

## **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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	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.

\*\* - 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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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

# 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



# 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

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

*(µg/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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	VOID	F1KE074	F1KH049	F1KL031	F1KL036	F1KT008	F1KZ014	F1K!031
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	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	ND	ND	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 #	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	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.004	ND	ND	0.002	ND	ND	ND	0.007	0.003
Tolualdehydes	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	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	F1K1030	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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 diuted 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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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 diuted 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	F1K1015	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 diuted 10X due to high moisture content in cartridge.

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

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

u - Concentration below detection limit

\* - Sample was diuted 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/Isobutyraldehyde	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

# 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	ND	ND	ND	ND	ND	ND	ND
Valeraldehyde	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Tolualdehydes	0.03	0.06	0.03	0.02	ND	0.004	0.004	0.005	0.01
Hexaldehyde	0.07	ND	ND	ND	ND	ND	ND	ND	ND
2,5-Dimethylbenzaldehyde	ND	0.04	0.03	ND	ND	ND	ND	ND	ND

# 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

# 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	ND	0.02	ND	0.04	ND

u - Concentration is below detection limit.

# 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	Q1FI019	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	



# 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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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

# 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	F11~043	Q11Z040	Q11Z051	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.

# 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

# 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	F1K1011	F1LC010	F1LC015	F1LG006	F1LK030	Q1LL007	F2AG010
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND

## 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

# 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	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
Valeraldehyde	ND	ND	ND	0.000	0.003	0.004	0.001	ND	ND	ND
Tolualdehydes	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	F1K1028	F1LC008	F1LG015	Q1LL024	Q1LL025	Q1LL026	Q1LL027
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	ND	ND	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 #	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	ND	ND	ND	ND	ND	ND
Crotonaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

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

Data File ID	F11~040	Q11Z030	Q1JX026	F1KE015	F1KH054	F1KZ026	Q2AJ013
FB ID	22535 FB	22654 FB	22961 FB	23336 FB	23582 FB	23911 FB	24639 FB
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	ND	ND	ND	ND	ND	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	Q1F1015	Q1GK016	Q1GR017	Q1G-008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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

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

Data File ID	Q1KZ005	Q1LL005	F2AG055	F2AN030
FB ID	23917 FB	24304 FB	24470 FB	24607 FB
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

# 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

# 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

# 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	Q1F!016	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

# 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



# 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	ND	ND	ND	ND	ND	ND
Crotonaldehyde	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	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	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	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 #	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	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	0.01
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	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	0.04	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	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 #	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	Q1F1009	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	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 #	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	0.02	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	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 #	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	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	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	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	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 #	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	0.19	0.10	0.28	0.04
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	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 #	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	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	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	0.07	0.005	0.11	0.13	0.09
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	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 #	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	Q1IZ011	F1I#012	Q1IZ055
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	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	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	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 #	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	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	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	0.07	0.06	0.73	2.98	0.91
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	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 #	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
Formaldehyde	0.04	0.09	0.03	0.01	0.01	0.03	0.01	0.03	0.03
Acetaldehyde	0.03	0.11	0.09	0.11	0.09	0.07	0.10	0.02	0.03
Acetone	0.12	0.35	0.10	0.10	0.08	0.11	0.12	0.11	0.10
Propionaldehyde	ND	0.02	0.00	ND	ND	0.01	0.00	ND	ND
Crotonaldehyde	ND	ND	0.00	ND	ND	ND	ND	ND	ND
Butyraldehyde	ND	0.00	ND	0.01	0.02	0.01	ND	ND	ND
Benzaldehyde	0.02	0.01	0.01	0.03	0.00	ND	0.04	ND	ND
Isovaleraldehyde	ND	0.01	ND	0.01	ND	ND	ND	ND	ND
Valeraldehyde	ND	ND	ND	ND	0.001	0.006	0.004	ND	ND
Tolualdehydes	0.04	ND	ND	ND	ND	ND	ND	ND	ND
Hexaldehyde	0.04	0.06	ND	0.02	0.03	0.05	0.05	0.00	ND
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	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
Formaldehyde	0.05	0.04	0.02	0.01	0.04	0.03	0.06	0.04	0.02
Acetaldehyde	0.06	0.06	0.13	0.05	0.09	0.11	0.10	0.15	0.01
Acetone	0.24	0.20	0.18	0.11	0.14	0.13	0.30	0.28	0.23
Propionaldehyde	ND	ND	ND	ND	0.15	ND	ND	0.01	ND
Crotonaldehyde	ND	ND	ND	ND	0.01	ND	ND	ND	ND
Butyraldehyde	ND	ND	0.00	ND	0.03	ND	ND	0.09	ND
Benzaldehyde	ND	ND	ND	ND	0.02	ND	ND	0.02	ND
Isovaleraldehyde	ND	ND	ND	ND	0.01	ND	ND	ND	ND
Valeraldehyde	ND	ND	ND	ND	0.014	ND	ND	ND	ND
Tolualdehydes	0.06	ND	ND	0.01	0.06	0.02	0.06	0.02	0.01
Hexaldehyde	ND	ND	0.04	0.01	0.03	0.01	0.03	0.01	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	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 #	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	Q1F!010	Q1F!022	Q1GK011	Q1GR005
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	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 #	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	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 #	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	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	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	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	Q1E#014	Q1FG009	Q1FU025	Q1GR014	VOID	F1HK029	Q1H~010	Q1IZ008
ERG Sample ID	20071 FB	20307 FB	20622 FB	21219 FB	21595	21703 FB	22072 FB	22462 FB
Date Sampled	5/7/01	5/25/01	6/12/01	6/30/01	7/18/01	7/24/01	8/11/01	8/29/01
Date Analyzed	5/30/01	6/7/01	6/22/01	7/18/01	VOID	8/12/01	8/27/01	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	Q11Z041	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	Q1F1017	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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

## 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	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	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

# 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

## 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	Q1E0042	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

# 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



## 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	Q1F!011	Q1GK012	Q1GR010	Q1G~010	Q1G%016	Q1G%022	VOID	F1HK041
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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

# 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

## 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

## 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	F1K1013
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

## 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	F1K1024	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

# 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	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	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	Q1I2014	Q1I2026	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	ND	ND	ND	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	ND	ND	ND	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	ND	0.035	ND	ND	ND

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

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

Data File ID	F1LK033	F2AN006	F2AN024
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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	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 #	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	F1K1051	F1K1052	F1LC006	F1LC007	F1LC022	F1LC023	F1LC024	F1LC025
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	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 #	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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

<b>SAMPLE #</b>	<b>24939</b>
<b>SAMPLE DATE</b>	<b>12/31/01</b>
<b>ANALYSIS DATE</b>	<b>1/22/02</b>
<b>FILE NAME</b>	<b>F2AU039</b>
<b>UNITS</b>	<b>ppbv</b>
<b>Formaldehyde</b>	1.31
<b>Acetaldehyde</b>	0.71
<b>Acetone</b>	0.75
<b>Propionaldehyde</b>	0.08
<b>Crotonaldehyde</b>	0.02
<b>Butyr/Isobutyraldehyde</b>	0.09
<b>Benzaldehyde</b>	0.03
<b>Isovaleraldehyde</b>	ND
<b>Valeraldehyde</b>	0.02
<b>Tolualdehydes</b>	0.02
<b>Hexaldehyde</b>	0.02
<b>2,5-Dimethylbenzaldehyde</b>	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	F11T023
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	F11T024	F11T025	F11T026	F11-035	Q11Z050	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)

<b>Data File ID</b>	<b>Q1JX024</b>	<b>Q1JX041</b>	<b>F1KZ021</b>
<b>ERG Sample ID</b>	<b>22958</b>	<b>23199</b>	<b>23903</b>
<b>Date Sampled</b>	<b>9/22/01</b>	<b>10/4/01</b>	<b>11/9/01</b>
<b>Date Analyzed</b>	<b>10/25/01</b>	<b>10/25/01</b>	<b>11/27/01</b>
<b>Formaldehyde</b>	0.02	0.02	0.06
<b>Acetaldehyde</b>	0.04	0.04	0.07
<b>Acetone</b>	0.25	0.25	0.19
<b>Propionaldehyde</b>	ND	ND	ND
<b>Crotonaldehyde</b>	ND	ND	ND
<b>Butyraldehyde</b>	ND	ND	0.06
<b>Benzaldehyde</b>	ND	ND	0.02
<b>Isovaleraldehyde</b>	ND	ND	ND
<b>Valeraldehyde</b>	ND	ND	0.01
<b>Tolualdehydes</b>	ND	ND	0.07
<b>Hexaldehyde</b>	0.03	0.03	0.02
<b>2,5-Dimethylbenzaldehyde</b>	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	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	ND	ND	ND	ND	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	Q1EQ048	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	#Q11L026	#Q11L027	Q11L043	#F11T040	#F11T041	F11T042	F11T043	Q11JQ019
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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	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 #	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	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 #	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	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	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 #	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	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 #	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	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	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 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	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
Valeraldehyde	ND	ND	ND	0.001	0.004	ND	ND	ND	0.002
Tolualdehydes	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexaldehyde	0.025	0.031	ND	0.030	0.034	0.030	0.019	0.003	0.066
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	ND	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 #	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	ND	ND	ND	ND	ND	ND	ND	ND
Valeraldehyde	ND	ND	ND	0.001	ND	ND	0.003	ND	0.004
Tolualdehydes	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexaldehyde	0.058	0.022	ND	0.020	0.040	0.050	0.023	0.026	0.096
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND



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

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

Data File ID	F1FN032	F1F!021	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	ND	ND	ND	ND	ND	ND	0.004	0.010
Crotonaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	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

