 9/10/2001                    |       |                              |       |
| Date Analyzed | 9/24/2001                    | 9/24/2001 | 10/2/2001                    |       |                              |       |
|               | Actual Vol (m <sup>3</sup> ) | 230.7     | Actual Vol (m <sup>3</sup> ) | 215.1 | Actual Vol (m <sup>3</sup> ) | 207.1 |

| Compound                       | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> | Final Conc (µg) | Final µg/m <sup>3</sup> |
|--------------------------------|-----------------|-------------------------|-----------------|-------------------------|-----------------|-------------------------|
| 2-Naphthylamine                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dibenzofuran                   | 108.72          | 0.47                    | 2.71            | 0.01                    | U               | 41.60                   |
| Pentachlorobenzene             | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 1-Naphthylamine                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Diethyl phthalate              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2,3,4,6-Tetrachlorophenol      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Nitroaniline                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Chlorophenyl-phenyl ether    | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Fluorene                       | 116.98          | 0.51                    | 2.82            | 0.01                    | U               | 37.24                   |
| 5-Nitro-o-toluidine            | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4,6-Dinitro-2-methylphenol     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Diphenylamine                  | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Azobenzene                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenacetin                     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Diallate                       | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Bromophenyl phenyl ether     | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 4-Aminobiphenyl                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Hexachlorobenzene              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pronamide                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pentachlorophenol              | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Pentachloronitrobenzene        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Phenanthrene                   | 172.02          | 0.75                    | 6.99            | 0.03                    | U               | 75.41                   |
| Dinoseb                        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Anthracene                     | 24.65           | 0.11                    | ND              | ND                      | 4.76            | 0.02                    |
| Carbazole                      | 8.67            | 0.04                    | ND              | ND                      | 2.15            | 0.01                    |
| Di-n-butyl phthalate           | 41.49           | 0.18                    | 16.84           | 0.08                    | 30.80           | 0.15                    |
| Benzidine                      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Isodrin                        | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Fluoranthene                   | 37.24           | 0.16                    | 1.95            | 0.01                    | U               | 15.24                   |
| Pyrene                         | 25.43           | 0.11                    | 1.28            | 0.01                    | U               | 9.35                    |
| 4-Dimethylaminoazobenzene      | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Chlorobenzilate                | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3,3'-Dimethylbenzidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Butyl benzyl phthalate         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 2-Acetylaminofluorene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3-Methylcholanthrene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 3,3'-Dichlorobenzidine         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| bis(2-Ethylhexyl)phthalate     | 1.32            | 0.01                    | U               | ND                      | ND              | ND                      |
| Benzo(a)anthracene             | 3.29            | 0.01                    | U               | ND                      | ND              | ND                      |
| Chrysene                       | 3.43            | 0.01                    | U               | ND                      | ND              | ND                      |
| Di-n-octyl phthalate           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| 7,12-Dimethylbenz(a)anthracene | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Benzo(b)fluoranthene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Benzo(k)fluoranthene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Benzo(a)pyrene                 | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Indeno(1,2,3-cd)pyrene         | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Dibenz(a,h)anthracene          | ND              | ND                      | ND              | ND                      | ND              | ND                      |
| Benzo(g,h,i)perylene           | ND              | ND                      | ND              | ND                      | ND              | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                 | 22874            | 23039            |                 |             | 23158           |             |
|-----------------------------|------------------|------------------|-----------------|-------------|-----------------|-------------|
| File I.D.                   | ENG2430.D/2513.D | ENG2455.D/2468.D |                 |             | ENG2460.D       |             |
| Date Sampled                | 9/16/2001        | 9/22/2001        |                 |             | 9/28/2001       |             |
| Date Analyzed               | 10/2/2001        | 10/19/2001       |                 |             | 10/19/2001      |             |
|                             | Actual Vol (m³)  | 215.0            | Actual Vol (m³) | 210.9       | Actual Vol (m³) | 237.3       |
| Compound                    | Final Conc (µg)  | Final µg/m³      | Final Conc (µg) | Final µg/m³ | Final Conc (µg) | Final µg/m³ |
| N-Nitrosodimethylamine      | ND               | ND               | ND              | ND          | ND              | ND          |
| Pyridine                    | 6.01             | 0.03             | U               | ND          | ND              | ND          |
| Ethyl methanesulfonate      | ND               | ND               | ND              | ND          | ND              | ND          |
| 2-Picoline                  | ND               | ND               | ND              | ND          | ND              | ND          |
| N-Nitrosomethylethylamine   | ND               | ND               | ND              | ND          | ND              | ND          |
| Methyl methanesulfonate     | ND               | ND               | ND              | ND          | ND              | ND          |
| N-Nitrosodiethylamine       | ND               | ND               | ND              | ND          | ND              | ND          |
| Phenol                      | 236.71           | 1.10             | 32.72           | 0.16        | ND              | ND          |
| Pentachloroethane           | ND               | ND               | ND              | ND          | ND              | ND          |
| bis (2-Chloroethyl)ether    | ND               | ND               | ND              | ND          | ND              | ND          |
| Aniline                     | ND               | ND               | ND              | ND          | ND              | ND          |
| 2-Chlorophenol              | ND               | ND               | ND              | ND          | ND              | ND          |
| 1,3-Dichlorobenzene         | ND               | ND               | ND              | ND          | ND              | ND          |
| 1,4-Dichlorobenzene         | 66.88            | 0.31             | 14.78           | 0.07        | 14.00           | 0.06        |
| Benzyl alcohol              | ND               | ND               | ND              | ND          | ND              | ND          |
| 2-Methylphenol              | 37.00            | 0.17             | 5.78            | 0.03        | U               | ND          |
| 1,2-Dichlorobenzene         | ND               | ND               | ND              | ND          | ND              | ND          |
| bis(2-Chloroisopropyl)ether | ND               | ND               | ND              | ND          | ND              | ND          |
| 3&4-Methylphenol            | 88.84            | 0.41             | 16.71           | 0.08        | ND              | ND          |
| N-Nitrosopyrrolidine        | ND               | ND               | ND              | ND          | ND              | ND          |
| N-Nitrosodipropylamine      | ND               | ND               | ND              | ND          | ND              | ND          |
| o-Toluidine                 | ND               | ND               | ND              | ND          | ND              | ND          |
| Hexachloroethane            | ND               | ND               | ND              | ND          | ND              | ND          |
| Acetophenone                | ND               | ND               | ND              | ND          | ND              | ND          |
| Nitrobenzene                | ND               | ND               | ND              | ND          | ND              | ND          |
| N-Nitrosopiperidine         | ND               | ND               | ND              | ND          | ND              | ND          |
| Isophorone                  | ND               | ND               | ND              | ND          | ND              | ND          |
| 2-Nitrophenol               | ND               | ND               | ND              | ND          | ND              | ND          |
| 2,4-Dimethylphenol          | ND               | ND               | ND              | ND          | ND              | ND          |
| bis(2-Chloroethoxy)methane  | ND               | ND               | ND              | ND          | ND              | ND          |
| 2,4-Dichlorophenol          | ND               | ND               | ND              | ND          | ND              | ND          |
| 4-Chloroaniline             | ND               | ND               | ND              | ND          | ND              | ND          |
| 1,2,4-Trichlorobenzene      | ND               | ND               | ND              | ND          | ND              | ND          |
| Naphthalene                 | 4922.11          | 22.90            | D               | 1715.38     | 8.13            | D           |
| 2,6-Dichlorophenol          | ND               | ND               | ND              | ND          | ND              | ND          |
| Hexachloropropene           | ND               | ND               | ND              | ND          | ND              | ND          |
| Hexachlorobutadiene         | ND               | ND               | ND              | ND          | ND              | ND          |
| N-Nitrosodibutylamine       | ND               | ND               | ND              | ND          | ND              | ND          |
| 4-Chloro-3-methylphenol     | ND               | ND               | ND              | ND          | ND              | ND          |
| Safrole                     | ND               | ND               | ND              | ND          | ND              | ND          |
| 2-Methylnaphthalene         | 472.54           | 2.20             | 239.58          | 1.14        | 43.14           | 0.18        |
| 1,2,4,5-Tetrachlorobenzene  | ND               | ND               | ND              | ND          | ND              | ND          |
| 2,4,6-Trichlorophenol       | ND               | ND               | ND              | ND          | ND              | ND          |
| Hexachlorocyclopentadiene   | ND               | ND               | ND              | ND          | ND              | ND          |
| 2,4,5-Trichlorophenol       | ND               | ND               | ND              | ND          | ND              | ND          |
| 2-Nitroaniline              | ND               | ND               | ND              | ND          | ND              | ND          |
| Isosafrole                  | ND               | ND               | ND              | ND          | ND              | ND          |
| 2-Chloronaphthalene         | ND               | ND               | ND              | ND          | ND              | ND          |
| 1,4-Naphthoquinone          | ND               | ND               | ND              | ND          | ND              | ND          |
| Dimethyl phthalate          | ND               | ND               | ND              | ND          | ND              | ND          |
| 1,3-Dinitrobenzene          | ND               | ND               | ND              | ND          | ND              | ND          |
| 2,6-Dinitrotoluene          | ND               | ND               | ND              | ND          | ND              | ND          |
| 3-Nitroaniline              | ND               | ND               | ND              | ND          | ND              | ND          |
| Acenaphthylene              | 4.49             | 0.02             | U               | 1.48        | 0.01            | U           |
| 2,4-Dinitrophenol           | ND               | ND               | ND              | ND          | ND              | ND          |
| 4-Nitrophenol               | ND               | ND               | ND              | ND          | ND              | ND          |
| Acenaphthene                | 186.90           | 0.87             | 114.60          | 0.54        | 2.37            | 0.01        |
| 2,4-Dinitrotoluene          | ND               | ND               | ND              | ND          | ND              | ND          |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                   | 22874                        |                         | 23039                        |                         | 23158                        |                         |
|-------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                     | ENG2430.D/2513.D             |                         | ENG2455.D/2468.D             |                         | ENG2460.D                    |                         |
| Date Sampled                  | 9/16/2001                    |                         | 9/22/2001                    |                         | 9/28/2001                    |                         |
| Date Analyzed                 | 10/2/2001                    |                         | 10/19/2001                   |                         | 10/19/2001                   |                         |
|                               | Actual Vol (m <sup>3</sup> ) | 215.0                   | Actual Vol (m <sup>3</sup> ) | 210.9                   | Actual Vol (m <sup>3</sup> ) | 237.3                   |
| Compound                      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| 2-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenzofuran                  | 101.41                       | 0.47                    | 70.45                        | 0.33                    | 1.93                         | 0.01                    |
| Pentachlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diethyl phthalate             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitroaniline                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluorene                      | 105.93                       | 0.49                    | 68.64                        | 0.33                    | 2.29                         | 0.01                    |
| 5-Nitro-o-toluidine           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diphenylamine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Azobenzene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenacetin                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diallate                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Aminobiphenyl               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pronamide                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloronitrobenzene       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenanthrene                  | 144.16                       | 0.67                    | 101.30                       | 0.48                    | 5.32                         | 0.02                    |
| Dinoseb                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Anthracene                    | 18.02                        | 0.08                    | 11.22                        | 0.05                    | U                            | ND                      |
| Carbazole                     | 5.87                         | 0.03                    | 4.09                         | 0.02                    | U                            | ND                      |
| Di-n-butyl phthalate          | 20.72                        | 0.10                    | 18.04                        | 0.09                    | 9.82                         | 0.04                    |
| Benzidine                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Isodrin                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluoranthene                  | 26.56                        | 0.12                    | 17.45                        | 0.08                    | 1.42                         | 0.01                    |
| Pyrene                        | 18.48                        | 0.09                    | 10.67                        | 0.05                    | 1.10                         | 0.005                   |
| 4-Dimethylaminoazobenzene     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Chlorobenzilate               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Butyl benzyl phthalate        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2-Acetylaminofluorene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3-Methylcholanthrene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)anthracene            | 2.19                         | 0.01                    | U                            | 1.14                    | 0.01                         | ND                      |
| Chrysene                      | 2.46                         | 0.01                    | U                            | 1.10                    | 0.01                         | ND                      |
| Di-n-octyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(b)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(k)fluoranthene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(a)pyrene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenz(a,h)anthracene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Benzo(g,h,i)perylene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 23228                        | 23377                         |                              | 23451                         |                              |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|
| <b>File I.D.</b>            | ENG2532.D                    | ENG2539.D/2596.D              |                              | ENG261.D                      |                              |
| <b>Date Sampled</b>         | 10/4/2001                    | 10/10/2001                    |                              | 10/16/2001                    |                              |
| <b>Date Analyzed</b>        | 11/28/2001                   | 11/28/2001                    |                              | 11/29/2001                    |                              |
|                             | Actual Vol (m <sup>3</sup> ) | 226.9                         | Actual Vol (m <sup>3</sup> ) | 220.0                         | Actual Vol (m <sup>3</sup> ) |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Pyridine                    | ND                           | ND                            | 7.92                         | 0.04                          | U                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            | ND                           |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Phenol                      | ND                           | ND                            | 753.47                       | 3.42                          | D                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            | ND                           |
| Aniline                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Dichlorobenzene         | 15.20                        | 0.07                          | 5.49                         | 0.02                          | U                            |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylphenol              | ND                           | ND                            | 95.54                        | 0.43                          | ND                           |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3&4-Methylphenol            | ND                           | ND                            | 267.92                       | 1.22                          | ND                           |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            | ND                           |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            | ND                           |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            | ND                           |
| Naphthalene                 | 167.45                       | 0.74                          | 6450.73                      | 29.32                         | D                            |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            | ND                           |
| Safrole                     | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Methylnaphthalene         | 46.41                        | 0.20                          | 762.32                       | 3.46                          | D                            |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            | ND                           |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthylene              | ND                           | ND                            | 13.90                        | 0.06                          | 1.01                         |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            | ND                           |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            | ND                           |
| Acenaphthene                | 7.71                         | 0.03                          | 269.47                       | 1.22                          | 11.99                        |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            | ND                           |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>            | 23228                        | 23377                         |                              |                               | 23451                        |                               |      |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------|
| <b>File I.D.</b>              | ENG2532.D                    | ENG2539.D/2596.D              |                              |                               | ENG261.D                     |                               |      |
| <b>Date Sampled</b>           | 10/4/2001                    | 10/10/2001                    |                              |                               | 10/16/2001                   |                               |      |
| <b>Date Analyzed</b>          | 11/28/2001                   | 11/28/2001                    |                              |                               | 11/29/2001                   |                               |      |
|                               | Actual Vol (m <sup>3</sup> ) | 226.9                         | Actual Vol (m <sup>3</sup> ) | 220.0                         | Actual Vol (m <sup>3</sup> ) | 238.6                         |      |
| <b>Compound</b>               | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |      |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenzofuran                  | 6.86                         | 0.03                          | U                            | 191.37                        | 0.87                         | 7.61                          | 0.03 |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluorene                      | 6.75                         | 0.03                          | U                            | 176.35                        | 0.80                         | 7.55                          | 0.03 |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Phenanthrene                  | 14.10                        | 0.06                          |                              | 244.84                        | 1.11                         | 13.61                         | 0.06 |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Anthracene                    | ND                           | ND                            | 32.37                        | 0.15                          | 0.98                         | 0.004                         | U    |
| Carbazole                     | ND                           | ND                            | 10.29                        | 0.05                          | U                            | ND                            | ND   |
| Di-n-butyl phthalate          | 20.11                        | 0.09                          |                              | 11.03                         | 0.05                         | U                             | ND   |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Fluoranthene                  | 4.28                         | 0.02                          | U                            | 47.66                         | 0.22                         | 2.57                          | 0.01 |
| Pyrene                        | 3.03                         | 0.01                          | U                            | 33.17                         | 0.15                         | 2.17                          | 0.01 |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(a)anthracene            | ND                           | ND                            | 3.48                         | 0.02                          | U                            | ND                            | ND   |
| Chrysene                      | ND                           | ND                            | 4.84                         | 0.02                          | U                            | ND                            | ND   |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(b)fluoranthene          | ND                           | ND                            | 1.79                         | 0.01                          | U                            | ND                            | ND   |
| Benzo(k)fluoranthene          | ND                           | ND                            | 0.83                         | 0.004                         | U                            | ND                            | ND   |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                 | 23571 - Field Blank          | 23572                        |                         | 23668                        |                         |
|-----------------------------|------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                   | ENG269.D                     | ENG2573.D/2597.D             |                         | ENG2576.D/2598.D             |                         |
| Date Sampled                | 10/22/2001                   | 10/22/2001                   |                         | 10/28/2001                   |                         |
| Date Analyzed               | 11/29/2001                   | 11/29/2001                   |                         | 11/29/2001                   |                         |
|                             | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | 200.7                   | Actual Vol (m <sup>3</sup> ) | 235.6                   |
| Compound                    | Final Conc (µg)              | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| N-Nitrosodimethylamine      | ND                           | ND                           | ND                      | ND                           | ND                      |
| Pyridine                    | ND                           | ND                           | ND                      | ND                           | ND                      |
| Ethyl methanesulfonate      | ND                           | ND                           | ND                      | ND                           | ND                      |
| 2-Picoline                  | ND                           | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosomethylethylamine   | ND                           | ND                           | ND                      | ND                           | ND                      |
| Methyl methanesulfonate     | ND                           | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodiethylamine       | ND                           | ND                           | ND                      | ND                           | ND                      |
| Phenol                      | ND                           | 312.46                       | 1.56                    | 355.81                       | 1.51                    |
| Pentachloroethane           | ND                           | ND                           | ND                      | ND                           | ND                      |
| bis (2-Chloroethyl)ether    | ND                           | ND                           | ND                      | ND                           | ND                      |
| Aniline                     | ND                           | ND                           | ND                      | ND                           | ND                      |
| 2-Chlorophenol              | ND                           | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dichlorobenzene         | ND                           | ND                           | ND                      | ND                           | ND                      |
| 1,4-Dichlorobenzene         | ND                           | 75.74                        | 0.38                    | 33.92                        | 0.14                    |
| Benzyl alcohol              | ND                           | ND                           | ND                      | ND                           | ND                      |
| 2-Methylphenol              | ND                           | 45.31                        | 0.23                    | 47.05                        | 0.20                    |
| 1,2-Dichlorobenzene         | ND                           | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroisopropyl)ether | ND                           | ND                           | ND                      | ND                           | ND                      |
| 3&4-Methylphenol            | ND                           | 107.63                       | 0.54                    | 126.08                       | 0.54                    |
| N-Nitrosopyrrolidine        | ND                           | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodipropylamine      | ND                           | ND                           | ND                      | ND                           | ND                      |
| o-Toluidine                 | ND                           | ND                           | ND                      | ND                           | ND                      |
| Hexachloroethane            | ND                           | ND                           | ND                      | ND                           | ND                      |
| Acetophenone                | ND                           | ND                           | ND                      | ND                           | ND                      |
| Nitrobenzene                | ND                           | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosopiperidine         | ND                           | ND                           | ND                      | ND                           | ND                      |
| Isophorone                  | ND                           | ND                           | ND                      | ND                           | ND                      |
| 2-Nitrophenol               | ND                           | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dimethylphenol          | ND                           | ND                           | ND                      | ND                           | ND                      |
| bis(2-Chloroethoxy)methane  | ND                           | ND                           | ND                      | ND                           | ND                      |
| 2,4-Dichlorophenol          | ND                           | ND                           | ND                      | ND                           | ND                      |
| 4-Chloroaniline             | ND                           | ND                           | ND                      | ND                           | ND                      |
| 1,2,4-Trichlorobenzene      | ND                           | ND                           | ND                      | ND                           | ND                      |
| Naphthalene                 | 14.77                        | U                            | 3896.24                 | 19.41                        | D                       |
| 2,6-Dichlorophenol          | ND                           | ND                           | ND                      | ND                           | ND                      |
| Hexachloropropene           | ND                           | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobutadiene         | ND                           | ND                           | ND                      | ND                           | ND                      |
| N-Nitrosodibutylamine       | ND                           | ND                           | ND                      | ND                           | ND                      |
| 4-Chloro-3-methylphenol     | ND                           | ND                           | ND                      | ND                           | ND                      |
| Safrole                     | ND                           | ND                           | ND                      | ND                           | ND                      |
| 2-Methylnaphthalene         | ND                           | 293.32                       | 1.46                    | 300.79                       | 1.28                    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                           | ND                      | ND                           | ND                      |
| 2,4,6-Trichlorophenol       | ND                           | ND                           | ND                      | ND                           | ND                      |
| Hexachlorocyclopentadiene   | ND                           | ND                           | ND                      | ND                           | ND                      |
| 2,4,5-Trichlorophenol       | ND                           | ND                           | ND                      | ND                           | ND                      |
| 2-Nitroaniline              | ND                           | ND                           | ND                      | ND                           | ND                      |
| Isosafrole                  | ND                           | ND                           | ND                      | ND                           | ND                      |
| 2-Chloronaphthalene         | ND                           | ND                           | ND                      | ND                           | ND                      |
| 1,4-Naphthoquinone          | ND                           | ND                           | ND                      | ND                           | ND                      |
| Dimethyl phthalate          | ND                           | ND                           | ND                      | ND                           | ND                      |
| 1,3-Dintrobenzene           | ND                           | ND                           | ND                      | ND                           | ND                      |
| 2,6-Dinitrotoluene          | ND                           | ND                           | ND                      | ND                           | ND                      |
| 3-Nitroaniline              | ND                           | ND                           | ND                      | ND                           | ND                      |
| Acenaphthylene              | ND                           | 7.00                         | 0.03                    | U                            | 6.56                    |
| 2,4-Dinitrophenol           | ND                           | ND                           | ND                      | ND                           | ND                      |
| 4-Nitrophenol               | ND                           | ND                           | ND                      | ND                           | ND                      |
| Acenaphthene                | ND                           | 31.94                        | 0.16                    | 48.42                        | 0.21                    |
| 2,4-Dinitrotoluene          | ND                           | ND                           | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                   | 23571 - Field Blank          | 23572                        | <th>23668</th> <td></td>      | 23668                        |                               |
|-------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| File I.D.                     | ENG269.D                     | ENG2573.D/2597.D             |                               | ENG2576.D/2598.D             |                               |
| Date Sampled                  | 10/22/2001                   | 10/22/2001                   |                               | 10/28/2001                   |                               |
| Date Analyzed                 | 11/29/2001                   | 11/29/2001                   |                               | 11/29/2001                   |                               |
|                               | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | 200.7                         | Actual Vol (m <sup>3</sup> ) | 235.6                         |
| <u>Compound</u>               | <u>Final Conc (µg)</u>       | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| 2-Naphthylamine               | ND                           | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                  | ND                           | 31.29                        | 0.16                          | 40.36                        | 0.17                          |
| Pentachlorobenzene            | ND                           | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine               | ND                           | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate             | ND                           | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                | ND                           | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                           | ND                            | ND                           | ND                            |
| Fluorene                      | ND                           | 28.73                        | 0.14                          | 32.93                        | 0.14                          |
| 5-Nitro-o-toluidine           | ND                           | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                 | ND                           | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                    | ND                           | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                    | ND                           | ND                           | ND                            | ND                           | ND                            |
| Diallate                      | ND                           | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene             | ND                           | ND                           | ND                            | ND                           | ND                            |
| Pronamide                     | ND                           | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol             | ND                           | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                           | ND                            | ND                           | ND                            |
| Phenanthenrene                | ND                           | 35.42                        | 0.18                          | 44.29                        | 0.19                          |
| Dinoseb                       | ND                           | ND                           | ND                            | ND                           | ND                            |
| Anthracene                    | ND                           | 3.20                         | 0.02                          | U                            | 5.30                          |
| Carbazole                     | ND                           | ND                           | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate          | ND                           | 13.94                        | 0.07                          | U                            | ND                            |
| Benzidine                     | ND                           | ND                           | ND                            | ND                           | ND                            |
| Isodrin                       | ND                           | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                  | ND                           | 7.07                         | 0.04                          | U                            | 15.53                         |
| Pyrene                        | ND                           | 4.39                         | 0.02                          | U                            | 12.50                         |
| 4-Dimethylaminoazobenzene     | ND                           | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate               | ND                           | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene            | ND                           | ND                           | ND                            | 1.84                         | 0.01                          |
| Chrysene                      | ND                           | ND                           | ND                            | 1.94                         | 0.01                          |
| Di-n-octyl phthalate          | ND                           | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene          | ND                           | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene          | ND                           | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                | ND                           | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 23853                        | <b>23940 - Field Blank</b>    |                              | 23941                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2632.D                    | ENG2650.D                     |                              | ENG2651.D                    |                               |
| <b>Date Sampled</b>         | 11/3/2001                    | 11/9/2001                     |                              | 11/9/2001                    |                               |
| <b>Date Analyzed</b>        | 12/12/2001                   | 12/13/2001                    |                              | 12/13/2001                   |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 225.9                         | Actual Vol (m <sup>3</sup> ) | Actual Vol (m <sup>3</sup> ) | 197.3                         |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                           | ND                            |
| Phenol                      | 22.65                        | 0.10                          | ND                           | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 25.93                        | 0.11                          | ND                           | ND                           | ND                            |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                           | ND                            |
| 3&4-Methylphenol            | ND                           | ND                            | ND                           | ND                           | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                           | ND                            |
| Naphthalene                 | 333.85                       | 1.48                          | ND                           | 384.31                       | 1.95                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Methylnaphthalene         | 79.15                        | 0.35                          | ND                           | 49.60                        | 0.25                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                           | ND                            |
| 1,3-Dintrobenzene           | ND                           | ND                            | ND                           | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                           | ND                            |
| Acenaphthylene              | 2.16                         | 0.01                          | U                            | ND                           | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                           | ND                            |
| Acenaphthene                | 14.88                        | 0.07                          | ND                           | 17.98                        | 0.09                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