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

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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	ND	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	F1KI012	F1LG013	F1LK039	F2AB008
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	ND	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	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 #	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	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

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

Data File ID	Q11Z028	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	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	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

# 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

# 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

# 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



# 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

# 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	ND	ND	ND	ND	ND	ND	0.015	ND
Crotonaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND
Valeraldehyde	ND	ND	ND	ND	ND	ND	ND	0.03
Tolualdehydes	0.03	0.03	0.07	ND	ND	ND	ND	0.04
Hexaldehyde	ND	ND	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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			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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	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 #	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	F1K1058	F1K1059	F1K1060	F1LF022	F1LK010	F1LK049	F1LK050	F1LK051
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	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 #	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
Crotonaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	0.039
Valeraldehyde	ND	ND	ND	0.012	0.002	ND	ND	ND	0.001	0.004
Tolualdehydes	ND	0.042	ND	ND	ND	ND	ND	ND	ND	ND
Hexaldehyde	0.056	0.026	ND	0.014	0.033	0.059	0.009	ND	0.045	0.037
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	0.013	ND



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

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

Data File ID	F1F!013	Q1GW047	VOID	F1HN016	Q1IL008	Q1JQ011	F1JZ021	F1KE028	F1KE065	F1K!040
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	ND	ND	ND	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	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	F1I#007	F1I#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	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	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

<b>SAMPLE #</b>	<b>24795</b>	<b>24846</b>
<b>SAMPLE DATE</b>	<b>12/21/01</b>	<b>12/27/01</b>
<b>ANALYSIS DATE</b>	<b>1/18/02</b>	<b>1/22/02</b>
<b>FILE NAME</b>	<b>F2AR008</b>	<b>F2AU038</b>
<b>UNITS</b>	<b>ppbv</b>	<b>ppbv</b>
<b>Formaldehyde</b>	2.67	2.83
<b>Acetaldehyde</b>	1.38	1.52
<b>Acetone</b>	2.64	2.30
<b>Propionaldehyde</b>	0.14	0.16
<b>Crotonaldehyde</b>	0.03	0.03
<b>Butyr/Isobutyraldehyde</b>	0.20	0.21
<b>Benzaldehyde</b>	0.10	0.10
<b>Isovaleraldehyde</b>	ND	ND
<b>Valeraldehyde</b>	0.05	0.05
<b>Tolualdehydes</b>	0.06	0.08
<b>Hexaldehyde</b>	0.04	0.05
<b>2,5-Dimethylbenzaldehyde</b>	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
Formaldehyde	0.06	0.02	0.05	0.04		0.09	0.02	0.08
Acetaldehyde	0.11	0.05	0.08	0.05		0.10	0.04	0.06
Acetone	0.18	0.15	0.13	0.13		0.29	0.25	0.22
Propionaldehyde	ND	ND	ND	ND		0.00	ND	0.01
Crotonaldehyde	ND	ND	ND	ND		ND	ND	ND
Butyraldehyde	ND	ND	0.03	0.01		0.09	ND	0.11
Benzaldehyde	ND	ND	0.02	0.01		0.02	ND	0.01
Isovaleraldehyde	ND	ND	0.01	ND		ND	ND	ND
Valeraldehyde	ND	ND	0.009	ND		0.008	ND	0.01
Tolualdehydes	ND	ND	0.06	0.49		0.06	ND	0.05
Hexaldehyde	0.07	0.10	0.02	0.01		0.05	0.03	0.02
2,5-Dimethylbenzaldehyde	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/Isobutyraldehyde	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	F1I037	F1I038	F1I039	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	0.0005 <sub>u</sub>	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	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/Isobutyraldehyde	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	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	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 #	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 Junction, 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
Formaldehyde	0.06	0.04	0.01	0.03	0.03	0.04	0.05	0.09
Acetaldehyde	0.06	0.06	0.06	0.04	0.05	0.07	0.07	0.08
Acetone	0.20	0.21	0.16	0.12	0.10	0.14	0.25	0.26
Propionaldehyde	ND	ND	ND	ND	ND	ND	0.00	ND
Crotonaldehyde	ND	ND	ND	ND	ND	ND	ND	ND
Butyraldehyde	ND	ND	ND	0.05	0.02	ND	0.08	0.08
Benzaldehyde	ND	ND	ND	0.01	0.01	ND	0.01	0.01
Isovaleraldehyde	ND	ND	ND	0.01	0.00	ND	ND	ND
Valeraldehyde	ND	ND	ND	0.007	ND	ND	0.096	0.007
Tolualdehydes	ND	0.06	ND	0.41	0.04	ND	0.01	0.08
Hexaldehyde	ND	0.03	ND	0.04	ND	0.05	0.02	0.04
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND

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

Underivatized Conc. (total ug)

Data File ID	Q1JQ053	Q1JX035	Q1JX036	F1KH021	F1KH022	F1KH029	F1K1006	F1K1007
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
Formaldehyde	0.01	0.02	0.03	0.04	0.05	0.05	0.09	0.04
Acetaldehyde	0.09	0.09	0.01	0.06	0.16	0.12	0.06	0.06
Acetone	0.29	0.22	0.22	0.21	0.24	0.22	0.21	0.19
Propionaldehyde	ND	ND	ND	ND	0.01	0.01	0.01	0.06
Crotonaldehyde	ND	ND	ND	ND	ND	ND	ND	ND
Butyraldehyde	ND	ND	ND	0.17	0.23	0.20	0.07	0.06
Benzaldehyde	0.03	0.001	ND	0.02	0.01	0.01	0.02	0.01
Isovaleraldehyde	ND	ND	ND	ND	ND	ND	ND	ND
Valeraldehyde	ND	ND	ND	0.01	0.02	0.02	0.01	0.02
Tolualdehydes	2.38	0.27	ND	0.05	0.05	0.09	0.06	0.04
Hexaldehyde	0.07	0.02	0.03	0.02	0.03	0.03	0.02	0.02
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND

# Grand Junction, 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

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

<b>SAMPLE #</b>	<b>23958</b>	<b>24123</b>	<b>24426</b>	<b>24652</b>	<b>24921</b>
<b>SAMPLE DATE</b>	11/9/01	11/21/01	12/3/01	12/15/01	12/27/01
<b>ANALYSIS DATE</b>	11/26/01	12/7/01	1/7/02	1/17/02	1/22/02
<b>FILE NAME</b>	Q1KZ015	F1LG010	F2AG012	Q2AQ005	F2AU025
<b>UNITS</b>	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



# 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

## 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	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	0.03
2,5-Dimethylbenzaldehyde	ND	ND	0.01	0.02	0.02	0.01	0.01	ND

# 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

# 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



## 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

# 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

# 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

## 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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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

## 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

# 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	F1KI042	F1KI044	F1LF021	F1LF024	F1LK008	F2AB012
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	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

# 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

# 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	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
Valeraldehyde	ND	0.005	ND	ND	ND	0.002	ND	ND	0.004
Tolualdehydes	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexaldehyde	0.041	0.029	0.188	0.022	0.032	0.055	0.029	0.009	0.197
2,5-Dimethylbenzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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

# 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

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

<b>SAMPLE #</b>	<b>23849</b>	<b>24034</b>	<b>24232</b>	<b>24489</b>	<b>24759</b>
<b>SAMPLE DATE</b>	11/3/01	11/15/01	11/27/01	12/9/01	12/21/01
<b>ANALYSIS DATE</b>	11/13/01	11/29/01	12/11/01	1/3/02	1/17/02
<b>FILE NAME</b>	F1KL041	F1KI021	F1LK013	F2AB022	F2AQ014
<b>UNITS</b>	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

# 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	Q1FI021	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
SAMPLE DATE	6/30/01	7/12/01	7/15/01	7/18/01	7/24/01	7/30/01	8/5/01	8/17/01
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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND

# Muscatine, Iowa (MUIA) 2001 UATMP Carbonyl Final Field Blank Data Report

Underivatized Conc.(total ug)

Data File ID	Q11Z016	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	Q1F1013	Q1GK014	Q1GT007	Q1G-009
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	F1KI029	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
Formaldehyde	0.060		0.022	0.012	0.039	0.131	0.028	0.012	0.033	0.079
Acetaldehyde	0.062		0.088	0.032	0.056	0.118	0.055	0.070	0.016	0.106
Acetone	0.192		0.169	0.101	0.129	0.347	0.261	0.265	0.226	0.214
Propionaldehyde	ND		ND	ND	ND	0.017	ND	ND	ND	0.007
Crotonaldehyde	ND		ND	ND	ND	ND	ND	ND	ND	ND
Butyraldehyde	ND		0.001	ND	0.032	ND	ND	ND	ND	0.313
Benzaldehyde	ND		0.022	ND	0.019	ND	ND	ND	ND	0.017
Isovaleraldehyde	ND		ND	ND	0.008	ND	ND	ND	ND	ND
Valeraldehyde	ND		ND	ND	0.011	ND	ND	ND	ND	0.013
Tolualdehydes	0.079		ND	0.066	0.058	0.001	-0.004	-0.020	-0.080	0.091
Hexaldehyde	0.026		0.035	0.108	0.036	0.051	0.031	0.011	0.026	0.023
2,5-Dimethylbenzaldehyde	ND		ND	ND	ND	ND	ND	ND	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

# Pascagula, 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

# Pascagula, 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

# Pascagula, Mississippi (PGMS) 2001 UATMP Carbonyl Final Data Report

<b>SAMPLE #</b>	<b>24910</b>
<b>SAMPLE DATE</b>	<b>12/27/01</b>
<b>ANALYSIS DATE</b>	<b>1/22/02</b>
<b>FILE NAME</b>	<b>F2AU023</b>
<b>UNITS</b>	<b>ppbv</b>
<b>Formaldehyde</b>	2.92
<b>Acetaldehyde</b>	1.17
<b>Acetone</b>	1.50
<b>Propionaldehyde</b>	0.11
<b>Crotonaldehyde</b>	0.01
<b>Butyr/Isobutyraldehyde</b>	0.11
<b>Benzaldehyde</b>	0.03
<b>Isovaleraldehyde</b>	ND
<b>Valeraldehyde</b>	0.02
<b>Tolualdehydes</b>	0.05
<b>Hexaldehyde</b>	0.03
<b>2,5-Dimethylbenzaldehyde</b>	ND



# Pascagula, 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

<b>SAMPLE #</b>	<b>20156</b>
<b>SAMPLE DATE</b>	<b>5/13/01</b>
<b>ANALYSIS DATE</b>	<b>6/14/01</b>
<b>FILE NAME</b>	<b>F1FN010</b>
<b>UNITS</b>	<b>ppbv</b>
<b>Formaldehyde</b>	12.58
<b>Acetaldehyde</b>	5.16
<b>Acetone</b>	5.64
<b>Propionaldehyde</b>	1.14
<b>Crotonaldehyde</b>	0.04
<b>Butyr/Isobutyraldehyde</b>	1.27
<b>Benzaldehyde</b>	0.17
<b>Isovaleraldehyde</b>	ND
<b>Valeraldehyde</b>	0.91
<b>Tolualdehydes</b>	0.29
<b>Hexaldehyde</b>	0.23
<b>2,5-Dimethylbenzaldehyde</b>	0.0002u

u - Concentration is below detection limit.

# River Rouge, Michigan (RRMI) 2001 UATMP Carbonyl Final Field Blank Data Report

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

Data File ID	F1GZ010	F1HF014	F1I#020
FB ID	20166 FB	21657 FB	22626 FB
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	Q11L042
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	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND	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	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 #	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	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
Valeraldehyde	ND	ND	ND	ND	0.001	0.002	ND	ND	0.003
Tolualdehydes	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexaldehyde	0.05	ND	0.16	0.03	0.03	0.04	0.03	0.02	0.04
2,5-Dimethylbenzaldehyde	ND	ND	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	F1FN037	F1F!018	Q1GW051	VOID	VOID	Q1IL007	Q1JQ007	F1JV030	F1KE033
FB ID	20380 FB	20608 FB	21201 FB	21649 FB	21767 FB	22199 FB	22584 FB	22947 FB	23313 FB
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	*F1KI014
UNITS	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	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	Q1F1008	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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	ppbv	ppbv	ppbv	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

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

Data File ID	Q1G~005	Q1G%025	F1HN031	Q1H~023	Q1I2024	Q1I2037	F1JZ035	F1KH060	F1KH056	Q1KZ007
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	ND	ND	ND	ND	ND	ND	ND	ND	ND
Crotonaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND

# West Valley, Utah (SLCU) 2001 UATMP Carbonyl Final Field Blank Data Report

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

Data File ID	Q1LL008	F2AN008	Q2AQ011
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	0.009	0.01
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	ppbv	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	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	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	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	ND	ND	ND	ND	ND	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	Q1FK013	Q1FU032	VOID	VOID	VOID	Q1H-012	VOID	F1JZ016
ERG Sample ID	20383 FB	20681 FB	21290 FB	21673 FB	21714 FB	22083 FB	22688 FB	22988 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
Date Analyzed	6/11/01	6/22/01	VOID	VOID	VOID	8/27/01	VOID	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

# 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

# Tupelo, Mississippi (TUMS) 2001 UATMP Carbonyl Final Data Report

<b>SAMPLE #</b>	<b>24880</b>
<b>SAMPLE DATE</b>	<b>12/27/01</b>
<b>ANALYSIS DATE</b>	<b>1/21/02</b>
<b>FILE NAME</b>	<b>F2AU019</b>
<b>UNITS</b>	<b>ppbv</b>
<b>Formaldehyde</b>	2.22
<b>Acetaldehyde</b>	1.07
<b>Acetone</b>	1.17
<b>Propionaldehyde</b>	0.08
<b>Crotonaldehyde</b>	0.005
<b>Butyr/Isobutyraldehyde</b>	0.09
<b>Benzaldehyde</b>	0.02
<b>Isovaleraldehyde</b>	ND
<b>Valeraldehyde</b>	0.02
<b>Tolualdehydes</b>	0.02
<b>Hexaldehyde</b>	0.02
<b>2,5-Dimethylbenzaldehyde</b>	ND

# 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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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

# 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	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	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



# 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	ppbv	ppbv	ppbv	ppbv	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	ND	ND	ND	ND	ND	ND

## 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

## 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	F1KI023	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	

# Delray, Michigan (Yellow Freight - YFMI) 2001 UATMP Carbonyl Final Data Report

<b>SAMPLE #</b>	24948
<b>SAMPLE DATE</b>	12/27/01
<b>ANALYSIS DATE</b>	VOID
<b>FILE NAME</b>	VOID
<b>UNITS</b>	ppbv
Formaldehyde	
Acetaldehyde	
Acetone	
Propionaldehyde	
Crotonaldehyde	
Butyr/Isobutyraldehyde	
Benzaldehyde	
Isovaleraldehyde	
Valeraldehyde	
Tolualdehydes	
Hexaldehyde	
2,5-Dimethylbenzaldehyde	

# 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

<b>Sample I.D.</b>	19920 - D1	19920 - R1	19921 - D2
<b>File I.D.</b>	ENG1973.D	ENG2051.D	ENG1974.D
<b>Date Sampled</b>	4/19/2001	4/19/2001	4/19/2001
<b>Date Analyzed</b>	5/24/2001	6/23/2001	5/24/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	196.4	196.4	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-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	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-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	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

<b>Sample I.D.</b>	19920 - D1	19920 - R1	19921 - D2
<b>File I.D.</b>	ENG1973.D	ENG2051.D	ENG1974.D
<b>Date Sampled</b>	4/19/2001	4/19/2001	4/19/2001
<b>Date Analyzed</b>	5/24/2001	6/23/2001	5/24/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	196.4	196.4	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	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	2.61	0.01	U	2.14	0.01	U	2.52	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	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	2.18	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)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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	194.6	162.8	162.8

<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	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	1.56	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

<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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	194.6	162.8	162.8

<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	0.85	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 Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI) 2001 Final Data Report

<b>Sample I.D.</b>	20031 - D2	20031 - R2	20182 - D1
<b>File I.D.</b>	ENG1988.D	ENG2054.D	ENG2001.D
<b>Date Sampled</b>	5/1/2001	5/1/2001	5/13/2001
<b>Date Analyzed</b>	5/25/2001	6/23/2001	6/15/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	187.2	187.2	179.4

<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	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

<b>Sample I.D.</b>	20031 - D2	20031 - R2	20182 - D1
<b>File I.D.</b>	ENG1988.D	ENG2054.D	ENG2001.D
<b>Date Sampled</b>	5/1/2001	5/1/2001	5/13/2001
<b>Date Analyzed</b>	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

<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	3.94	0.02	U	3.08	0.02	U	2.09	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	3.68	0.02	U	2.11	0.01	U	1.32	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	3.64	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	37.82	0.20		29.94	0.16		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

<b>Sample I.D.</b>	20182 - R1	20183 - D2	20183 - R2
<b>File I.D.</b>	ENG2055.D	ENG2002.D	ENG2056.D
<b>Date Sampled</b>	5/13/2001	5/13/2001	5/13/2001
<b>Date Analyzed</b>	6/23/2001	6/15/2001	6/23/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	179.4	185.6	185.6

<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	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	1.29	0.01	1.10	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

<b>Sample I.D.</b>	20182 - R1	20183 - D2	20183 - R2
<b>File I.D.</b>	ENG2055.D	ENG2002.D	ENG2056.D
<b>Date Sampled</b>	5/13/2001	5/13/2001	5/13/2001
<b>Date Analyzed</b>	6/23/2001	6/15/2001	6/23/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	179.4	185.6	185.6

<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	1.94	0.01	U	1.70	0.01	U	1.85	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	1.40	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	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	ND	ND		9.61	0.05	U	9.56	0.05	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)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> )	Actual Vol (m <sup>3</sup> )
		195.2	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	0.05 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	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

<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> )	Actual Vol (m <sup>3</sup> )
		195.2	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>	
2-Naphthylamine	ND	ND	ND	ND	ND	
Dibenzofuran	ND	ND	ND	0.47	0.002	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	0.52	0.003	0.54	0.003	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	
Diallyl	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	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 Detection Limit



# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI) 2001 Final Data Report

Sample I.D.	20334 - D2	20334 - R2	20565 - D1			
File I.D.	ENG2015.D	ENG2058.D	ENG2038.D			
Date Sampled	5/25/2001	5/25/2001	6/6/2001			
Date Analyzed	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

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	22.59	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	12.26	0.05	10.05	0.04	U	19.22	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	57.45	0.25	52.73	0.23	168.89	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	32.87	0.14	28.63	0.12	49.29	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-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	2.05	0.01	U
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	U
4-Nitrophenol	ND	ND	ND	ND	ND	ND	U
Acenaphthene	0.88	0.004	U	ND	3.07	0.01	U
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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	229.3	229.3	212.3

<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	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	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	2.98	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

<b>Sample I.D.</b>	20565 - R1	20566 - D2	20566 - R2
<b>File I.D.</b>	ENG2049.D	ENG2039.D	ENG2050.D
<b>Date Sampled</b>	6/6/2001	6/6/2001	6/6/2001
<b>Date Analyzed</b>	6/22/2001	6/22/2001	6/22/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	212.3	235.5	235.5