|                      |                              |                     |                              |
|----------------------|------------------------------|---------------------|------------------------------|
| <b>Sample I.D.</b>   | 23853                        | 23940 - Field Blank | 23941                        |
| <b>File I.D.</b>     | ENG2632.D                    | ENG2650.D           | ENG2651.D                    |
| <b>Date Sampled</b>  | 11/3/2001                    | 11/9/2001           | 11/9/2001                    |
| <b>Date Analyzed</b> | 12/12/2001                   | 12/13/2001          | 12/13/2001                   |
|                      | Actual Vol (m <sup>3</sup> ) | 225.9               | Actual Vol (m <sup>3</sup> ) |
|                      |                              |                     | Actual Vol (m <sup>3</sup> ) |
|                      |                              |                     | 197.3                        |

| <b>Compound</b>               | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b> | <b>Final Conc (µg)</b> | <b>Final µg/m<sup>3</sup></b> |
|-------------------------------|------------------------|-------------------------------|------------------------|------------------------|-------------------------------|
| 2-Naphthylamine               | ND                     | ND                            | ND                     | ND                     | ND                            |
| Dibenzofuran                  | 11.67                  | 0.05                          | ND                     | 11.58                  | 0.06                          |
| Pentachlorobenzene            | ND                     | ND                            | ND                     | ND                     | ND                            |
| 1-Naphthylamine               | ND                     | ND                            | ND                     | ND                     | ND                            |
| Diethyl phthalate             | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Nitroaniline                | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                     | ND                            | ND                     | ND                     | ND                            |
| Fluorene                      | 10.31                  | 0.05                          | ND                     | ND                     | ND                            |
| 5-Nitro-o-toluidine           | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                     | ND                            | ND                     | ND                     | ND                            |
| Diphenylamine                 | ND                     | ND                            | ND                     | ND                     | ND                            |
| Azobenzene                    | ND                     | ND                            | ND                     | ND                     | ND                            |
| Phenacetin                    | ND                     | ND                            | ND                     | ND                     | ND                            |
| Diallate                      | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Bromophenyl phenyl ether    | ND                     | ND                            | ND                     | ND                     | ND                            |
| 4-Aminobiphenyl               | ND                     | ND                            | ND                     | ND                     | ND                            |
| Hexachlorobenzene             | ND                     | ND                            | ND                     | ND                     | ND                            |
| Pronamide                     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Pentachlorophenol             | ND                     | ND                            | ND                     | ND                     | ND                            |
| Pentachloronitrobenzene       | ND                     | ND                            | ND                     | ND                     | ND                            |
| Phenanthrene                  | 17.01                  | 0.08                          | ND                     | 19.44                  | 0.10                          |
| Dinoseb                       | ND                     | ND                            | ND                     | ND                     | ND                            |
| Anthracene                    | 1.23                   | 0.01                          | U                      | 2.55                   | 0.01                          |
| Carbazole                     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Di-n-butyl phthalate          | 14.31                  | 0.06                          | ND                     | ND                     | ND                            |
| Benzidine                     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Isodrin                       | ND                     | ND                            | ND                     | ND                     | ND                            |
| Fluoranthene                  | 3.71                   | 0.02                          | U                      | ND                     | ND                            |
| Pyrene                        | 3.15                   | 0.01                          | U                      | ND                     | ND                            |
| 4-Dimethylaminoazobenzene     | ND                     | ND                            | ND                     | ND                     | ND                            |
| Chlorobenzilate               | ND                     | ND                            | ND                     | ND                     | ND                            |
| 3,3'-Dimethylbenzidine        | ND                     | ND                            | ND                     | ND                     | ND                            |
| Butyl benzyl phthalate        | ND                     | ND                            | ND                     | ND                     | ND                            |
| 2-Acetylaminofluorene         | ND                     | ND                            | ND                     | ND                     | ND                            |
| 3-Methylcholanthrene          | ND                     | ND                            | ND                     | ND                     | ND                            |
| 3,3'-Dichlorobenzidine        | ND                     | ND                            | ND                     | ND                     | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(a)anthracene            | ND                     | ND                            | ND                     | ND                     | ND                            |
| Chrysene                      | ND                     | ND                            | ND                     | ND                     | ND                            |
| Di-n-octyl phthalate          | ND                     | ND                            | ND                     | ND                     | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(b)fluoranthene          | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(k)fluoranthene          | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(a)pyrene                | ND                     | ND                            | ND                     | ND                     | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                     | ND                            | ND                     | ND                     | ND                            |
| Dibenz(a,h)anthracene         | ND                     | ND                            | ND                     | ND                     | ND                            |
| Benzo(g,h,i)perylene          | ND                     | ND                            | ND                     | ND                     | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                 | 24038                        | 24167                   |                                     | 24236                   |                              |         |        |      |    |
|-----------------------------|------------------------------|-------------------------|-------------------------------------|-------------------------|------------------------------|---------|--------|------|----|
| File I.D.                   | ENG2661.D/28343.D            | ENG2682.D               | <th>ENG2710.D/2835.D</th> <td></td> | ENG2710.D/2835.D        |                              |         |        |      |    |
| Date Sampled                | 11/15/2001                   | 11/21/2001              |                                     | 11/27/2001              |                              |         |        |      |    |
| Date Analyzed               | 12/17/2001                   | 12/18/2001              |                                     | 1/10/2002               |                              |         |        |      |    |
|                             | Actual Vol (m <sup>3</sup> ) | 230.1                   | Actual Vol (m <sup>3</sup> )        | 191.8                   | Actual Vol (m <sup>3</sup> ) |         |        |      |    |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)                     | Final µg/m <sup>3</sup> | Final Conc (µg)              |         |        |      |    |
|                             |                              |                         |                                     |                         | Final µg/m <sup>3</sup>      |         |        |      |    |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| Pyridine                    | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| 2-Picoline                  | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| Methyl methanesulfonate     | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| Phenol                      | 203.75                       | 0.89                    | ND                                  | ND                      | 101.16                       |         |        |      |    |
| Pentachloroethane           | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| Aniline                     | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| 2-Chlorophenol              | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| 1,4-Dichlorobenzene         | 14.95                        | 0.06                    | 7.88                                | 0.04                    | U                            |         |        |      |    |
| Benzyl alcohol              | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| 2-Methylphenol              | 19.16                        | 0.08                    | 1.75                                | 0.01                    | U                            |         |        |      |    |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| 3&4-Methylphenol            | 64.76                        | 0.28                    | 4.39                                | 0.02                    | U                            |         |        |      |    |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| o-Toluidine                 | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| Hexachloroethane            | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| Acetophenone                | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| Nitrobenzene                | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| Isophorone                  | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| 2-Nitrophenol               | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| 4-Chloroaniline             | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                                  | ND                      | ND                           |         |        |      |    |
| Naphthalene                 | 2650.51                      | 11.52                   | D                                   | 464.26                  | 2.42                         | 4526.55 | 21.18  | D    |    |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| Hexachloropropene           | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| Hexachlorobutadiene         | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| Safrole                     | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| 2-Methylnaphthalene         | 253.45                       | 1.10                    |                                     | 58.04                   | 0.30                         | 586.44  | 2.74   |      |    |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| 2-Nitroaniline              | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| Isosafrole                  | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| Dimethyl phthalate          | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| 1,3-Dinitrobenzene          | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| 3-Nitroaniline              | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   |    |
| Acenaphthylene              | 10.23                        | 0.04                    |                                     | 1.77                    | 0.01                         | U       | 4.76   | 0.02 | U  |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   | ND |
| 4-Nitrophenol               | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   | ND |
| Acenaphthene                | 65.94                        | 0.29                    |                                     | 23.39                   | 0.12                         |         | 316.28 | 1.48 |    |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                                  | ND                      | ND                           | ND      | ND     | ND   | ND |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                   | 24038                        |                         | 24167                        |                         | 24236                        |                         |
|-------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|
| File I.D.                     | ENG2661.D/28343.D            |                         | ENG2682.D                    |                         | ENG2710.D/2835.D             |                         |
| Date Sampled                  | 11/15/2001                   |                         | 11/21/2001                   |                         | 11/27/2001                   |                         |
| Date Analyzed                 | 12/17/2001                   |                         | 12/18/2001                   |                         | 1/10/2002                    |                         |
|                               | Actual Vol (m <sup>3</sup> ) | 230.1                   | Actual Vol (m <sup>3</sup> ) | 191.8                   | Actual Vol (m <sup>3</sup> ) | 213.7                   |
| Compound                      | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |
| 2-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Dibenzofuran                  | 64.64                        | 0.28                    | 16.43                        | 0.09                    | 270.97                       | 1.27                    |
| Pentachlorobenzene            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 1-Naphthylamine               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diethyl phthalate             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Nitroaniline                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Fluorene                      | 51.84                        | 0.23                    | 13.91                        | 0.07                    | 266.69                       | 1.25                    |
| 5-Nitro-o-toluidine           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diphenylamine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Azobenzene                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenacetin                    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Diallate                      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Bromophenyl phenyl ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| 4-Aminobiphenyl               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Hexachlorobenzene             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pronamide                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachlorophenol             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Pentachloronitrobenzene       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Phenanthrene                  | 107.27                       | 0.47                    | 30.95                        | 0.16                    | 358.09                       | 1.68                    |
| Dinoseb                       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      |
| Anthracene                    | 8.99                         | 0.04                    | U                            | 3.55                    | 0.02                         | U                       |
| Carbazole                     | 3.57                         | 0.02                    | U                            | ND                      | ND                           | 28.62                   |
| Di-n-butyl phthalate          | 15.49                        | 0.07                    |                              | ND                      | ND                           | 12.80                   |
| Benzidine                     | ND                           | ND                      |                              | ND                      | ND                           | 0.06                    |
| Isodrin                       | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| Fluoranthene                  | 33.12                        | 0.14                    |                              | 13.77                   | 0.07                         | U                       |
| Pyrene                        | 31.39                        | 0.14                    |                              | 13.74                   | 0.07                         |                         |
| 4-Dimethylaminoazobenzene     | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| Chlorobenzilate               | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| 3,3'-Dimethylbenzidine        | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| Butyl benzyl phthalate        | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| 2-Acetylaminofluorene         | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| 3-Methylcholanthrene          | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| 3,3'-Dichlorobenzidine        | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                      |                              | ND                      | 0.68                         | 0.003                   |
| Benzo(a)anthracene            | 2.84                         | 0.01                    | U                            | 4.84                    | 0.03                         | U                       |
| Chrysene                      | 3.12                         | 0.01                    | U                            | 5.30                    | 0.03                         | U                       |
| Di-n-octyl phthalate          | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| Benzo(b)fluoranthene          | ND                           | ND                      |                              | 2.99                    | 0.02                         | U                       |
| Benzo(k)fluoranthene          | ND                           | ND                      |                              | 2.28                    | 0.01                         | U                       |
| Benzo(a)pyrene                | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| Dibenz(a,h)anthracene         | ND                           | ND                      |                              | ND                      | ND                           | ND                      |
| Benzo(g,h,i)perylene          | ND                           | ND                      |                              | ND                      | ND                           | ND                      |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                 | 24376                        | 24543                   |                              |                         | 24629                        |                         |        |
|-----------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|--------|
| File I.D.                   | ENG2727.D/2836.D             | ENG2753.D/2837.D        |                              |                         | ENG2765.D                    |                         |        |
| Date Sampled                | 12/3/2001                    | 12/9/2001               |                              |                         | 12/15/2001                   |                         |        |
| Date Analyzed               | 1/14/2002                    | 1/16/2002               |                              |                         | 1/16/2002                    |                         |        |
|                             | Actual Vol (m <sup>3</sup> ) | 196.6                   | Actual Vol (m <sup>3</sup> ) | 245.8                   | Actual Vol (m <sup>3</sup> ) | 184.3                   |        |
| Compound                    | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> | Final Conc (µg)              | Final µg/m <sup>3</sup> |        |
| N-Nitrosodimethylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Pyridine                    | ND                           | ND                      | 4.22                         | 0.02                    | U                            | ND                      | ND     |
| Ethyl methanesulfonate      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 2-Picoline                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| N-Nitrosomethylethylamine   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Methyl methanesulfonate     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| N-Nitrosodiethylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Phenol                      | 178.13                       | 0.91                    | 197.51                       | 0.80                    | 41.84                        | 0.23                    |        |
| Pentachloroethane           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| bis (2-Chloroethyl)ether    | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Aniline                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 2-Chlorophenol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 1,3-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 1,4-Dichlorobenzene         | 24.50                        | 0.12                    | 18.00                        | 0.07                    | 20.26                        | 0.11                    |        |
| Benzyl alcohol              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 2-Methylphenol              | 14.78                        | 0.08                    | 22.98                        | 0.09                    | ND                           | ND                      | ND     |
| 1,2-Dichlorobenzene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| bis(2-Chloroisopropyl)ether | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 3&4-Methylphenol            | 46.39                        | 0.24                    | 64.05                        | 0.26                    | 8.60                         | 0.05                    |        |
| N-Nitrosopyrrolidine        | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| N-Nitrosodipropylamine      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| o-Toluidine                 | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Hexachloroethane            | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Acetophenone                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Nitrobenzene                | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| N-Nitrosopiperidine         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Isophorone                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 2-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 2,4-Dimethylphenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| bis(2-Chloroethoxy)methane  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 2,4-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 4-Chloroaniline             | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 1,2,4-Trichlorobenzene      | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Naphthalene                 | 1186.28                      | 6.03                    | D                            | 1828.28                 | 7.44                         | D                       | 317.96 |
| 2,6-Dichlorophenol          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Hexachloropropene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Hexachlorobutadiene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| N-Nitrosodibutylamine       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 4-Chloro-3-methylphenol     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Safrole                     | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 2-Methylnaphthalene         | 153.95                       | 0.78                    | 138.72                       | 0.56                    | 46.10                        | 0.25                    |        |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 2,4,6-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Hexachlorocyclopentadiene   | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 2,4,5-Trichlorophenol       | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 2-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Isosafrole                  | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 2-Chloronaphthalene         | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 1,4-Naphthoquinone          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Dimethyl phthalate          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 1,3-Dintrobenzene           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 2,6-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 3-Nitroaniline              | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Acenaphthylene              | 5.99                         | 0.03                    | U                            | 4.23                    | 0.02                         | U                       | 2.22   |
| 2,4-Dinitrophenol           | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| 4-Nitrophenol               | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |
| Acenaphthene                | 44.55                        | 0.23                    |                              | 26.17                   | 0.11                         |                         | 4.24   |
| 2,4-Dinitrotoluene          | ND                           | ND                      | ND                           | ND                      | ND                           | ND                      | ND     |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <u>Sample I.D.</u>            | 24376                        | 24543                         |                              | 24629                         |                              |                               |
|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <u>File I.D.</u>              | ENG2727.D/2836.D             | ENG2753.D/2837.D              |                              | ENG2765.D                     |                              |                               |
| <u>Date Sampled</u>           | 12/3/2001                    | 12/9/2001                     |                              | 12/15/2001                    |                              |                               |
| <u>Date Analyzed</u>          | 1/14/2002                    | 1/16/2002                     |                              | 1/16/2002                     |                              |                               |
|                               | Actual Vol (m <sup>3</sup> ) | 196.6                         | Actual Vol (m <sup>3</sup> ) | 245.8                         | Actual Vol (m <sup>3</sup> ) | 184.3                         |
| <u>Compound</u>               | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> | <u>Final Conc (µg)</u>       | <u>Final µg/m<sup>3</sup></u> |
| 2-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenzofuran                  | 30.81                        | 0.16                          | 20.16                        | 0.08                          | 4.44                         | 0.02                          |
| Pentachlorobenzene            | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 1-Naphthylamine               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diethyl phthalate             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2,3,4,6-Tetrachlorophenol     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Nitroaniline                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Chlorophenyl-phenyl ether   | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluorene                      | 25.67                        | 0.13                          | 15.83                        | 0.06                          | 3.63                         | 0.02                          |
| 5-Nitro-o-toluidine           | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4,6-Dinitro-2-methylphenol    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diphenylamine                 | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Azobenzene                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenacetin                    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Diallate                      | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Bromophenyl phenyl ether    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 4-Aminobiphenyl               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobenzene             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pronamide                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachlorophenol             | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Pentachloronitrobenzene       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Phenanthenre                  | 44.12                        | 0.22                          | 17.38                        | 0.07                          | 5.74                         | 0.03                          |
| Dinoseb                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Anthracene                    | 6.42                         | 0.03                          | U                            | 2.18                          | 0.01                         | U                             |
| Carbazole                     | 2.46                         | 0.01                          | U                            | ND                            | ND                           | ND                            |
| Di-n-butyl phthalate          | 11.96                        | 0.06                          | U                            | 7.96                          | 0.03                         | U                             |
| Benzidine                     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Isodrin                       | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Fluoranthene                  | 16.57                        | 0.08                          | 3.79                         | 0.02                          | U                            | 1.21                          |
| Pyrene                        | 14.66                        | 0.07                          | 3.05                         | 0.01                          | U                            | 1.10                          |
| 4-Dimethylaminoazobenzene     | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Chlorobenzilate               | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dimethylbenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Butyl benzyl phthalate        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 2-Acetylaminofluorene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3-Methylcholanthrene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 3,3'-Dichlorobenzidine        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| bis(2-Ethylhexyl)phthalate    | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)anthracene            | 4.50                         | 0.02                          | U                            | ND                            | ND                           | ND                            |
| Chrysene                      | 4.30                         | 0.02                          | U                            | ND                            | ND                           | ND                            |
| Di-n-octyl phthalate          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| 7,12-Dimethylbenz(a)anthracen | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(b)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(k)fluoranthene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(a)pyrene                | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Indeno(1,2,3-cd)pyrene        | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Dibenz(a,h)anthracene         | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |
| Benzo(g,h,i)perylene          | ND                           | ND                            | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| <b>Sample I.D.</b>          | 24766                        |                               | 24957                        |                               |
|-----------------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| <b>File I.D.</b>            | ENG2781.D                    |                               | ENG2795.D                    |                               |
| <b>Date Sampled</b>         | 12/21/2001                   |                               | 12/27/2001                   |                               |
| <b>Date Analyzed</b>        | 1/17/2002                    |                               | 1/17/2002                    |                               |
|                             | Actual Vol (m <sup>3</sup> ) | 223.1                         | Actual Vol (m <sup>3</sup> ) | 212.1                         |
| <b>Compound</b>             | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> | <b>Final Conc (µg)</b>       | <b>Final µg/m<sup>3</sup></b> |
| N-Nitrosodimethylamine      | ND                           | ND                            | ND                           | ND                            |
| Pyridine                    | ND                           | ND                            | ND                           | ND                            |
| Ethyl methanesulfonate      | ND                           | ND                            | ND                           | ND                            |
| 2-Picoline                  | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosomethylethylamine   | ND                           | ND                            | ND                           | ND                            |
| Methyl methanesulfonate     | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodiethylamine       | ND                           | ND                            | ND                           | ND                            |
| Phenol                      | 26.84                        | 0.12                          | ND                           | ND                            |
| Pentachloroethane           | ND                           | ND                            | ND                           | ND                            |
| bis (2-Chloroethyl)ether    | ND                           | ND                            | ND                           | ND                            |
| Aniline                     | ND                           | ND                            | ND                           | ND                            |
| 2-Chlorophenol              | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            |
| 1,4-Dichlorobenzene         | 25.44                        | 0.11                          | 4.87                         | 0.02                          |
| Benzyl alcohol              | ND                           | ND                            | ND                           | ND                            |
| 2-Methylphenol              | ND                           | ND                            | ND                           | ND                            |
| 1,2-Dichlorobenzene         | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroisopropyl)ether | ND                           | ND                            | ND                           | ND                            |
| 3&4-Methylphenol            | 6.78                         | 0.03                          | U                            | ND                            |
| N-Nitrosopyrrolidine        | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodipropylamine      | ND                           | ND                            | ND                           | ND                            |
| o-Toluidine                 | ND                           | ND                            | ND                           | ND                            |
| Hexachloroethane            | ND                           | ND                            | ND                           | ND                            |
| Acetophenone                | ND                           | ND                            | ND                           | ND                            |
| Nitrobenzene                | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosopiperidine         | ND                           | ND                            | ND                           | ND                            |
| Isophorone                  | ND                           | ND                            | ND                           | ND                            |
| 2-Nitrophenol               | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dimethylphenol          | ND                           | ND                            | ND                           | ND                            |
| bis(2-Chloroethoxy)methane  | ND                           | ND                            | ND                           | ND                            |
| 2,4-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |
| 4-Chloroaniline             | ND                           | ND                            | ND                           | ND                            |
| 1,2,4-Trichlorobenzene      | ND                           | ND                            | ND                           | ND                            |
| Naphthalene                 | 165.69                       | 0.74                          | 125.05                       | 0.59                          |
| 2,6-Dichlorophenol          | ND                           | ND                            | ND                           | ND                            |
| Hexachloropropene           | ND                           | ND                            | ND                           | ND                            |
| Hexachlorobutadiene         | ND                           | ND                            | ND                           | ND                            |
| N-Nitrosodibutylamine       | ND                           | ND                            | ND                           | ND                            |
| 4-Chloro-3-methylphenol     | ND                           | ND                            | ND                           | ND                            |
| Safrole                     | ND                           | ND                            | ND                           | ND                            |
| 2-Methylnaphthalene         | 68.31                        | 0.31                          | 21.65                        | 0.10                          |
| 1,2,4,5-Tetrachlorobenzene  | ND                           | ND                            | ND                           | ND                            |
| 2,4,6-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            |
| Hexachlorocyclopentadiene   | ND                           | ND                            | ND                           | ND                            |
| 2,4,5-Trichlorophenol       | ND                           | ND                            | ND                           | ND                            |
| 2-Nitroaniline              | ND                           | ND                            | ND                           | ND                            |
| Isosafrole                  | ND                           | ND                            | ND                           | ND                            |
| 2-Chloronaphthalene         | ND                           | ND                            | ND                           | ND                            |
| 1,4-Naphthoquinone          | ND                           | ND                            | ND                           | ND                            |
| Dimethyl phthalate          | ND                           | ND                            | ND                           | ND                            |
| 1,3-Dinitrobenzene          | ND                           | ND                            | ND                           | ND                            |
| 2,6-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            |
| 3-Nitroaniline              | ND                           | ND                            | ND                           | ND                            |
| Acenaphthylene              | 2.82                         | 0.01                          | U                            | ND                            |
| 2,4-Dinitrophenol           | ND                           | ND                            | ND                           | ND                            |
| 4-Nitrophenol               | ND                           | ND                            | ND                           | ND                            |
| Acenaphthene                | 2.44                         | 0.01                          | U                            | 4.55                          |
| 2,4-Dinitrotoluene          | ND                           | ND                            | ND                           | ND                            |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