<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	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
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	2.05	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

<b>Sample I.D.</b>	20565 - R1	20566 - D2	20566 - R2
<b>File I.D.</b>	ENG2049.D	ENG2039.D	ENG2050.D
<b>Date Sampled</b>	6/6/2001	6/6/2001	6/6/2001
<b>Date Analyzed</b>	6/22/2001	6/22/2001	6/22/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	212.3	235.5	235.5

<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	3.65	0.02	U	4.08	0.02	U	4.47	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	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	7.26	0.03	U	6.99	0.03	U	8.00	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	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)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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	184.6	184.6	197.3

<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	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	0.02	U
2,4-Dinitrotoluene	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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	184.6	184.6	197.3

<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	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

Sample I.D.	21022 - R2	21314 - D1	21314 - R1
File I.D.	ENG2138.D	ENG2227.D	ENG2257.D
Date Sampled	6/18/2001	6/30/2001	6/30/2001
Date Analyzed	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> )
	197.3	232.6	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	12.84	0.07	5.93	0.03 U	4.93	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	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	2.63	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	197.3	232.6	232.6

<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	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

<b>Sample I.D.</b>	21315 - D2	21315 - R2	21520 - D1
<b>File I.D.</b>	ENG2228.D	ENG2258.D	ENG2270.D
<b>Date Sampled</b>	6/30/2001	6/30/2001	7/12/2001
<b>Date Analyzed</b>	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

<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	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
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	3.38	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

<b>Sample I.D.</b>	21315 - D2	21315 - R2	21520 - D1
<b>File I.D.</b>	ENG2228.D	ENG2258.D	ENG2270.D
<b>Date Sampled</b>	6/30/2001	6/30/2001	7/12/2001
<b>Date Analyzed</b>	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

<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	6.05	0.03	U	4.25	0.02	U	4.17	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	3.67	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	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	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 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	235.4	221.0	221.0

<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	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
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	3.48	0.01	2.90	0.01	3.19	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

<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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	235.4	221.0	221.0

<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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	4.38	0.02	U	3.79	0.02	U	4.17	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	3.89	0.02	U	3.78	0.02	U	3.66	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	8.66	0.04	U	8.64	0.04	U	9.01	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		27.38	0.12		28.63	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)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>	21754	21980 - D1	21980 - R1
<b>File I.D.</b>	ENG2306.D	ENG2318.D	ENG2319.D
<b>Date Sampled</b>	7/24/2001	8/5/2001	8/5/2001
<b>Date Analyzed</b>	8/21/2001	8/22/2001	8/22/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	213.4	217.1	217.1

<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	20.31	0.09	18.55	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	5.21	0.02	35.25	0.16	32.52	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	45.12	0.21	159.93	0.74	164.21	0.76
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	0.38
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	1.19	0.01	1.08	0.005
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	1.57	0.01	5.63	0.03	6.25	0.03
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>	21754	21980 - D1	21980 - R1
<b>File I.D.</b>	ENG2306.D	ENG2318.D	ENG2319.D
<b>Date Sampled</b>	7/24/2001	8/5/2001	8/5/2001
<b>Date Analyzed</b>	8/21/2001	8/22/2001	8/22/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	213.4	217.1	217.1

<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	3.36	0.02	U	7.42	0.03	U	7.71	0.04	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	7.14	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	0.07	
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	1.97	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	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	1.71	0.01	U	1.25	0.01	U	1.27	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)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.	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>
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	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-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	1.02	0.01	U	0.86	0.005	U
2,4-Dinitrophenol	ND	ND	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	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>	21981 - D2	21981 - R2	22211 - D1
<b>File I.D.</b>	ENG2320.D	ENG2321.D	ENG2356.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> )
	183.6	183.6	196.8

<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	7.06	0.04	U	6.59	0.04	U	1.20	0.01	U
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	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	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	12.41	0.07		13.37	0.07		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	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	ND	
Pyrene	0.88	0.005	U	0.85	0.005	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	1.62	0.01	U	1.70	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)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>	22211 - R1	22212 - D2	22212 - R2
<b>File I.D.</b>	ENG2469.D	ENG2357.D	ENG2470.D
<b>Date Sampled</b>	8/17/2001	8/17/2001	8/17/2001
<b>Date Analyzed</b>	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

<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	3.72	0.02	U	4.69	0.02	U	4.14	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	0.15	
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	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	0.67	0.003	U	0.93	0.005	U	0.75	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

<b>Sample I.D.</b>	22211 - R1	22212 - D2	22212 - R2
<b>File I.D.</b>	ENG2469.D	ENG2357.D	ENG2470.D
<b>Date Sampled</b>	8/17/2001	8/17/2001	8/17/2001
<b>Date Analyzed</b>	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

<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	0.89	0.005 U	1.30	0.01 U	1.19	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	0.94	0.005 U	1.43	0.01 U	1.33	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	2.75	0.01 U	3.58	0.02 U	3.52	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	11.82	0.06 U	10.81	0.04 U
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 Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI)

## 2001 Final Data Report

<b>Sample I.D.</b>	22612 - D1	22612 - R1	22613 - D2
<b>File I.D.</b>	ENG2385.D	ENG2386.D	ENG2387.D
<b>Date Sampled</b>	8/29/2001	8/29/2001	8/29/2001
<b>Date Analyzed</b>	9/23/2001	9/23/2001	9/23/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	213.2	213.2	194.5

<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	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-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	146.31	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-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	1.00	0.005	U	1.01	0.005	U	0.86	0.004	U
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	U
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	U
Acenaphthene	4.98	0.02	U	5.59	0.03	U	4.47	0.02	U
2,4-Dinitrotoluene	ND	ND	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>	22612 - D1	22612 - R1	22613 - D2
<b>File I.D.</b>	ENG2385.D	ENG2386.D	ENG2387.D
<b>Date Sampled</b>	8/29/2001	8/29/2001	8/29/2001
<b>Date Analyzed</b>	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

<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	4.12	0.02	U	4.93	0.02	U	4.02	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	4.02	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	7.84	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	1.15	0.01	U
Pyrene	ND	ND		0.58	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)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.	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	194.5	185.4	185.4

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	19.95	0.10	4.10	0.02 U	4.38	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	119.98	0.62	34.94	0.19	36.71	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	55.61	0.29	19.87	0.11	20.03	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	0.89	0.005 U	ND	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 U	0.54	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

<b>Sample I.D.</b>	22613 - R2	22787 - D1	22787 - R1
<b>File I.D.</b>	ENG2388.D	ENG2418.D	ENG2419.D
<b>Date Sampled</b>	8/29/2001	9/10/2001	9/10/2001
<b>Date Analyzed</b>	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

<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	4.01	0.02	U	0.67	0.004	U	0.62	0.003	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	0.66	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	
Diallylate	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	2.36	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	14.09	0.07		ND	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	ND	
Pyrene	0.56	0.003	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)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>	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

<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	4.32	0.02	U	4.78	0.02	U	16.75	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	37.32	0.19		38.48	0.20		115.80	0.45	
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	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	0.63	0.003	U	0.69	0.004	U	1.98	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>	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

<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	0.82	0.004	U	0.86	0.004	U	2.12	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	0.87	0.004	U	0.98	0.005	U	2.62	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	2.46	0.01	U	2.56	0.01	U	4.96	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	14.76	0.07		14.53	0.07		ND	ND	
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	0.73	0.003	U
Pyrene	ND	ND		ND	ND		0.78	0.003	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)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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	260.1	206.0	207.0

<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	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-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	1.93	0.01	1.34	0.01	1.61	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

<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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	260.1	206.0	207.0

<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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.25	0.01	U	1.56	0.01	U	1.65	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	2.02	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	4.11	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	0.04	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	0.97	0.004	U	ND	ND		ND	ND	
Pyrene	0.66	0.003	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)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>	23222 - D1	23222 - R1	23223 - D2
<b>File I.D.</b>	ENG2522.D	ENG2523.D	ENG2524.D
<b>Date Sampled</b>	10/4/2001	10/4/2001	10/4/2001
<b>Date Analyzed</b>	11/27/2001	11/27/2001	11/27/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	213.6	213.6	250.2

<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>	<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	7.62	0.04	U	8.09	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	56.85	0.27	58.59	0.27	59.22	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	31.26	0.15	31.38	0.15	31.87	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	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	0.81	0.004	U	1.24	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>	23222 - D1	23222 - R1	23223 - D2
<b>File I.D.</b>	ENG2522.D	ENG2523.D	ENG2524.D
<b>Date Sampled</b>	10/4/2001	10/4/2001	10/4/2001
<b>Date Analyzed</b>	11/27/2001	11/27/2001	11/27/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	213.6	213.6	250.2

<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>	<u>Final µg/m<sup>3</sup></u>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.16	0.01	U	1.42	0.01	U	1.40	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	1.47	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	3.31	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		1.58	0.01	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)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>	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
	Actual Vol (m <sup>3</sup> ) 250.2	Actual Vol (m <sup>3</sup> ) 207.4	Actual Vol (m <sup>3</sup> ) 207.4

<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	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-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	1.01	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

<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			
	Actual Vol (m <sup>3</sup> )	250.2	Actual Vol (m <sup>3</sup> )	207.4	Actual Vol (m <sup>3</sup> )	207.4

<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	1.56	0.01	U	0.53	0.003	U	0.71	0.003	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	1.61	0.01	U	0.53	0.003	U	0.57	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	3.72	0.01	U	1.51	0.01	U	1.60	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	216.3	216.3	174.5

<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	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
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	0.73	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

<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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	216.3	216.3	174.5

<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	0.77	0.004	U	0.76	0.004	U	0.70	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	0.70	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	1.82	0.01	U	1.70	0.01	U	1.58	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	174.5	217.4	217.4

<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	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-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	0.57	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

<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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	174.5	217.4	217.4

<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	0.83	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	ND	10.22	0.05	U
Benzydine	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>	23936 - D1	23936 - R1	23937 - D2
<b>File I.D.</b>	ENG2646.D	ENG2647.D	ENG2648.D
<b>Date Sampled</b>	11/9/2001	11/9/2001	11/9/2001
<b>Date Analyzed</b>	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

<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	6.74	0.03	U	6.87	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	0.32	
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	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	0.61	0.003	U	0.38	0.002	U	0.56	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

<b>Sample I.D.</b>	23936 - D1	23936 - R1	23937 - D2
<b>File I.D.</b>	ENG2646.D	ENG2647.D	ENG2648.D
<b>Date Sampled</b>	11/9/2001	11/9/2001	11/9/2001
<b>Date Analyzed</b>	12/13/2001	12/13/2001	12/13/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	237.2	237.2	204.7

<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	0.93	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 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	204.7		227.8

<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	ND	ND		7.94	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	66.88	0.33		ND	ND		54.72	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	31.64	0.15		ND	ND		25.72	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	0.54	0.00	U	ND	ND		0.67	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

<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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	204.7		227.8

<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	0.78	0.004	U	ND	ND		0.96	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	1.15	0.01	U	ND	ND		0.99	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	2.26	0.01	U	ND	ND		2.10	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 Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI) 2001 Final Data Report

<b>Sample I.D.</b>	24164 - R1	24165 - D2	24165 - R2
<b>File I.D.</b>	ENG2678.D	ENG2679.D	ENG2680.D
<b>Date Sampled</b>	11/21/2001	11/21/2001	11/21/2001
<b>Date Analyzed</b>	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

<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	7.70	0.03 U	7.81	0.04 U	8.27	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	55.24	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	25.70	0.11	26.59	0.12	26.32	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	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	0.77	0.004 U	0.64	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

<b>Sample I.D.</b>	24164 - R1	24165 - D2	24165 - R2
<b>File I.D.</b>	ENG2678.D	ENG2679.D	ENG2680.D
<b>Date Sampled</b>	11/21/2001	11/21/2001	11/21/2001
<b>Date Analyzed</b>	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

<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	1.02	0.004 U	0.95	0.004 U	1.06	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	0.82	0.004 U	0.95	0.004 U	0.93	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	2.01	0.01 U	2.09	0.01 U	2.01	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 Detection 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> )	Actual Vol (m <sup>3</sup> )
		182.1	182.1

<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
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			15.02	0.08	U	15.54
Pentachloroethane			ND	ND		0.09
bis(2-Chloroethyl)ether			ND	ND		U
Aniline			ND	ND	ND	ND
2-Chlorophenol			ND	ND	ND	ND
1,3-Dichlorobenzene			ND	ND	ND	ND
1,4-Dichlorobenzene			9.04	0.05	U	9.69
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			67.59	0.37		66.22
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			34.98	0.19		35.42
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			1.24	0.01	U	1.20
2,4-Dinitrophenol			ND	ND	ND	ND
4-Nitrophenol			ND	ND	ND	ND
Acenaphthene			0.74	0.004	U	0.83
2,4-Dinitrotoluene			ND	ND	ND	0.005
						U
						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>	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> )	Actual Vol (m <sup>3</sup> )
		182.1	182.1

<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
Dibenzofuran			1.35	0.01	1.26	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			1.39	0.01	1.26	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			2.53	0.01	2.67	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)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 Detection Limit

# SemiVolatile Samples - Detroit, MI (Allen Park -APMI and A2MI) 2001 Final Data Report

<b>Sample I.D.</b>	24636 - D1	24636 - R1	24637 - D2
<b>File I.D.</b>	ENG2772.D	ENG2773.D	ENG2774.D
<b>Date Sampled</b>	12/15/2001	12/15/2001	12/15/2001
<b>Date Analyzed</b>	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

<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	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

<b>Sample I.D.</b>	24636 - D1	24636 - R1	24637 - D2
<b>File I.D.</b>	ENG2772.D	ENG2773.D	ENG2774.D
<b>Date Sampled</b>	12/15/2001	12/15/2001	12/15/2001
<b>Date Analyzed</b>	1/16/2002	1/16/2002	1/16/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	216.9	216.9	189.7

<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	1.34	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
Benzydine	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>	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

<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	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
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
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

<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

<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	1.19	0.01	U	0.80	0.003	U	0.65	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	1.12	0.01	U	0.67	0.002	U	0.52	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	2.79	0.01	U	2.01	0.01	U	1.72	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	0.14	0.001	U	ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	9.98	0.05	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)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.	24961 - D2	24961 - R2
File I.D.	ENG2801.D	ENG2802.D
Date Sampled	12/27/2001	12/27/2001
Date Analyzed	1/17/2002	1/17/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	242.1	242.1

<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>
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	3.27	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	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

Sample I.D.	24961 - D2	24961 - R2
File I.D.	ENG2801.D	ENG2802.D
Date Sampled	12/27/2001	12/27/2001
Date Analyzed	1/17/2002	1/17/2002
	Actual Vol (m <sup>3</sup> )    242.1	Actual Vol (m <sup>3</sup> )    242.1

<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	0.59	0.002	U	0.60	0.002	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	0.47	0.002	U	0.47	0.002	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	1.46	0.01	U	1.58	0.01	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	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

<b>Sample I.D.</b>	21271	21310	21524
<b>File I.D.</b>	VOID	ENG2239.D	ENG2283.D
<b>Date Sampled</b>	6/30/2001	7/6/2001	7/12/2001
<b>Date Analyzed</b>		8/3/2001	8/17/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	0.0	210.8	198.2

<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>	<u>Final µg/m<sup>3</sup></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			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-Napthoquinone			ND	ND	ND	ND
Dimethyl phthalate			25.27	0.12	20.90	0.11
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			3.13	0.015	2.43	0.01
2,4-Dinitrotoluene			ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Camden, NJ (CANJ) 2001 Final Data Report

<b>Sample I.D.</b>	21271	21310	21524
<b>File I.D.</b>	VOID	ENG2239.D	ENG2283.D
<b>Date Sampled</b>	6/30/2001	7/6/2001	7/12/2001
<b>Date Analyzed</b>		8/3/2001	8/17/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	0.0	210.8	198.2

<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>	<u>Final µg/m<sup>3</sup></u>
2-Naphthylamine			ND	ND	ND	ND
Dibenzofuran			3.69	0.02	2.85	0.01
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	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	5.59	0.03
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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	219.8	172.4	218.2

<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>	<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	14.42	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	15.64	0.07	19.66	0.11	32.19	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	40.20	0.18	23.31	0.14	38.95	0.18
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	10.14	0.05	U	9.05	0.05	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	23.04	0.10	25.25	0.15	15.35	0.07
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	2.79	0.01	U	ND	3.20	0.01
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	219.8	172.4	218.2

<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>	<u>Final µg/m<sup>3</sup></u>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	3.86	0.02	U	ND	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	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	5.92	0.03	U	6.50	0.04	U	5.37	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	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	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		1.06	0.01	U	2.49	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	175.5	175.8	181.8

<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	52.29	0.30	75.64	0.43	28.99	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	47.15	0.27	62.85	0.36	23.50	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	11.94	0.07	20.44	0.12	10.96	0.06 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	1.53	0.01 U	11.73	0.07	11.46	0.06
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	3.02	0.02 U	4.23	0.02 U	2.23	0.01 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	175.5	175.8	181.8

<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	3.92	0.02	U	5.14	0.03	U	2.58	0.01	U
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	0.02	U
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	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	7.40	0.04	U	10.72	0.06		5.05	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	29.06	0.17		22.59	0.13		25.19	0.14	
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	0.003	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	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	177.1	216.2	169.9

<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	57.18	0.32	62.60	0.29	45.62	0.27			
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	44.68	0.25	51.12	0.24	32.71	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	19.30	0.11	18.68	0.09	14.70	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	9.00	0.05	U	9.50	0.04	5.98	0.04	U	
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	2.74	0.02	U	3.16	0.01	U	2.53	0.01	U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>177.1</b>	<b>216.2</b>	<b>169.9</b>

<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	3.67	0.02	U	4.57	0.02	U	2.85	0.02	U
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	0.09	
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	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	6.63	0.04	U	7.85	0.04	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	21.92	0.12		28.28	0.13		16.72	0.10	
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	0.004	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		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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>203.9</b>	<b>178.7</b>	<b>225.8</b>

<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	38.77	0.19	154.45	0.86	76.25	0.34
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	30.14	0.15	88.42	0.49	66.05	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	13.18	0.06	29.20	0.16	24.50	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	8.31	0.04	U	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	0.52	0.003	U	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	3.07	0.02	U	3.42	0.02	U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	203.9	178.7	225.8

<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	3.02	0.01	U	3.68	0.02	U	3.91	0.02	U
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	0.14	
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	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	6.39	0.03	U	5.20	0.03	U	6.64	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	25.52	0.13		13.40	0.07	U	17.35	0.08	
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	0.01	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>209.0</b>	<b>193.5</b>	<b>182.4</b>

<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	26.56	0.13	80.05	0.41	88.69	0.49
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	27.09	0.13	54.26	0.28	59.21	0.32
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	10.52	0.05	24.00	0.12	24.30	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	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	0.81	0.004	2.69	0.01	1.71	0.01
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	209.0	193.5	182.4