| Sample I.D.                    | 24766                  | File I.D.                     | ENG2781.D | Date Sampled | 12/21/2001             | Date Analyzed                 | 1/17/2002 | Actual Vol (m <sup>3</sup> ) | 223.1 | Actual Vol (m <sup>3</sup> ) | 212.1 |
|--------------------------------|------------------------|-------------------------------|-----------|--------------|------------------------|-------------------------------|-----------|------------------------------|-------|------------------------------|-------|
| <u>Compound</u>                | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> |           |              | <u>Final Conc (µg)</u> | <u>Final µg/m<sup>3</sup></u> |           |                              |       |                              |       |
| 2-Naphthylamine                | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Dibenzofuran                   | 2.81                   | 0.01                          | U         |              | 3.45                   | 0.02                          | U         |                              |       |                              |       |
| Pentachlorobenzene             | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| 1-Naphthylamine                | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Diethyl phthalate              | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| 2,3,4,6-Tetrachlorophenol      | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| 4-Nitroaniline                 | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| 4-Chlorophenyl-phenyl ether    | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Fluorene                       | 3.83                   | 0.02                          | U         |              | 2.78                   | 0.01                          | U         |                              |       |                              |       |
| 5-Nitro-o-toluidine            | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| 4,6-Dinitro-2-methylphenol     | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Diphenylamine                  | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Azobenzene                     | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Phenacetin                     | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Diallate                       | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| 4-Bromophenyl phenyl ether     | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| 4-Aminobiphenyl                | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Hexachlorobenzene              | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Pronamide                      | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Pentachlorophenol              | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Pentachloronitrobenzene        | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Phenanthren                    | 7.08                   | 0.03                          | U         |              | 7.51                   | 0.04                          | U         |                              |       |                              |       |
| Dinoseb                        | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Anthracene                     | 0.72                   | 0.003                         | U         |              | ND                     | ND                            |           |                              |       |                              |       |
| Carbazole                      | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Di-n-butyl phthalate           | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Benzidine                      | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Isodrin                        | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Fluoranthene                   | 2.47                   | 0.01                          | U         |              | 3.74                   | 0.02                          | U         |                              |       |                              |       |
| Pyrene                         | 2.78                   | 0.01                          | U         |              | 3.93                   | 0.02                          | U         |                              |       |                              |       |
| 4-Dimethylaminoazobenzene      | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Chlorobenzilate                | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| 3,3'-Dimethylbenzidine         | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Butyl benzyl phthalate         | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| 2-Acetylaminofluorene          | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| 3-Methylcholanthrene           | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| 3,3'-Dichlorobenzidine         | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| bis(2-Ethylhexyl)phthalate     | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Benzo(a)anthracene             | 1.20                   | 0.01                          | U         |              | 1.44                   | 0.01                          | U         |                              |       |                              |       |
| Chrysene                       | 1.21                   | 0.01                          | U         |              | 2.18                   | 0.01                          | U         |                              |       |                              |       |
| Di-n-octyl phthalate           | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| 7,12-Dimethylbenz(a)anthracene | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Benzo(b)fluoranthene           | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Benzo(k)fluoranthene           | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Benzo(a)pyrene                 | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Indeno(1,2,3-cd)pyrene         | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Dibenz(a,h)anthracene          | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |
| Benzo(g,h,i)perylene           | ND                     | ND                            |           |              | ND                     | ND                            |           |                              |       |                              |       |

D - Dilution

ND - Not Detected

U - Under Dectection Limit

**Appendix M**

**2001 Metals Raw Monitoring Data**

# Grand Junction, Colorado (GJCO) 2001 UATMP Metals Final Data Report

| Site ID<br>ERG ID<br>Sample Date | Limit of<br>Detection | GJCO<br>23497<br>5/7/01 | GJCO<br>23498<br>5/13/01 | GJCO<br>23499<br>5/19/01 | GJCO<br>23500<br>5/25/01 | GJCO<br>23501<br>5/31/01 | GJCO<br>23502<br>6/6/01 | GJCO<br>23503<br>6/12/01 |
|----------------------------------|-----------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|
| Unit                             | (ng/filter)           | (ng/filter)             | (ng/filter)              | (ng/filter)              | (ng/filter)              | (ng/filter)              | (ng/filter)             | (ng/filter)              |
| Antimony                         | 20                    | 1545                    | 700                      | 989                      | 1220                     | 1421                     | 1629                    | 814                      |
| Arsenic                          | 50                    | 1354                    | 1450                     | 1050                     | 1015                     | 1631                     | 3561                    | 1989                     |
| Beryllium                        | 15                    | 23.2                    | 61.6                     | 64.8                     | 67.7                     | 49.9                     | 50.6                    | 58.2                     |
| Cadmium                          | 25                    | 216                     | 167                      | 175                      | 150                      | 245                      | 167                     | 273                      |
| Chromium (total)                 | 50                    | 4027                    | 3157                     | 3526                     | 3181                     | 4472                     | 3920                    | 4208                     |
| Cobalt                           | 50                    | 401                     | 255                      | 115                      | 246                      | 358                      | 480                     | 605                      |
| Lead                             | 20                    | 7194                    | 6619                     | 6769                     | 6469                     | 6777                     | 12668                   | 12774                    |
| Manganese                        | 100                   | 25687                   | 22739                    | 14887                    | 24429                    | 29253                    | 26814                   | 41990                    |
| Nickel                           | 50                    | 2738                    | 2351                     | 2340                     | 2418                     | 3306                     | 2885                    | 3302                     |
| Selenium                         | 150                   | 1737                    | 2361                     | 2729                     | 631                      | 1121                     | 544                     | 440                      |
| Mercury                          | 0.2                   | ND                      | ND                       | ND                       | ND                       | ND                       | ND                      | ND                       |

U = Under Detection Limit

ND = Not Detected

# Grand Junction, Colorado (GJCO) 2001 UATMP Metals Final Data Report

| Site ID                 | GJCO<br>23504 | GJCO<br>23505 | GJCO<br>23506 | GJCO<br>23802 | GJCO<br>23803 | GJCO<br>23804 | GJCO<br>23805 | GJCO<br>23806 |
|-------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| ERG ID                  | 6/18/01       | 6/24/01       | 6/30/01       | 7/6/01        | 7/12/01       | 7/18/01       | 7/24/01       | 7/30/01       |
| Unit                    | (ng/filter)   |
| <b>Antimony</b>         | 1613          | 590           | 1333          | 1271          | 1006          | 1949          | 1293          | 885           |
| <b>Arsenic</b>          | 1668          | 1321          | 1046          | 1141          | 1102          | 1178          | 942           | 1501          |
| <b>Beryllium</b>        | 50.7          | 18.8 U        | 59.2          | 59.8          | 47.9          | 57.1          | 62.2          | 53.9          |
| <b>Cadmium</b>          | 150           | 126           | 125           | 148           | 119           | 147           | 153           | 280           |
| <b>Chromium (total)</b> | 3653          | 3160          | 3141          | 3447          | 4169          | 4144          | 3723          | 3736          |
| <b>Cobalt</b>           | 355           | 490           | 167           | 209           | 146           | 336           | 177           | 406           |
| <b>Lead</b>             | 7801          | 4460          | 8321          | 5886          | 4805          | 5901          | 4848          | 6846          |
| <b>Manganese</b>        | 30122         | 20542         | 18008         | 21521         | 17798         | 27745         | 19788         | 29613         |
| <b>Nickel</b>           | 2945          | 2261          | 2303          | 2498          | 2900          | 2988          | 2456          | 2846          |
| <b>Selenium</b>         | 675           | 2131          | 760           | 632           | 2417          | 2208          | 871           | 1376          |
| <b>Mercury</b>          | ND            |

U = Under Detection Limit

ND = Not Detected

# Grand Junction, Colorado (GJCO) 2001 UATMP Metals Final Data Report

| Site ID          | GJCO<br>23807 | GJCO<br>23808 | GJCO<br>23809 | Field Blank<br>23522 | GJCO<br>23810 | GJCO<br>23811 | GJCO<br>23812 | GJCO<br>23813 |
|------------------|---------------|---------------|---------------|----------------------|---------------|---------------|---------------|---------------|
| ERG ID           | 8/5/01        | 8/11/01       | 8/17/01       | 8/17/01              | 8/23/01       | 8/29/01       | 9/4/01        | 9/10/01       |
| Unit             | (ng/filter)   | (ng/filter)   | (ng/filter)   | (ng/filter)          | (ng/filter)   | (ng/filter)   | (ng/filter)   | (ng/filter)   |
| Antimony         | 428           | 1488          | 2720          | 174                  | 1392          | 1191          | 1014          | 1890          |
| Arsenic          | 785           | 1259          | 1412          | 132                  | 969           | 987           | 1113          | 1721          |
| Beryllium        | 43.1          | 41.2          | 50.3          | 42.4                 | 43.7          | 42.0          | 48.8          | 39.7          |
| Cadmium          | 102           | 177           | 257           | ND                   | 228           | 310           | 178           | 230           |
| Chromium (total) | 3195          | 3427          | 4057          | 1888                 | 3423          | 4371          | 3898          | 4287          |
| Cobalt           | 73.0          | 202           | 380           | 78.2                 | 146           | 382           | 376           | 501           |
| Lead             | 3630          | 5300          | 6684          | 59.6                 | 4117          | 4662          | 5249          | 6846          |
| Manganese        | 11912         | 17306         | 27768         | 231                  | 16178         | 26894         | 25822         | 32475         |
| Nickel           | 1967          | 2064          | 2810          | 1045                 | 2764          | 2976          | 2507          | 3012          |
| Selenium         | 1574          | 2156          | 2931          | ND                   | 2026          | 1049          | 510           | 677           |
| Mercury          | ND            | ND            | ND            | ND                   | ND            | ND            | ND            | ND            |

U = Under Detection Limit

ND = Not Detected

# Grand Junction, Colorado (GJCO) 2001 UATMP Metals Final Data Report

| Site ID          | GJCO<br>23814 | GJCO<br>VOID<br>9/22/01 | GJCO<br>23816<br>9/28/01 | GJCO<br>25919<br>10/4/01 | GJCO<br>25920<br>10/10/01 | GJCO<br>25921<br>10/16/01 | GJCO<br>25922<br>10/22/01 | GJCO<br>25923<br>10/28/01 |
|------------------|---------------|-------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Unit             | (ng/filter)   | (ng/filter)             | (ng/filter)              | (ng/filter)              | (ng/filter)               | (ng/filter)               | (ng/filter)               | (ng/filter)               |
| Antimony         | 850           |                         | 2549                     | 2490                     | 1550                      | 1740                      | 1310                      | 2330                      |
| Arsenic          | 926           |                         | 1802                     | 2206                     | 2608                      | 2057                      | 2545                      | 4263                      |
| Beryllium        | 80.9          |                         | 70.2                     | 66.4                     | 33.9                      | 39.5                      | 41.9                      | 51.7                      |
| Cadmium          | 258           |                         | 222                      | 865                      | 865                       | 530                       | 471                       | 942                       |
| Chromium (total) | 2973          |                         | 3594                     | 4000                     | 3940                      | 4030                      | 3450                      | 4120                      |
| Cobalt           | 156           |                         | 366                      | 776                      | 549                       | 634                       | 647                       | 796                       |
| Lead             | 3539          |                         | 7967                     | 7160                     | 6970                      | 6570                      | 4870                      | 14500                     |
| Manganese        | 17763         |                         | 31773                    | 42700                    | 23000                     | 31500                     | 30600                     | 38100                     |
| Nickel           | 2063          |                         | 2850                     | 4290                     | 3450                      | 4450                      | 3580                      | 4360                      |
| Selenium         | 1241          |                         | 411                      | ND                       | 1710                      | 712                       | 977                       | 1537                      |
| Mercury          | ND            |                         | ND                       | ND                       | ND                        | ND                        | ND                        | ND                        |