<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	1.05	0.01	U	3.46	0.02	U	1.61	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	0.89	0.004	U	2.98	0.02	U	1.33	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	2.02	0.01	U	5.36	0.03	U	3.38	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	5.10	0.02	U	14.69	0.08		5.88	0.03	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	188.0	152.7	195.5

<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	32.80	0.17	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	94.84	0.50	52.85	0.35	35.47	0.18
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	118.06	0.63	49.61	0.32	29.14	0.15
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	30.17	0.16	19.74	0.13	10.45	0.05 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	0.60	0.003 U	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	3.21	0.02 U	1.80	0.01 U	0.63	0.003 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>188.0</b>	<b>152.7</b>	<b>195.5</b>

<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	2.75	0.01	U	2.75	0.02	U	0.71	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	0.61	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	1.78	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	227.6	189.8	210.0

<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	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	227.6	189.8	210.0

<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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	2.65	0.01	U	0.96	0.01	U	1.24	0.01	U
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	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	4.82	0.02	U	1.90	0.01	U	2.32	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	14.78	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	185.5	207.6	177.4

<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	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	0.003	U	
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthene	1.45	0.01	U	1.33	0.01	U	0.92	0.01	U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	185.5	207.6	177.4

<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	2.23	0.01	U	1.72	0.01	U	1.47	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	1.74	0.01	U	1.57	0.01	U	1.04	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	3.93	0.02	U	3.71	0.02	U	2.95	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		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 Detection 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	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	186.0	185.7	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>
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 Detection 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	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	186.0	185.7	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	1.29	0.01	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	44.68	0.24		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	1.57	0.01	U	1.59	0.01	U	0.94	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	4.27	0.02	U	3.58	0.02	U	2.45	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	14.28	0.08		14.61	0.08		9.40	0.05	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	188.2	202.8	192.4

<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	16.62	0.09	U	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	32.58	0.17		38.15	0.19		33.09	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	43.29	0.23		25.12	0.12		29.42	0.15	
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	18.73	0.10		10.53	0.05	U	12.05	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	0.88	0.005	U	ND	ND		ND	ND	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	1.11	0.01	U	0.57	0.003	U	0.46	0.002	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>188.2</b>	<b>202.8</b>	<b>192.4</b>

<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	1.49	0.01	U	0.83	0.004	U	0.69	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	1.09	0.01	U	0.57	0.003	U	0.43	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	2.72	0.01	U	1.26	0.01	U	1.35	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	26.08	0.14		13.53	0.07	U	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 Detection 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 (µg)</u>	<u>Final µg/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-Dinitrobenzene	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 Detection 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 (µg)</u>	<u>Final µg/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	



# 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	207.2	192.1	147.9

<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	10.41	0.05	U	ND	ND		2.96	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	12.99	0.06	U	ND	ND		7.43	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	ND	ND		ND	ND		3.25	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	23.68	0.11		ND	ND		10.92	0.07	
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	1.01	0.005	U	ND	ND		0.28	0.002	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	207.2	192.1	147.9

<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	2.26	0.01	U	ND	ND		0.39	0.003	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	1.68	0.01	U	ND	ND		0.36	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	2.56	0.01	U	ND	ND		0.61	0.004	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	46.57	0.22		16.92	0.09		15.77	0.11	
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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	214.0	172.9	

<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		
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	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	ND	ND		U
2,4-Dinitrotoluene	ND	ND	ND	ND		

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>214.0</b>	<b>172.9</b>	

<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	2.94	0.01	U	0.59	0.003	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	2.65	0.01	U	0.61	0.004	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	4.33	0.02	U	1.25	0.01	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	ND	ND		ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	34.99	0.16		16.20	0.09			
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	1.35	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 Detection 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> ) <b>275.3</b>

<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
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 Detection 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> ) <b>275.3</b>

<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
Dibenzofuran					1.25	0.005     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					1.13	0.004     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					2.18	0.01     U
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     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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	208.5	208.0	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	4.55	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	13.17	0.06	U	9.28	0.04	U	4.15	0.02	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	1.68	0.01	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	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	1.06	0.01	U	0.58	0.003	U	0.15	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	208.5	208.0	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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.17	0.01	U	0.71	0.003	U	0.35	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	0.99	0.00	U	0.61	0.003	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	1.64	0.01	U	1.15	0.01	U	1.19	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	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 Detection Limit



# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

<b>Sample I.D.</b>	22740	22879	23134
<b>File I.D.</b>	ENG2411.D	ENG2434.D	ENG2442.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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	208.3	209.8	158.1

<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	ND	ND	8.91	0.04	U	8.51	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	11.44	0.05	U	10.06	0.05	U	7.72	0.05	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	3.68	0.02	U	3.98	0.02	U	3.40	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	7.58	0.04	U	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	0.65	0.003	U	0.60	0.003	U	0.48	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 - Chester, NJ (CHNJ)

## 2001 Final Data Report

<b>Sample I.D.</b>	22740	22879	23134
<b>File I.D.</b>	ENG2411.D	ENG2434.D	ENG2442.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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>208.3</b>	<b>209.8</b>	<b>158.1</b>

<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	1.20	0.01	U	0.76	0.004	U	0.60	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	0.91	0.004	U	0.55	0.003	U	0.47	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	2.17	0.01	U	0.90	0.004	U	1.04	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	27.00	0.13		9.55	0.05	U	9.81	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	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

<b>Sample I.D.</b>	23184	23315	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> )
			<b>193.7</b>

<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
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 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	6.41	0.03			9.65	0.05 U
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 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	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	0.21	0.001			ND	ND
2,4-Dinitrotoluene	ND	ND			ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

<b>Sample I.D.</b>	23184	23315	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> )
			<b>193.7</b>

<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	ND	ND			0.49	0.003 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	ND	ND			0.29	0.001 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	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	206.6	241.4	229.4

<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	18.02	0.09	7.82	0.03	U	21.10	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	13.16	0.06	U	13.66	0.06	U	36.23	0.16	
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	5.02	0.02	U	5.82	0.02	U	16.77	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	0.68	0.003	U	0.42	0.002	U	0.24	0.001	U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND			

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	206.6	241.4	229.4

<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	0.004	U	0.74	0.003	U	0.95	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	0.60	0.003	U	0.59	0.002	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	ND	ND		1.10	0.005	U	1.87	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		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 Detection 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	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	209.9	247.1	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	19.93	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	8.21	0.04	U	13.05	0.05	U	32.04	0.16
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	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	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 Detection 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	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	209.9	247.1	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>
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	0.65	0.003 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	0.22	0.001 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	ND	ND	ND	ND	1.63	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 Detection Limit



# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

<b>Sample I.D.</b>	24151	24148	24299
<b>File I.D.</b>	ENG2669.D	ENG2673.D	ENG2711.D
<b>Date Sampled</b>	11/18/2001	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	198.8	219.2	192.4

<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	9.11	0.05	U	3.80	0.02	U	8.58	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	0.08	U	13.35	0.06	U	13.61	0.07	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	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	
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		0.22	0.001	U
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Chester, NJ (CHNJ)

## 2001 Final Data Report

<b>Sample I.D.</b>	24151	24148	24299
<b>File I.D.</b>	ENG2669.D	ENG2673.D	ENG2711.D
<b>Date Sampled</b>	11/18/2001	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	198.8	219.2	192.4

<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	0.81	0.004	U	ND	ND		0.43	0.002	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	11.98	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	0.27	0.001	U	0.22	0.001	U	0.53	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	ND	ND		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	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	201.9	230.8	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	4.44	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	14.91	0.07	U	18.75	0.08		12.48	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	5.26	0.03	U	6.06	0.03	U	3.28	0.01	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	ND	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	201.9	230.8	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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.64	0.003	U	1.06	0.005	U	0.66	0.003	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	0.56	0.003	U	0.64	0.003	U	0.37	0.001	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	ND	ND		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	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	199.3	204.7	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>
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	15.23	0.08	U	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	14.16	0.07		2.53	0.01	U	ND	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	20.36	0.10		5.66	0.03	U	3.96	0.02 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	8.61	0.04	U	1.52	0.01	U	1.27	0.01 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	0.26	0.001	U	ND	ND		ND	ND
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	199.3	204.7	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 Detection 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 (µg)</u>	<u>Final µg/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-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	ND	ND	
2,4-Dinitrotoluene	ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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 (µg)</u>	<u>Final µg/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	



# 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	U
2,4-Dinitrotoluene	ND	ND	ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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 Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI) 2001 Final Data Report

<b>Sample I.D.</b>	20034	20179	20186
<b>File I.D.</b>	VOID	ENG1998.D	VOID
<b>Date Sampled</b>	5/1/2001	5/7/2001	5/13/2001
<b>Date Analyzed</b>	VOID	6/15/2001	VOID
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
		199.2	

<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>	<u>Final µg/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			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-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			5.90	0.03		
2,4-Dinitrotoluene			ND	ND		

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI) 2001 Final Data Report

<b>Sample I.D.</b>	20034	20179	20186
<b>File I.D.</b>	VOID	ENG1998.D	VOID
<b>Date Sampled</b>	5/1/2001	5/7/2001	5/13/2001
<b>Date Analyzed</b>	VOID	6/15/2001	VOID
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
		199.2	

<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>	<u>Final µg/m<sup>3</sup></u>
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 Detection 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> )	195.7	Actual Vol (m <sup>3</sup> )	181.9

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
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			16.18	0.08	U	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
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-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			6.59	0.03	1.28	0.01
2,4-Dinitrotoluene			ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI) 2001 Final Data Report

<b>Sample I.D.</b>	20335	20336		20462
<b>File I.D.</b>	VOID	ENG2017.D		ENG2032.D
<b>Date Sampled</b>	5/19/2001	5/25/2001		5/31/2001
<b>Date Analyzed</b>	VOID	6/16/2001		6/21/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	195.7	Actual Vol (m <sup>3</sup> ) 181.9

<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			6.13	0.03	1.40	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			5.50	0.03	1.27	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			8.16	0.04	2.61	0.01
Dinoseb			ND	ND	ND	ND
Anthracene			0.23	0.001	ND	ND
Carbazole			ND	ND	ND	ND
Di-n-butyl phthalate			35.52	0.18	16.59	0.09
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)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 Detection 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
		Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
		181.5	169.6

<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	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	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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
		Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
		181.5	169.6

<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	1.97	0.01	10.35	0.06
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	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	4.47	0.02	19.00	0.11
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

U

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	169.6		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
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-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	11.56	0.07			29.15	0.16
2,4-Dinitrotoluene	ND	ND			ND	ND

U

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	169.6		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
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)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 Detection 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

<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	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-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	61.29	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-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	4.68	0.03	U	7.12	0.04	2.88	0.02	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 (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> )	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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	4.28	0.02	U	6.10	0.04	U	3.82	0.02	U
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		9.69	0.06	
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	5.63	0.03	U	3.51	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	8.54	0.05	U	13.58	0.08		6.66	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	159.93	0.87		49.35	0.30		130.30	0.78	
Benidine	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		1.62	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 Detection 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		
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	ND	ND	ND		
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	ND	6.62	0.04		U
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	ND	80.59	0.43		
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	ND	60.59	0.33		
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	ND	ND	ND		
2,4-Dinitrophenol	ND	ND	ND		
4-Nitrophenol	ND	ND	ND		
Acenaphthene	ND	29.92	0.16		
2,4-Dinitrotoluene	ND	ND	ND		

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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>
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		U
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		U
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		U
Pyrene	ND	4.93	0.03		U
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		U
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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	171.0	177.6	165.0

<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	59.67	0.35	18.47	0.10	4.50	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	173.08	1.01	93.05	0.52	44.99	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	88.58	0.52	27.67	0.16	42.09	0.26
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	0.86	0.01 U	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	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 Detection 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	177.6	165.0

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	9.56	0.06	3.33	0.02	9.17	0.06
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	3.24	0.02	7.87	0.05
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	14.77	0.09	6.66	0.04	13.36	0.08
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
Benidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	1.05	0.01	1.87	0.01
Pyrene	0.84	0.005	ND	ND	1.30	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	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 (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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	184.7		182.6

<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	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-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	5.35	0.03	U	9.20	0.05
2,4-Dinitrotoluene	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	184.7		182.6

<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	5.36	0.03	U	ND	7.31	0.04	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	5.13	0.03	U	ND	6.99	0.04	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	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	
Benidine	ND	ND		ND	ND	ND	
Isodrin	ND	ND		ND	ND	ND	
Fluoranthene	2.27	0.01	U	ND	1.97	0.01	U
Pyrene	1.51	0.01	U	ND	1.00	0.01	U
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	0.005	U
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 (Dearborn - DEMI) 2001 Final Data Report

Sample I.D.	22780	22781	22870	
File I.D.	ENG2396.D	VOID	ENG2428.D	
Date Sampled	9/4/2001	9/10/2001	9/16/2001	
Date Analyzed	9/24/2001	VOID	10/2/2001	
	Actual Vol (m <sup>3</sup> )	181.5	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> ) 196.7

<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
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-Dinitrobenzene	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 Detection Limit

# SemiVolatile Samples - Detroit, MI (Dearborn - DEMI) 2001 Final Data Report

Sample I.D.	22780	22781	22870
File I.D.	ENG2396.D	VOID	ENG2428.D
Date Sampled	9/4/2001	9/10/2001	9/16/2001
Date Analyzed	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> )
	181.5		196.7

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	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	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	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	
Benidine	ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND	
Fluoranthene	ND	ND		4.20	0.02	U
Pyrene	ND	ND		0.59	0.003	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		0.98	0.005	U
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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	184.2	230.5	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	
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	59.17	0.32		45.49	0.20		53.41	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	38.69	0.21		29.92	0.13		35.31	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-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	0.61	0.003	U	ND	ND		ND	ND	
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	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	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	184.2	230.5	181.2

<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>	<u>Final µg/m<sup>3</sup></u>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	5.31	0.03	U	1.78	0.01	U	5.47	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	4.44	0.02	U	1.89	0.01	U	5.55	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	8.48	0.05	U	3.82	0.02	U	9.82	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	27.17	0.15		17.39	0.08		17.89	0.10	
Benzydine	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	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)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 (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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	184.2	208.5	190.6

<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	7.69	0.04	U	13.27	0.06	56.86	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	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-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	1.59	0.01	U		
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	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 (Dearborn - DEMI)

## 2001 Final Data Report

Sample I.D.	23375	23450	23574
File I.D.	ENG2537.D	ENG2560.D	ENG2575.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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	184.2	208.5	190.6

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	6.44	0.03	U	1.76	0.01	U	5.04	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	5.93	0.03	U	1.54	0.01	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	10.49	0.06		3.54	0.02	U	8.16	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	27.86	0.15		ND	ND		13.29	0.07	U
Benidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	1.44	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 Detection 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

<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	23.02	0.10	22.07	0.12	U	25.97	0.15	
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	11.75	0.05	14.68	0.08		9.06	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	46.14	0.20	86.05	0.47		39.90	0.24	
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	29.40	0.13	60.86	0.33		30.24	0.18	
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	1.92	0.01	U	0.82	0.005	U
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	
Acenaphthene	2.06	0.01	U	11.14	0.06	3.99	0.02	U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	232.0	183.6	168.5

<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	2.21	0.01	U	8.19	0.04	U	3.40	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	2.89	0.01	U	7.79	0.04	U	3.63	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	4.44	0.02	U	12.63	0.07		7.42	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	9.64	0.04	U	18.10	0.10		ND	ND	
Benidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		1.23	0.01	U	0.93	0.01	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 Detection 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	9.94	0.04
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	8.43	0.03	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	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-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	1.43	0.01	1.84	0.01	1.25	0.01
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	3.51	0.02
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	6.26	0.03	U	5.49	0.02	U	3.88	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	5.83	0.03	U	4.79	0.02	U	3.78	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	13.31	0.07		13.34	0.05		6.91	0.03	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		1.23	0.005	U	ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	20.17	0.10		ND	ND		10.08	0.04	U
Benidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	1.73	0.01	U	1.96	0.01	U	1.10	0.005	U
Pyrene	2.61	0.01	U	2.36	0.01	U	0.85	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		ND	ND		1.87	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	183.6	232.4	209.5

<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	32.59	0.18	18.89	0.08	U	34.37	0.16		
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	7.16	0.04	U	15.65	0.07	25.89	0.12		
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	2.76	0.02	U	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	56.31	0.31	59.06	0.25	146.34	0.70			
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	46.94	0.26	42.14	0.18	44.25	0.21			
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	2.07	0.01	U	1.42	0.01	U	3.32	0.02	U
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthene	4.26	0.02	U	2.61	0.01	U	1.68	0.01	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 (Dearborn - DEMI)

## 2001 Final Data Report

Sample I.D.	24381	24542	24634
File I.D.	ENG2734.D	ENG2752.D	ENG2770.D
Date Sampled	12/3/2001	12/9/2001	12/15/2001
Date Analyzed	1/15/2002	1/16/2002	1/16/2002
Actual Vol (m <sup>3</sup> )	183.6	232.4	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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	4.53	0.02	U	2.87	0.01	U	2.57	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	4.38	0.02	U	3.57	0.02	U	2.85	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	8.93	0.05	U	6.79	0.03	U	7.10	0.03	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	0.73	0.004	U	ND	ND		0.66	0.003	U
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	15.83	0.09		ND	ND		8.05	0.04	U
Benidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	1.14	0.01	U	ND	ND		1.13	0.01	U
Pyrene	1.26	0.01	U	ND	ND		0.87	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		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 (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

<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>	
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	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	2.85	0.01	U
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	0.63	0.002	U
2,4-Dinitrophenol	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	
Acenaphthene	2.42	0.01	2.68	0.01	U
2,4-Dinitrotoluene	ND	ND	ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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

<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	2.54	0.01	U	3.03	0.01	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	3.66	0.02	U	2.15	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	6.03	0.03	U	4.19	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	0.93	0.004	U	0.81	0.003	U
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)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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>162.9</b>	<b>181.7</b>	<b>183.2</b>

<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	21.56	0.13	21.36	0.12	23.01	0.13
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	50.45	0.31	30.99	0.17	40.38	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	33.21	0.20	13.95	0.08	23.81	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	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	13.90	0.09	3.11	0.02	4.36	0.02
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>162.9</b>	<b>181.7</b>	<b>183.2</b>

<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	13.58	0.08	2.66	0.01	U	3.56	0.02	U
Pentachlorobenzene	ND	ND	ND	ND		ND	ND	
1-Naphthylamine	ND	ND	ND	ND		ND	ND	
Diethyl phthalate	62.49	0.38	ND	ND		127.74	0.70	
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	11.70	0.07	2.78	0.02	U	3.63	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	24.29	0.15	6.12	0.03	U	7.82	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	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 - 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>183.2</b>	<b>174.3</b>	<b>170.5</b>

<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	0.02	U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>183.2</b>	<b>174.3</b>	<b>170.5</b>

<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	4.82	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	166.3	113.9	143.2