U = Under Detection Limit

ND = Not Detected

# Grand Junction, Colorado (GJCO) 2001 UATMP Metals Final Data Report

| Site ID          | GJCO<br>25924 | GJCO<br>25925 | GJCO<br>25926 | GJCO<br>25927 | GJCO<br>25928 | GJCO<br>25929 | Field Blank<br>25957 | GJCO<br>25930 |
|------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------------|---------------|
| ERG ID           | 11/3/01       | 11/9/01       | 11/18/01      | 11/21/01      | 11/27/01      | 12/3/01       | 12/3/01              | 12/9/01       |
| Unit             | (ng/filter)          | (ng/filter)   |
| Antimony         | 1570          | 2040          | 2390          | 2540          | 1330          | 1960          | ND                   | 1260          |
| Arsenic          | 2049          | 1387          | 1852          | 4247          | 1994          | 2608          | 1174                 | 2009          |
| Beryllium        | 26.7          | 38.2          | 36.8          | 58.5          | 24.0          | 40.5          | ND                   | 24.1          |
| Cadmium          | 608           | 322           | 608           | 1110          | 128           | 511           | ND                   | 340           |
| Chromium (total) | 3900          | 3780          | 3880          | 4590          | 3430          | 4000          | 2050                 | 3460          |
| Cobalt           | 542           | 448           | 553           | 906           | 443           | 582           | 91.0                 | 455           |
| Lead             | 1000          | 8180          | 6540          | 12300         | 4450          | 6190          | 405                  | 7010          |
| Manganese        | 27200         | 28700         | 25200         | 45700         | 16300         | 27600         | 275                  | 18100         |
| Nickel           | 3930          | 3400          | 3980          | 4790          | 3060          | 3660          | 1920                 | 3190          |
| Selenium         | 827           | 2025          | 410           | ND            | 293           | 2151          | ND                   | ND            |
| Mercury          | ND                   | ND            |

U = Under Detection Limit

ND = Not Detected

# Grand Junction, Colorado (GJCO) 2001 UATMP Metals Final Data Report

| Site ID          | GJCO<br>25931<br>12/15/01 | GJCO<br>25932<br>12/21/01 | GJCO<br>25933<br>12/27/01 |
|------------------|---------------------------|---------------------------|---------------------------|
| Unit             | (ng/filter)               | (ng/filter)               | (ng/filter)               |
| Antimony         | 924                       | 2580                      | 2460                      |
| Arsenic          | 1292                      | 3617                      | 3128                      |
| Beryllium        | ND                        | 19.3                      | 27.7                      |
| Cadmium          | 127                       | 553                       | 680                       |
| Chromium (total) | 2780                      | 3750                      | 4680                      |
| Cobalt           | 210                       | 515                       | 602                       |
| Lead             | 2950                      | 9190                      | 10300                     |
| Manganese        | 8350                      | 19000                     | 27800                     |
| Nickel           | 2450                      | 3350                      | 4020                      |
| Selenium         | 702                       | 859                       | ND                        |
| Mercury          | ND                        | ND                        | ND                        |

U = Under Detection Limit

ND = Not Detected

# Grand Junction, CO (GJCO) 2001 UATMP Metals Final Data Report

## (No Blank Correction)

| Site ID          | GJCO        |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ERG ID           | 23497       | 23498       | 23499       | 23500       | 23501       | 23502       | 23503       | 23504       | 23505       | 23506       |
| Sample Date      | 5/7/01      | 5/13/01     | 5/19/01     | 5/25/01     | 5/31/01     | 6/6/01      | 6/12/01     | 6/18/01     | 6/24/01     | 6/30/01     |
| Unit             | (ng/filter) |
| Antimony         | 1545        | 700         | 989         | 1220        | 1421        | 1629        | 814         | 1613        | 590         | 1333        |
| Arsenic          | 1354        | 1450        | 1050        | 1015        | 1631        | 3561        | 1989        | 1668        | 1321        | 1046        |
| Beryllium        | 23.2        | 61.6        | 64.8        | 67.7        | 49.9        | 50.6        | 58.2        | 50.7        | 18.8 U      | 59.2        |
| Cadmium          | 216         | 167         | 175         | 150         | 245         | 167         | 273         | 150         | 126         | 125         |
| Chromium (total) | 4027        | 3157        | 3526        | 3181        | 4472        | 3920        | 4208        | 3653        | 3160        | 3141        |
| Cobalt           | 401         | 255         | 115         | 246         | 358         | 480         | 605         | 355         | 490         | 167         |
| Lead             | 7194        | 6619        | 6769        | 6469        | 6777        | 12668       | 12774       | 7801        | 4460        | 8321        |
| Manganese        | 25687       | 22739       | 14887       | 24429       | 29253       | 26814       | 41990       | 30122       | 20542       | 18008       |
| Nickel           | 2738        | 2351        | 2340        | 2418        | 3306        | 2885        | 3302        | 2945        | 2261        | 2303        |
| Selenium         | 1737        | 2361        | 2729        | 631         | 1121        | 544         | 440         | 675         | 2131        | 760         |

U = Under Detection Limit  
 ND = Not Detected

# Grand Junction, CO (GJCO) 2001 UATMP Metals Final Data Report

## (No Blank Correction)

| Site ID          | GJCO        | GJCO FB     | GJCO        |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ERG ID           | 23802       | 23803       | 23804       | 23805       | 23806       | 23807       | 23808       | 23809       | 23522       | 23810       |
| Sample Date      | 7/6/01      | 7/12/01     | 7/18/01     | 7/24/01     | 7/30/01     | 8/5/01      | 8/11/01     | 8/17/01     | 8/17/01     | 8/23/01     |
| Unit             | (ng/filter) |
| Antimony         | 1271        | 1006        | 1949        | 1293        | 885         | 428         | 1488        | 2720        | 174         | 1392        |
| Arsenic          | 1141        | 1102        | 1178        | 942         | 1501        | 785         | 1259        | 1412        | 132         | 969         |
| Beryllium        | 59.8        | 47.9        | 57.1        | 62.2        | 53.9        | 43.1        | 41.2        | 50.3        | 42.4        | 43.7        |
| Cadmium          | 148         | 119         | 147         | 153         | 280         | 102         | 177         | 257         | ND          | 228         |
| Chromium (total) | 3447        | 4169        | 4144        | 3723        | 3736        | 3195        | 3427        | 4057        | 1888        | 3423        |
| Cobalt           | 209         | 146         | 336         | 177         | 406         | 73.0        | 202         | 380         | 78.2        | 146         |
| Lead             | 5886        | 4805        | 5901        | 4848        | 6846        | 3630        | 5300        | 6684        | 59.6        | 4117        |
| Manganese        | 21521       | 17798       | 27745       | 19788       | 29613       | 11912       | 17306       | 27768       | 231         | 16178       |
| Nickel           | 2498        | 2900        | 2988        | 2456        | 2846        | 1967        | 2064        | 2810        | 1045        | 2764        |
| Selenium         | 632         | 2417        | 2208        | 871         | 1376        | 1574        | 2156        | 2931        | ND          | 2026        |

U = Under Detection Limit

ND = Not Detected

# Grand Junction, CO (GJCO) 2001 UATMP Metals Final Data Report

## (No Blank Correction)

| Site ID                 | GJCO        | GJCO        | GJCO        | GJCO        | GJCO        | GJCO        |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ERG ID                  | 23811       | 23812       | 23813       | 23814       | 23815       | 23816       |
| Sample Date             | 8/29/01     | 9/4/01      | 9/10/01     | 9/16/01     | 9/22/01     | 9/28/01     |
| Unit                    | (ng/filter) | (ng/filter) | (ng/filter) | (ng/filter) | (ng/filter) | (ng/filter) |
| <b>Antimony</b>         | 1191        | 1014        | 1890        | 850         |             | 2549        |
| <b>Arsenic</b>          | 987         | 1113        | 1721        | 926         |             | 1802        |
| <b>Beryllium</b>        | 42          | 48.8        | 39.7        | 80.9        |             | 70.2        |
| <b>Cadmium</b>          | 310         | 178         | 230         | 258         |             | 222         |
| <b>Chromium (total)</b> | 4371        | 3898        | 4287        | 2973        |             | 3594        |
| <b>Cobalt</b>           | 382         | 376         | 501         | 156         |             | 366         |
| <b>Lead</b>             | 4662        | 5249        | 6846        | 3539        |             | 7967        |
| <b>Manganese</b>        | 26894       | 25822       | 32475       | 17763       |             | 31773       |
| <b>Nickel</b>           | 2976        | 2507        | 3012        | 2063        |             | 2850        |
| <b>Selenium</b>         | 1049        | 510         | 677         | 1241        |             | 411         |

U = Under Detection Limit

ND = Not Detected

# Grand Juction, Colorado (G2CO) 2001 UATMP Metals Final Data Report

| Site ID<br>ERG ID<br>Sample Date | Limit of<br>Detection | G2CO<br>23507<br>5/7/01 | G2CO D1<br>23508<br>5/13/01 | G2CO D2<br>23517<br>5/13/01 | G2CO<br>23509<br>5/19/01 | G2CO D1<br>23510<br>5/25/01 | G2CO D2<br>23518<br>5/25/01 | G2CO<br>23511<br>5/31/01 |
|----------------------------------|-----------------------|-------------------------|-----------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------|--------------------------|
| Unit                             | (ng/filter)           | (ng/filter)             | (ng/filter)                 | (ng/filter)                 | (ng/filter)              | (ng/filter)                 | (ng/filter)                 | (ng/filter)              |
| Antimony                         | 20                    | 824                     | 894                         | 1152                        | 396                      | 606                         | 759                         | 944                      |
| Arsenic                          | 50                    | 2705                    | 1882                        | 2035                        | 1351                     | 2284                        | 2594                        | 2235                     |
| Beryllium                        | 15                    | 16.4                    | 43.40                       | 52.6                        | 35.1                     | 33.2                        | 35.6                        | 31.6                     |
| Cadmium                          | 25                    | 1028                    | 206                         | 263                         | 207                      | 265                         | 365                         | 407                      |
| Chromium (total)                 | 50                    | 7297                    | 3753                        | 4122                        | 4248                     | 6422                        | 6996                        | 7051                     |
| Cobalt                           | 50                    | 1041                    | 363                         | 427                         | 307                      | 800                         | 987                         | 1124                     |
| Lead                             | 20                    | 11473                   | 7667                        | 9125                        | 5106                     | 9653                        | 11521                       | 9787                     |
| Manganese                        | 100                   | 94769                   | 34865                       | 42846                       | 29138                    | 87394                       | 101088                      | 87832                    |
| Nickel                           | 50                    | 7555                    | 2757                        | 3414                        | 3094                     | 6057                        | 6647                        | 6544                     |
| Selenium                         | 150                   | 1881                    | 2029                        | 2233                        | 2752                     | 1189                        | 872                         | 1131                     |
| Mercury                          | 0.3                   | ND                      | ND                          | ND                          | ND                       | ND                          | ND                          | ND                       |

U = Under Detection Limit

ND = Not Detected

# Grand Juction, Colorado (G2CO) 2001 UATMP Metals Final Data Report

| Site ID          | G2CO D1     | G2CO D2     | G2CO        | G2CO D1     | G2CO D2     | G2CO        | G2CO D1     | G2CO D2     |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ERG ID           | 23512       | 23519       | 23513       | 23514       | 23520       | 23515       | 23516       | 23521       |
| Sample Date      | 6/6/01      | 6/6/01      | 6/12/01     | 6/18/01     | 6/18/01     | 6/24/01     | 6/30/01     | 6/30/01     |
| Unit             | (ng/filter) |
| Antimony         | 848         | 930         | 1510        | 1222        | 415         | 1473        | 1420        | 1689        |
| Arsenic          | 2971        | 2886        | 3561        | 4263        | 1676        | 1381        | 4202        | 1542        |
| Beryllium        | ND          | ND          | 53.3        | ND          | 45.5        | 57.1        | 24.2        | 33.2        |
| Cadmium          | 509         | 571         | 396         | 802         | 185         | 139         | 910         | 144         |
| Chromium (total) | 10323       | 10717       | 7452        | 10165       | 4103        | 3832        | 9692        | 4292        |
| Cobalt           | 1137        | 1291.0      | 1342        | 1545        | 437         | 342.0       | 1474        | 457.0       |
| Lead             | 8802        | 9259        | 19448       | 18731       | 6312        | 9180        | 18408       | 9716        |
| Manganese        | 113456      | 123936      | 103392      | 135406      | 42053       | 38693       | 135598      | 42629       |
| Nickel           | 8904        | 9695        | 6531        | 11268       | 3132        | 4432        | 10480       | 5196        |
| Selenium         | 780         | 1094        | ND          | 1517        | 1644        | 1052        | 1365        | 1333        |
| Mercury          | ND          |

U = Under Detection Limit

ND = Not Detected

# Grand Juction, Colorado (G2CO) 2001 UATMP Metals Final Data Report

| Site ID          | G2CO        | G2CO D1     | G2CO D2     | G2CO        | G2CO D1     | G2CO D2     | G2CO        | G2CO D1     |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ERG ID           | 23817       | 23818       | 23819       | 23820       | 23821       | 23822       | 23823       | 23824       |
| Sample Date      | 7/6/01      | 7/12/01     | 7/12/01     | 7/18/01     | 7/24/01     | 7/24/01     | 7/30/01     | 8/5/01      |
| Unit             | (ng/filter) |
| Antimony         | 857         | 645         | 715         | 1196        | 837         | 1006        | 1093        | 249         |
| Arsenic          | 2904        | 2626        | 2563        | 3141        | 3603        | 3912        | 3383        | 913         |
| Beryllium        | 24.2        | 51.2        | 33.4        | 48.7        | 32.6        | 21.9        | 45.5        | 83.4        |
| Cadmium          | 299         | 278         | 377         | 614         | 380         | 491         | 667         | 120         |
| Chromium (total) | 10480       | 10480       | 11032       | 9220        | 13084       | 14342       | 8432        | 3880        |
| Cobalt           | 1110        | 687         | 768         | 1108.0      | 1520        | 1733        | 1256        | 50.8        |
| Lead             | 9198        | 6265        | 7357        | 8395        | 9299        | 9809        | 15273       | 3174        |
| Manganese        | 121414      | 77529       | 84685       | 114858      | 160470      | 184041      | 128505      | 16330       |
| Nickel           | 6389        | 7203        | 7267        | 7867        | 7860        | 8826        | 8038        | 3001        |
| Selenium         | 1251        | 2868        | 3483        | 1620        | 1424        | 1367        | 1095        | 2279        |
| Mercury          | ND          |

U = Under Detection Limit

ND = Not Detected

# Grand Juction, Colorado (G2CO) 2001 UATMP Metals Final Data Report

| Site ID          | G2CO D2     | G2CO        | Field Blank | G2CO D1     | G2CO D2     | G2CO        | Field Blank | G2CO D1     |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ERG ID           | 23825       | 23826       | 23522       | 23827       | 23828       | 23829       | 23830       | 23831       |
| Sample Date      | 8/5/01      | 8/11/01     | 8/17/01     | 8/17/01     | 8/17/01     | 8/23/01     | 8/29/01     | 8/29/01     |
| Unit             | (ng/filter) |
| Antimony         | 280         | 515         | 174         | 1919        | 2193        | 921         | 21.6        | 1355        |
| Arsenic          | 1460        | 1361        | 132         | 3546        | 3915        | 2318        | ND          | 3620        |
| Beryllium        | 31.1        | 62.3        | 42.4        | 31.6        | 26.5        | 27.1        | 22.2        | ND          |
| Cadmium          | 169         | 175         | ND          | 993         | 1255        | 293         | 26.0        | 636         |
| Chromium (total) | 3337        | 3067        | 1888        | 17021       | 18597       | 10559       | 2357        | 16548       |
| Cobalt           | 247         | 237         | 78.2        | 1249        | 1572        | 898         | ND          | 2505        |
| Lead             | 3886        | 4348        | 59.6        | 10803       | 9355        | 9251        | 122         | 8813        |
| Manganese        | 22368       | 26473       | 231         | 104249      | 127559      | 83864       | 395         | 130790      |
| Nickel           | 6693        | 3097        | 1045        | 7473        | 8983        | 9456        | 957         | 10559       |
| Selenium         | 2411        | 2647        | ND          | 3043        | 3574        | 2557        | ND          | 849         |
| Mercury          | ND          |

U = Under Detection Limit

ND = Not Detected

# Grand Juction, Colorado (G2CO) 2001 UATMP Metals Final Data Report

| Site ID          | G2CO D2     | G2CO        | G2CO        | G2CO        | G2CO D1     | G2CO D2     | G2CO        | G2CO D1     |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ERG ID           | 23832       | 23833       | 23834       | 23835       | 23836       | 23837       | 23838       | 25934       |
| Sample Date      | 8/29/01     | 9/4/01      | 9/10/01     | 9/16/01     | 9/22/01     | 9/22/01     | 9/28/01     | 10/4/01     |
| Unit             | (ng/filter) |
| Antimony         | 1688        | 2405        | 1307        | 542         | 729         | 695         | 1780        | 1020        |
| Arsenic          | 4958        | 2883        | 3301        | 927         | 2869        | 2739        | 3137        | 4318        |
| Beryllium        | ND          | ND          | 23.2        | 55.1        | 55.7        | 79.6        | 18.8        | 115         |
| Cadmium          | 950         | 1995        | 867         | 160         | 171         | 159         | 517         | 2800        |
| Chromium (total) | 20173       | 128444      | 11662       | 3608        | 3644        | 3560        | 8589        | 10600       |
| Cobalt           | 3453        | 1147        | 1804        | 51.3        | 340         | 566         | 921         | 2060        |
| Lead             | 12072       | 756353      | 14814       | 5409        | 7715        | 5472        | 8393        | 13900       |
| Manganese        | 189089      | 115703      | 106193      | 26741       | 32373       | 32636       | 98438       | 130000      |
| Nickel           | 13238       | 8668        | 9850        | 2460        | 2911        | 3093        | 6480        | 14600       |
| Selenium         | 1049        | 954         | 1054        | 1116        | 1316        | 1631        | 1255        | ND          |
| Mercury          | ND          | ND          | ND          | ND          | 1.81        | ND          | ND          | ND          |

U = Under Detection Limit

ND = Not Detected

# Grand Juction, Colorado (G2CO) 2001 UATMP Metals Final Data Report

| Site ID          | G2CO D2     | G2CO        | G2CO D1     | G2CO D2     | G2CO        | G2CO D1     | G2CO D2     | G2CO        |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ERG ID           | 25935       | 25936       | 25937       | 25938       | 25939       | 25940       | 25941       | 25942       |
| Sample Date      | 10/4/01     | 10/10/01    | 10/16/01    | 10/16/01    | 10/22/01    | 10/28/01    | 10/28/01    | 11/3/01     |
| Unit             | (ng/filter) |
| Antimony         | 990         | 550         | 857         | 1050        | 695         | 1260        | 1490        | 942         |
| Arsenic          | 5027        | 2994        | 3648        | 2703        | 3664        | 4121        | 5681        | 3136        |
| Beryllium        | 106         | 70.2        | 99.0        | 83.1        | 76.8        | 54.4        | 66.8        | 43.8        |
| Cadmium          | 2610        | 1290        | 1770        | 1810        | 1160        | 1180        | 1240        | 819         |
| Chromium (total) | 9820        | 6910        | 8920        | 7780        | 4280        | 4820        | 5620        | 3740        |
| Cobalt           | 1800        | 969         | 1430        | 1270        | 1090        | 851         | 1080        | 665         |
| Lead             | 13300       | 10900       | 11000       | 11400       | 7970        | 15000       | 18500       | 13100       |
| Manganese        | 122000      | 63200       | 96100       | 77500       | 59700       | 44900       | 55500       | 36700       |
| Nickel           | 14100       | 9500        | 14000       | 17500       | 4510        | 4740        | 5330        | 4110        |
| Selenium         | 474         | 1411        | 178         | 738         | 542         | 1237        | 1655        | 526         |
| Mercury          | ND          |

U = Under Detection Limit

ND = Not Detected

# Grand Juction, Colorado (G2CO) 2001 UATMP Metals Final Data Report

| Site ID          | G2CO D1     | G2CO D2     | G2CO        | Field Blank | G2CO        | G2CO        | G2CO D1     | G2CO D2     |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ERG ID           | 25943       | 25944       | 25945       | 25956       | 25946       | 25947       | 25948       | 25949       |
| Sample Date      | 11/9/01     | 11/9/01     | 11/15/01    | 11/21/01    | 11/21/01    | 11/27/01    | 12/3/01     | 12/3/01     |
| Unit             | (ng/filter) |
| Antimony         | 536         | 578         | 1140        | ND          | 1350        | 622         | 1280        | 1390        |
| Arsenic          | 2466        | 3310        | 4752        | 412         | 3404        | 3396        | 4295        | 4838        |
| Beryllium        | 40.7        | 44.8        | 79.6        | ND          | 86          | 102         | 111         | 119         |
| Cadmium          | 970         | 1310        | 1860        | 978         | 2070        | 1530        | 2750        | 3130        |
| Chromium (total) | 8460        | 10000       | 7280        | 2880        | 6390        | 4790        | 7210        | 7970        |
| Cobalt           | 687         | 843         | 1300        | 97.0        | 1550        | 1540        | 1610        | 1740        |
| Lead             | 4330        | 5950        | 12500       | 20800       | 18300       | 9150        | 20900       | 22900       |
| Manganese        | 41300       | 54200       | 79400       | 388         | 87200       | 91900       | 96500       | 104000      |
| Nickel           | 6090        | 6880        | 13200       | 2450        | 8480        | 5270        | 6870        | 7600        |
| Selenium         | 1568        | 2135        | 1568        | ND          | 1395        | 890         | 2246        | 2774        |
| Mercury          | ND          |

U = Under Detection Limit

ND = Not Detected

# Grand Juction, Colorado (G2CO) 2001 UATMP Metals Final Data Report

| Site ID          | G2CO        | G2CO D1     | G2CO D2     | G2CO        | G2CO D1     | G2CO D2     |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ERG ID           | 25950       | 25951       | 25952       | 25953       | 25954       | 25955       |
| Sample Date      | 12/9/01     | 12/15/01    | 12/15/01    | 12/21/01    | 12/27/01    | 12/27/01    |
| Unit             | (ng/filter) | (ng/filter) | (ng/filter) | (ng/filter) | (ng/filter) | (ng/filter) |
| Antimony         | 483         | 459         | 546         | 1350        | 1200        | 1240        |
| Arsenic          | 2656        | 2301        | 2206        | 4255        | 4232        | 4531        |
| Beryllium        | 27.6        | 14.5        | 16.4        | 54.4        | 84.6        | 96.9        |
| Cadmium          | 548         | 392         | 1620        | 1520        | 1960        | 2370        |
| Chromium (total) | 4550        | 3300        | 4050        | 5140        | 8720        | 10100       |
| Cobalt           | 504         | 342         | 479         | 1060        | 1500        | 1650        |
| Lead             | 8550        | 5330        | 7120        | 16300       | 15000       | 17100       |
| Manganese        | 26600       | 16200       | 19900       | 61200       | 94800       | 105000      |
| Nickel           | 4040        | 3500        | 3880        | 9840        | 12400       | 13400       |
| Selenium         | 237         | 883         | 1119        | ND          | 930         | 556         |
| Mercury          | ND          | ND          | ND          | ND          | ND          | ND          |

U = Under Detection Limit

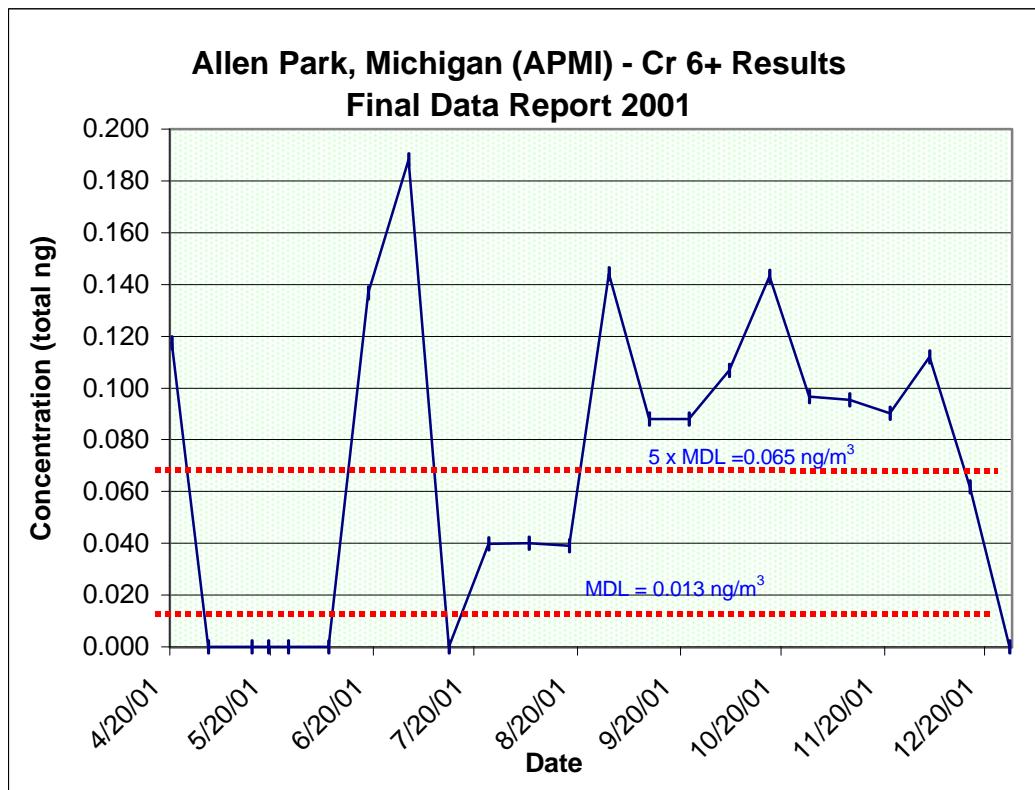
ND = Not Detected

**Appendix N**

**2001 Hexavalent Chromium Raw Monitoring Data**

**Allen Park, Michigan (APMI)**  
**Hexavalent Chromium Results**  
**(Final Data Report - 2001)**

| ERG ID            | Date     | Concentration<br>(total ng) | Concentration<br>(ng/m <sup>3</sup> ) |
|-------------------|----------|-----------------------------|---------------------------------------|
| 19913             | 4/20/01  | 1.53                        | 0.117                                 |
| 20009             | 5/1/01   | ND                          | ND                                    |
| 20176             | 5/14/01  | ND                          | ND                                    |
| 21331             | 5/19/01  | ND                          | ND                                    |
| 20311             | 5/25/01  | ND                          | ND                                    |
| 20554             | 6/6/01   | ND                          | ND                                    |
| 20927             | 6/18/01  | 1.78                        | 0.137                                 |
| 21331             | 6/30/01  | 2.45                        | 0.188                                 |
| 21513             | 7/12/01  | ND                          | ND                                    |
| 21758             | 7/24/01  | 0.518                       | 0.040                                 |
| 21967             | 8/5/01   | 0.522                       | 0.040                                 |
| 22206             | 8/17/01  | 0.507                       | 0.039                                 |
| 22605             | 8/29/01  | 1.88                        | 0.144                                 |
| 22779             | 9/10/01  | 1.14                        | 0.088                                 |
| 23022             | 9/22/01  | 1.14                        | 0.088                                 |
| 23214             | 10/4/01  | 1.39                        | 0.107                                 |
| 23443             | 10/16/01 | 1.86                        | 0.143                                 |
| 23658             | 10/28/01 | 1.26                        | 0.097                                 |
| 23933             | 11/9/01  | 1.24                        | 0.095                                 |
| 24154             | 11/21/01 | 1.17                        | 0.090                                 |
| 24367             | 12/3/01  | 1.45                        | 0.112                                 |
| 24624             | 12/15/01 | 0.805                       | 0.062                                 |
| 24935             | 12/27/01 | ND                          | ND                                    |
| 22205 Field Blank | 8/17/01  | ND                          | ND                                    |
| 24623 Field Blank | 12/15/01 | ND                          | ND                                    |



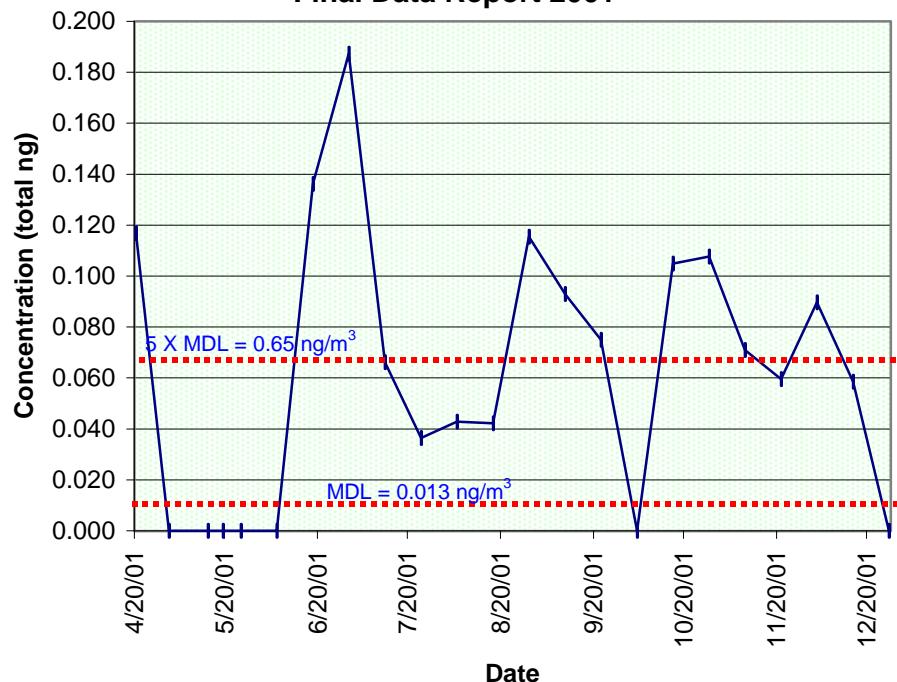
# Dearborn, Michigan (DEMI)

## Hexavalent Chromium Results

(Final Data Report - 2001)

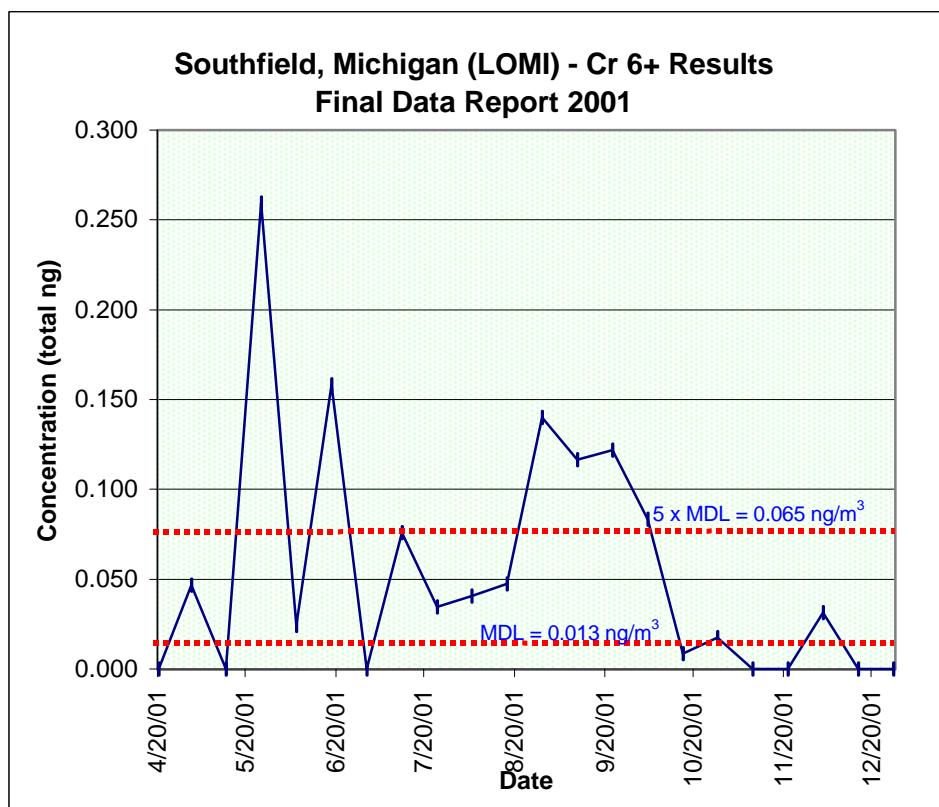
| ERG ID | Date     | Concentration<br>(total ng) | Concentration<br>(ng/m <sup>3</sup> ) |
|--------|----------|-----------------------------|---------------------------------------|
| 19913  | 4/20/01  | 1.53                        | 0.117                                 |
| 20009  | 5/1/01   | ND                          | ND                                    |
| 20176  | 5/14/01  | ND                          | ND                                    |
| 21331  | 5/19/01  | VOID                        | VOID                                  |
| 20311  | 5/25/01  | ND                          | ND                                    |
| 20554  | 6/6/01   | ND                          | ND                                    |
| 20927  | 6/18/01  | 1.78                        | 0.136                                 |
| 21331  | 6/30/01  | 2.45                        | 0.187                                 |
| 21511  | 7/12/01  | 0.864                       | 0.066                                 |
| 21762  | 7/24/01  | 0.476                       | 0.036                                 |
| 21968  | 8/5/01   | 0.560                       | 0.043                                 |
| 22207  | 8/17/01  | 0.551                       | 0.042                                 |
| 22606  | 8/29/01  | 1.51                        | 0.115                                 |
| 22776  | 9/10/01  | 1.21                        | 0.093                                 |
| 23024  | 9/22/01  | 0.980                       | 0.075                                 |
| 23213  | 10/4/01  | ND                          | ND                                    |
| 23444  | 10/16/01 | 1.37                        | 0.105                                 |
| 23657  | 10/28/01 | 1.41                        | 0.108                                 |
| 23934  | 11/9/01  | 0.926                       | 0.071                                 |
| 24153  | 11/21/01 | 0.778                       | 0.060                                 |
| 24370  | 12/3/01  | 1.17                        | 0.090                                 |
| 24628  | 12/15/01 | 0.764                       | 0.058                                 |
| 24936  | 12/27/01 | ND                          | ND                                    |

### Dearborn, Michigan (DEMI) - Cr 6+ Results Final Data Report 2001



**Southfield, Michigan (LOMI)**  
**Hexavalent Chromium Results**  
**(Final Data Report - 2001)**

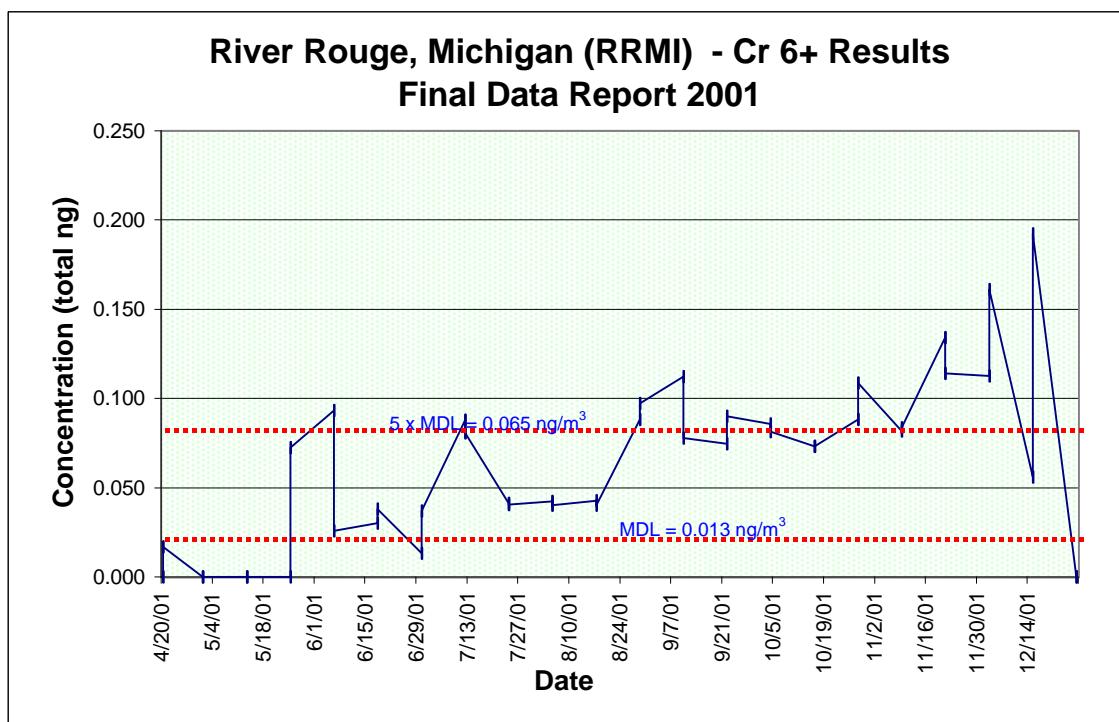
| ERG ID            | Date     | Concentration<br>(total ng) | Concentration<br>(ng/m <sup>3</sup> ) |
|-------------------|----------|-----------------------------|---------------------------------------|
| 19916             | 4/20/01  | ND                          | ND                                    |
| 20012             | 5/1/01   | 0.604                       | 0.047                                 |
| 20177             | 5/13/01  | ND                          | ND                                    |
| 20310             | 5/25/01  | 3.37                        | 0.259                                 |
| 20556             | 6/6/01   | 0.314                       | 0.024                                 |
| 20930             | 6/18/01  | 2.05                        | 0.158                                 |
| 21334             | 6/30/01  | ND                          | ND                                    |
| 21512             | 7/12/01  | 0.985                       | 0.076                                 |
| 21759             | 7/24/01  | 0.447                       | 0.034                                 |
| 21969             | 8/5/01   | 0.527                       | 0.041                                 |
| 22208             | 8/17/01  | 0.617                       | 0.048                                 |
| 22607             | 8/29/01  | 1.82                        | 0.140                                 |
| 22775             | 9/10/01  | 1.51                        | 0.116                                 |
| 23023             | 9/22/01  | 1.58                        | 0.122                                 |
| 23215             | 10/4/01  | 1.08                        | 0.083                                 |
| 23445             | 10/16/01 | 0.110                       | 0.008                                 |
| 23659             | 10/28/01 | 0.229                       | 0.018                                 |
| 23929             | 11/9/01  | ND                          | ND                                    |
| 24152             | 11/21/01 | ND                          | ND                                    |
| 24371             | 12/3/01  | 0.407                       | 0.031                                 |
| **(Wet filter)    | 24627    | ND                          | ND                                    |
|                   | 24934    | ND                          | ND                                    |
| 21333 Field Blank | 5/17/01  | 0.525                       | 0.040                                 |
| 22774 Field Blank | 9/10/01  | VOID                        | VOID                                  |
| 23930 Field Blank | 11/9/01  | 1.33                        | 0.102                                 |



**River Rouge, Michigan (RRMI)**  
**Hexavalent Chromium Results**  
**(Final Data Report - 2001)**

| Duplicate<br>Results | ERG ID            | Date     | Concentration<br>(total ng) | Concentration<br>(ng/m3) | % RPD  |
|----------------------|-------------------|----------|-----------------------------|--------------------------|--------|
|                      | 19917 D1          | 4/20/01  | ND                          | ND                       |        |
|                      | 19918 D2          | 4/20/01  | 0.218                       | 0.017                    | NA     |
|                      | 20010 D1          | 5/1/01   | ND                          | ND                       |        |
|                      | 20011 D2          | 5/1/01   | ND                          | ND                       | NA     |
|                      | 20174 D1          | 5/13/01  | ND                          | ND                       |        |
|                      | 20175 D2          | 5/13/01  | ND                          | ND                       | NA     |
|                      | 20312 D1          | 5/25/01  | ND                          | ND                       |        |
|                      | 20313 D2          | 5/25/01  | 0.942                       | 0.073                    | NA     |
|                      | 20558 D1          | 6/6/01   | 1.21                        | 0.093                    |        |
|                      | 20559 D2          | 6/6/01   | 0.335                       | 0.026                    | 72.32  |
|                      | 20928 D1          | 6/18/01  | 0.390                       | 0.030                    |        |
|                      | 20929 D2          | 6/18/01  | 0.496                       | 0.038                    | 26.99  |
|                      | 21335 D1          | 6/30/01  | 0.173                       | 0.013                    |        |
|                      | 21336 D2          | 6/30/01  | 0.478                       | 0.037                    | 177.17 |
|                      | 21509 D1          | 7/12/01  | 1.14                        | 0.088                    |        |
|                      | 21510 D2          | 7/12/01  | 1.05                        | 0.081                    | 8.28   |
|                      | 21760 D1          | 7/24/01  | 0.534                       | 0.041                    |        |
|                      | 21761 D2          | 7/24/01  | 0.526                       | 0.041                    | 1.54   |
|                      | 21970 D1          | 8/5/01   | 0.551                       | 0.042                    |        |
|                      | 21971 D2          | 8/5/01   | 0.521                       | 0.040                    | 5.45   |
|                      | 22209 D1          | 8/17/01  | 0.556                       | 0.043                    |        |
|                      | 22210 D2          | 8/17/01  | 0.520                       | 0.040                    | 6.48   |
|                      | 22608 D1          | 8/29/01  | 1.15                        | 0.088                    |        |
|                      | 22609 D2          | 8/29/01  | 1.26                        | 0.097                    | 9.88   |
|                      | 22777 D1          | 9/10/01  | 1.46                        | 0.112                    |        |
|                      | 22778 D2          | 9/10/01  | 1.01                        | 0.078                    | 30.54  |
|                      | 23020 D1          | 9/22/01  | 0.971                       | 0.075                    |        |
|                      | 23021D2           | 9/22/01  | 1.17                        | 0.090                    | 20.48  |
|                      | 23211 D1          | 10/4/01  | 1.11                        | 0.086                    |        |
|                      | 23212 D2          | 10/4/01  | 1.06                        | 0.081                    | 4.99   |
|                      | 23441 D1          | 10/16/01 | 0.951                       | 0.073                    |        |
|                      | 23442 D2          | 10/16/01 | 0.951                       | 0.073                    | 0.00   |
|                      | 23660 D1          | 10/28/01 | 1.15                        | 0.088                    |        |
|                      | 23661 D2          | 10/28/01 | 1.41                        | 0.109                    | 22.91  |
|                      | 23931 D1          | 11/9/01  | 1.06                        | 0.082                    |        |
|                      | 23932 D2          | 11/9/01  | 1.08                        | 0.083                    | 2.12   |
|                      | 24155 D1          | 11/21/01 | 1.74                        | 0.134                    |        |
|                      | 24156 D2          | 11/21/01 | 1.48                        | 0.114                    | 14.83  |
|                      | 24368 D1          | 12/3/01  | 1.46                        | 0.113                    |        |
|                      | 24369 D2          | 12/3/01  | 2.09                        | 0.161                    | 42.95  |
|                      | 24625 D1          | 12/15/01 | 0.725                       | 0.056                    |        |
| **(Wet filter)       | 24626 D2          | 12/15/01 | 2.50                        | 0.192                    | 244.72 |
|                      | 24932 D1          | 12/27/01 | ND                          | ND                       |        |
|                      | 24933 D2          | 12/27/01 | ND                          | ND                       | NA     |
|                      | 22225 Field Blank | 8/17/01  | ND                          | ND                       |        |

**River Rouge, Michigan (RRMI)**  
**Hexavalent Chromium Results**  
**(Final Data Report - 2001)**

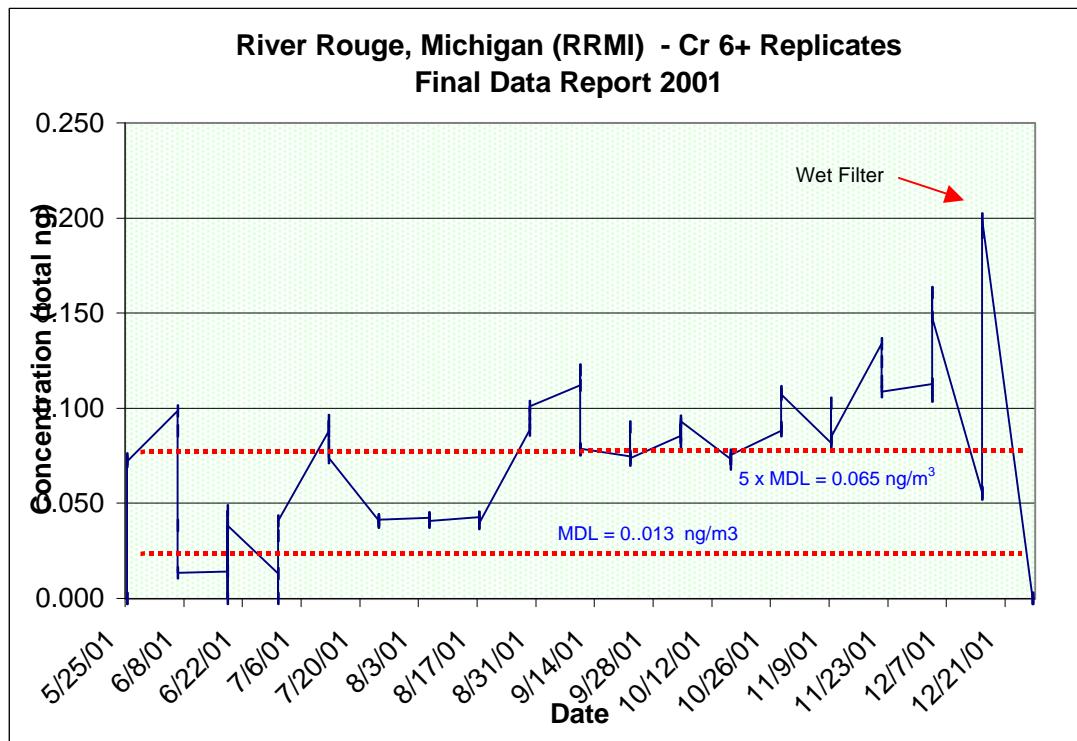


**River Rouge, Michigan (RRMI)**  
**Hexavalent Chromium Results**  
**(Final Data Report - 2001)**

| Replicate<br>Results | ERG ID   | Date    | Concentration<br>(total ng) | Concentration<br>(ng/m3) | % RPD  |
|----------------------|----------|---------|-----------------------------|--------------------------|--------|
|                      | 20312 D1 | 5/25/01 | ND                          | ND                       |        |
|                      | 20312 R1 | 5/25/01 | ND                          | ND                       | NA     |
|                      | 20313 D2 | 5/25/01 | 0.951                       | 0.073                    |        |
|                      | 20313 R2 | 5/25/01 | 0.934                       | 0.072                    | 1.81   |
|                      | 20558 D1 | 6/6/01  | 1.28                        | 0.098                    |        |
|                      | 20558 R1 | 6/6/01  | 1.14                        | 0.088                    | 10.45  |
|                      | 20559 D2 | 6/6/01  | 0.496                       | 0.038                    |        |
|                      | 20559 R2 | 6/6/01  | 0.175                       | 0.013                    | 64.75  |
|                      | 20928 D1 | 6/18/01 | 0.185                       | 0.014                    |        |
|                      | 20928 R1 | 6/18/01 | 0.596                       | 0.046                    | 223.17 |
|                      | 20929 D2 | 6/18/01 | ND                          | ND                       |        |
|                      | 20929 R2 | 6/18/01 | 0.496                       | 0.038                    | NA     |
|                      | 21335 D1 | 6/30/01 | 0.173                       | 0.013                    |        |
|                      | 21335 R1 | 6/30/01 | ND                          | ND                       | NA     |
|                      | 21336 D2 | 6/30/01 | 0.430                       | 0.033                    |        |
|                      | 21336 R2 | 6/30/01 | 0.527                       | 0.041                    | 22.51  |
|                      | 21509 D1 | 7/12/01 | 1.14                        | 0.088                    |        |
|                      | 21509 R1 | 7/12/01 | 1.21                        | 0.093                    | 6.24   |
|                      | 21510 D2 | 7/12/01 | 1.05                        | 0.081                    |        |
|                      | 21510 R2 | 7/12/01 | 0.963                       | 0.074                    | 8.02   |
|                      | 21760 D1 | 7/24/01 | 0.534                       | 0.041                    |        |
|                      | 21760 R1 | 7/24/01 | 0.518                       | 0.040                    | 2.95   |
|                      | 21761 D2 | 7/24/01 | 0.526                       | 0.041                    |        |
|                      | 21761 R2 | 7/24/01 | 0.536                       | 0.041                    | 2.00   |
|                      | 21970 D1 | 8/5/01  | 0.551                       | 0.042                    |        |
|                      | 21970 R1 | 8/5/01  | 0.544                       | 0.042                    | 1.23   |
|                      | 21971 D2 | 8/5/01  | 0.521                       | 0.040                    |        |
|                      | 21971 R2 | 8/5/01  | 0.527                       | 0.041                    | 1.30   |
|                      | 22209 D1 | 8/17/01 | 0.556                       | 0.043                    |        |
|                      | 22209 R1 | 8/17/01 | 0.548                       | 0.042                    | 1.35   |
|                      | 22210 D2 | 8/17/01 | 0.520                       | 0.040                    |        |
|                      | 22210 R2 | 8/17/01 | 0.510                       | 0.039                    | 1.88   |
|                      | 22608 D1 | 8/29/01 | 1.15                        | 0.088                    |        |
|                      | 22608 R1 | 8/29/01 | 1.20                        | 0.092                    | 4.51   |
|                      | 22609 D2 | 8/29/01 | 1.26                        | 0.097                    |        |
|                      | 22609 R2 | 8/29/01 | 1.31                        | 0.101                    | 3.99   |
|                      | 22777 D1 | 9/10/01 | 1.46                        | 0.112                    |        |
|                      | 22777 R1 | 9/10/01 | 1.56                        | 0.120                    | 7.05   |
|                      | 22778 D2 | 9/10/01 | 1.01                        | 0.078                    |        |
|                      | 22778 R2 | 9/10/01 | 1.02                        | 0.079                    | 1.04   |
|                      | 23020 D1 | 9/22/01 | 0.971                       | 0.075                    |        |
|                      | 23020 R1 | 9/22/01 | 0.942                       | 0.073                    | 2.94   |
|                      | 23021D2  | 9/22/01 | 1.17                        | 0.090                    |        |
|                      | 23021R2  | 9/22/01 | 0.956                       | 0.074                    | 18.28  |
|                      | 23211 D1 | 10/4/01 | 1.11                        | 0.086                    |        |
|                      | 23211 R1 | 10/4/01 | 1.19                        | 0.092                    | 7.22   |

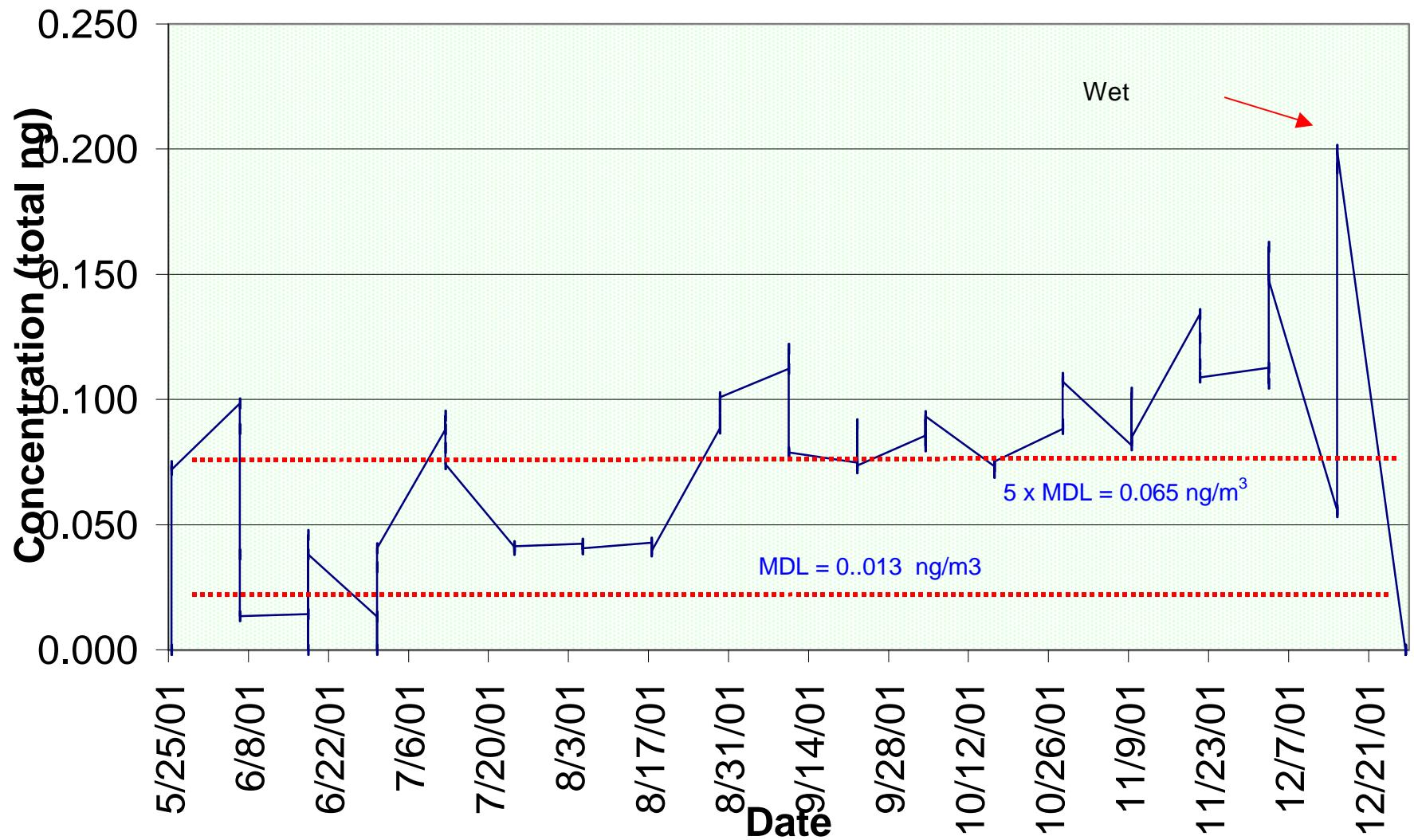
**River Rouge, Michigan (RRMI)**  
**Hexavalent Chromium Results**  
**(Final Data Report - 2001)**

|                |          |          |       |       |
|----------------|----------|----------|-------|-------|
| 23212 D2       | 10/4/01  | 1.06     | 0.081 |       |
| 23212 R2       | 10/4/01  | 1.21     | 0.093 | 14.63 |
| 23441 D1       | 10/16/01 | 0.951    | 0.073 |       |
| 23441 R1       | 10/16/01 | 0.919    | 0.071 | 3.39  |
| 23442 D2       | 10/16/01 | 0.951    | 0.073 |       |
| 23442 R2       | 10/16/01 | 0.977    | 0.075 | 2.68  |
| 23660 D1       | 10/28/01 | 1.15     | 0.088 |       |
| 23660 R1       | 10/28/01 | 1.17     | 0.090 | 1.90  |
| 23661 D2       | 10/28/01 | 1.41     | 0.109 |       |
| 23661 R2       | 10/28/01 | 1.39     | 0.107 | 1.17  |
| 23931 D1       | 11/9/01  | 1.06     | 0.082 |       |
| 23931 R1       | 11/9/01  | 1.33     | 0.103 | 25.51 |
| 23932 D2       | 11/9/01  | 1.08     | 0.083 |       |
| 23932 R2       | 11/9/01  | 1.10     | 0.085 | 1.59  |
| 24155 D1       | 11/21/01 | 1.74     | 0.134 |       |
| 24155 R1       | 11/21/01 | 1.62     | 0.125 | 7.11  |
| 24156 D2       | 11/21/01 | 1.48     | 0.114 |       |
| 24156 R2       | 11/21/01 | 1.41     | 0.109 | 4.76  |
| 24368 D1       | 12/3/01  | 1.46     | 0.113 |       |
| 24368 R1       | 12/3/01  | 1.38     | 0.106 | 5.59  |
| 24369 D2       | 12/3/01  | 2.09     | 0.161 |       |
| 24369 R2       | 12/3/01  | 1.92     | 0.148 | 8.18  |
| 24625 D1       | 12/15/01 | 0.725    | 0.056 |       |
| 24625 R1       | 12/15/01 | 0.714    | 0.055 | 1.45  |
| **(Wet filter) | 24626 D2 | 12/15/01 | 2.50  | 0.192 |
| **(Wet filter) | 24626 R2 | 12/15/01 | 2.59  | 0.200 |
|                | 24932 D1 | 12/27/01 | ND    | ND    |
|                | 24932 R1 | 12/27/01 | ND    | ND    |
|                | 24933 D2 | 12/27/01 | ND    | NA    |
|                | 24933 R2 | 12/27/01 | ND    | NA    |



# River Rouge, Michigan (RRMI) - Cr 6+ Replicates

## Final Data Report 2001



## TECHNICAL REPORT DATA

*(Please read Instructions on reverse before completing)*

|  |  |  |
|--|--|--|
| 1. REPORT NO.<br>EPA-454/R-02-010  | 2.   | 3. RECIPIENT'S ACCESSION NO.                         |
| 4. TITLE AND SUBTITLE<br><br>2001 Urban Air Toxics Monitoring Program (UATMP)  |  | 5. REPORT DATE<br>November 2002                      |
|  |  | 6. PERFORMING ORGANIZATION CODE<br>OAQPS-EMAD-MQAG   |
| 7. AUTHOR(S)<br>Eastern Research Group<br>1600 Perimeter Park<br>Morrisville NC 27560-8421   |  | 8. PERFORMING ORGANIZATION REPORT NO.                |
| 9. PERFORMING ORGANIZATION NAME AND ADDRESS<br><br>Office of Air Quality Planning and Standards<br>Emissions, Monitoring and Analysis Division<br>U.S. Environmental Protection Agency<br>Research Triangle Park, NC 27711 |  | 10. PROGRAM ELEMENT NO.                              |
|  |  | 11. CONTRACT/GRANT NO.<br><br>68-D-99-007            |
| 12. SPONSORING AGENCY NAME AND ADDRESS<br><br>Director<br>Office of Air Quality Planning and Standards<br>Office of Air and Radiation<br>U.S. Environmental Protection Agency<br>Research Triangle Park, NC 27711          |  | 13. TYPE OF REPORT AND PERIOD COVERED<br>Annual 2002 |
|  |  | 14. SPONSORING AGENCY CODE<br>EPA/200/04             |
| 15. SUPPLEMENTARY NOTES  |  |  |
| 16. ABSTRACT<br><br>Reporting data results for the Urban Air Toxics Monitoring Program (UATMP) for 2001.   |  |  |
| 17. KEY WORDS AND DOCUMENT ANALYSIS  |  |  |
| a. DESCRIPTORS<br><br>Carbonyls, SNMOC, VOC, Semivolatiles,<br>Dioxins, Metals, Hexavalent Chromium<br>Analysis and Monitoring.  | b. IDENTIFIERS/OPEN ENDED TERMS<br><br>Air Pollution control | c. COSATI Field/Group                                |
| 18. DISTRIBUTION STATEMENT<br><br>Release Unlimited  |  | 19. SECURITY CLASS <i>(Report)</i><br>Unclassified   |
|  |  | 20. SECURITY CLASS <i>(Page)</i><br>Unclassified     |
|  |  | 21. NO. OF PAGES                                     |
|  |  | 22. PRICE  |

---

United States  
Environmental Protection  
Agency

Office of Air Quality Planning and Standards  
Air Quality Strategies and Standards Division  
Research Triangle Park, NC

Publication No. EPA 454/R-02-010  
November 2002

---