<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>	<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	43.09	0.26	62.54	0.55	12.69	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	72.80	0.44	49.30	0.43	46.31	0.32
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	36.07	0.22	20.57	0.18	36.87	0.26
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	7.40	0.04	3.22	0.03	8.52	0.06
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>166.3</b>	<b>113.9</b>	<b>143.2</b>

<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	7.55	0.05	U	4.02	0.04	U	7.21	0.05	U
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	0.04	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	13.07	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	0.01	U
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 Detection 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

<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	59.48	0.35	43.05	0.24	16.03	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	98.24	0.59	43.23	0.24	33.25	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	51.61	0.31	21.16	0.12	17.83	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	7.83	0.05	3.12	0.02	2.71	0.02
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	167.7	176.9	151.8

<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	8.32	0.05	U	3.51	0.02	U	3.30	0.02	U
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	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	7.72	0.05	U	2.91	0.02	U	2.37	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	14.15	0.08		5.92	0.03	U	5.40	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	1.52	0.01	U	0.84	0.005	U	0.56	0.004	U
Pyrene	0.98	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	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	148.6	171.9	186.0

<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	17.72	0.12	75.46	0.44	31.92	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	38.97	0.26	61.03	0.36	49.66	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	23.98	0.16	26.50	0.15	25.91	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	0.52	0.004	U	0.56	0.003	U
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	4.75	0.03	U	2.48	0.01	U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	148.6	171.9	186.0

<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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	4.86	0.03	U	3.03	0.02	U	4.21	0.02	U
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	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	10.22	0.07	U	5.06	0.03	U	7.68	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	1.41	0.01	U	1.18	0.01	U	0.92	0.005	U
Pyrene	0.75	0.01	U	ND	ND		0.63	0.003	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>181.0</b>	<b>177.7</b>	<b>167.3</b>

<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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	181.0	177.7	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>	
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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	188.6	195.7	

<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		
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	61.11	0.32	28.98	0.15		
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	55.75	0.30	50.55	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	31.75	0.17	25.93	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	1.04	0.01	0.63	0.003		U
2,4-Dinitrophenol	ND	ND	ND	ND		
4-Nitrophenol	ND	ND	ND	ND		
Acenaphthene	2.72	0.01	3.02	0.02		U
2,4-Dinitrotoluene	ND	ND	ND	ND		

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	188.6	195.7	

<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	2.75	0.01	U	3.58	0.02	U		
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	51.36	0.27		16.09	0.08			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	2.95	0.02	U	3.19	0.02	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	5.46	0.03	U	6.50	0.03	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	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 - 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	215.6	217.3	218.4

<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	18.29	0.08	U	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	33.10	0.15		23.97	0.11		25.03	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	56.50	0.26		45.51	0.21		98.50	0.45	
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	25.04	0.12		21.86	0.10		63.34	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-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	0.82	0.004	U	ND	ND		2.01	0.01	U
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND		ND	ND	
Acenaphthene	3.61	0.02	U	1.73	0.01	U	6.30	0.03	
2,4-Dinitrotoluene	ND	ND		ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	215.6	217.3	218.4

<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	4.24	0.02	U	1.68	0.01	U	6.34	0.03	U
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	0.71	
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	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	7.34	0.03	U	3.45	0.02	U	9.72	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	1.63	0.01	U	ND	ND		1.28	0.01	U
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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	182.5	180.4	188.6

<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	32.68	0.18	62.18	0.34	153.97	0.82
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	70.11	0.38	69.90	0.39	160.71	0.85
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	36.06	0.20	31.00	0.17	72.65	0.39
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	1.50	0.01	4.00	0.02
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	2.30	0.01	1.98	0.01	4.11	0.02
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>182.5</b>	<b>180.4</b>	<b>188.6</b>

<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	2.14	0.01	U	2.14	0.01	U	4.31	0.02	U
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	4.49	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	4.28	0.02	U	4.47	0.02	U	8.81	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		0.52	0.003	U	1.39	0.01	U
Pyrene	ND	ND		ND	ND		1.64	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		1.46	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	196.5	188.5	205.3

<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	46.86	0.24	12.96	0.07	7.34	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	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	0.04 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	1.17	0.0060 U	ND	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	0.43	0.002 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	196.5	188.5	205.3

<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	1.29	0.01	U	0.74	0.004	U	0.57	0.003	U
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	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	2.94	0.01	U	1.14	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	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 Detection Limit

# SemiVolatile Samples - Elizabeth, NJ 2001 Final Data Report

<b>Sample I.D.</b>	24929	
<b>File I.D.</b>	ENG2790.D	
<b>Date Sampled</b>	12/27/2001	
<b>Date Analyzed</b>	1/17/2002	
	Actual Vol (m <sup>3</sup> )	168.8

<u>Compound</u>	<u>Final Conc (µg)</u>	<u>Final µg/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-Dinitrobenzene	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 Detection 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 (µg)</u>	<u>Final µg/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	

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

<b>Sample I.D.</b>	19927	20038	20187
<b>File I.D.</b>	ENG1979.D	ENG1994.D	ENG2007.D
<b>Date Sampled</b>	4/19/2001	5/1/2001	5/13/2001
<b>Date Analyzed</b>	5/24/2001	5/25/2001	6/15/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	202.3	193.5	215.1

<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	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-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	0.98	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	0.01

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

<b>Sample I.D.</b>	19927	20038	20187
<b>File I.D.</b>	ENG1979.D	ENG1994.D	ENG2007.D
<b>Date Sampled</b>	4/19/2001	5/1/2001	5/13/2001
<b>Date Analyzed</b>	5/24/2001	5/25/2001	6/15/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	202.3	193.5	215.1

<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	0.75	0.004	U	3.73	0.02	U	1.97	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	0.43	0.002	U	3.37	0.02	U	1.78	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	1.95	0.01	U	7.47	0.04	U	4.23	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		3.30	0.02	U	2.74	0.01	U
Benzydine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	ND	ND		ND	ND		2.97	0.01	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		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 Detection Limit



# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

<b>Sample I.D.</b>	20337	20569	21016
<b>File I.D.</b>	ENG2018.D	ENG2042.D	VOID
<b>Date Sampled</b>	5/25/2001	6/6/2001	6/18/2001
<b>Date Analyzed</b>	6/16/2001	6/22/2001	
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	208.2	207.6	

<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		
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	43.92	0.21	43.47	0.21		
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	69.14	0.33	87.69	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	35.04	0.17	48.17	0.23		
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	0.40	0.002	U	0.40	0.002	U
2,4-Dinitrotoluene	ND	ND	ND	ND		

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

<b>Sample I.D.</b>	20337	20569	21016
<b>File I.D.</b>	ENG2018.D	ENG2042.D	VOID
<b>Date Sampled</b>	5/25/2001	6/6/2001	6/18/2001
<b>Date Analyzed</b>	6/16/2001	6/22/2001	
	Actual Vol (m <sup>3</sup> )	208.2	Actual Vol (m <sup>3</sup> ) 207.6
			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			
Dibenzofuran	0.86	0.004	U	0.70	0.003	U		
Pentachlorobenzene	ND	ND		ND	ND			
1-Naphthylamine	ND	ND		ND	ND			
Diethyl phthalate	2.02	0.01	U	13.19	0.06			
2,3,4,6-Tetrachlorophenol	ND	ND		ND	ND			
4-Nitroaniline	ND	ND		ND	ND			
4-Chlorophenyl-phenyl ether	ND	ND		ND	ND			
Fluorene	0.60	0.003	U	0.69	0.003	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	2.36	0.01	U	3.05	0.01	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	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)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 Detection 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

<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	13.35	0.07	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	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-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	0.60	0.003	U
2,4-Dinitrophenol	ND	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	ND	
Acenaphthene	1.04	0.005	U	2.08	0.01	U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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

<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	3.81	0.02	U	ND	2.31
Pentachlorobenzene	ND	ND	ND	ND	0.01
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	2.89	0.01	U	ND	2.88
5-Nitro-o-toluidine	ND	ND	ND	ND	0.02
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	7.71	0.04	U	ND	7.27
Dinoseb	ND	ND	ND	ND	0.04
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-Acetylamino fluorene	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 (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

<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>	
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	20.10	0.10	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	79.24	0.39		21.26	0.10	
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	177.80	0.88		44.80	0.21	
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	89.74	0.45		26.34	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	1.26	0.01	U	ND	ND	
2,4-Dinitrophenol	ND	ND		ND	ND	
4-Nitrophenol	ND	ND		ND	ND	
Acenaphthene	3.64	0.02	U	0.89	0.004	U
2,4-Dinitrotoluene	ND	ND		ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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

<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	4.38	0.02	U	ND	1.15
Pentachlorobenzene	ND	ND	ND	ND	0.01
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	0.01
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	0.01
Anthracene	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	ND	ND	1.01	0.005
Benzdine	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 Detection Limit

# SemiVolatile Samples - Detroit, MI (E7 Mile - E7MI)

## 2001 Final Data Report

<b>Sample I.D.</b>	22614	22875	23041
<b>File I.D.</b>	ENG2389.D	ENG2422.D	ENG2457.D
<b>Date Sampled</b>	8/29/2001	9/10/2001	9/22/2001
<b>Date Analyzed</b>	9/23/2001	10/2/2001	10/19/2001
	Actual Vol (m <sup>3</sup> )	201.3	Actual Vol (m <sup>3</sup> )
			205.8
			Actual Vol (m <sup>3</sup> )
			213.1

<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	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-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	1.07	0.01	U	ND	2.50	0.01	U		
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND		
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND		
Acenaphthene	1.25	0.01	U	0.60	0.003	U	2.22	0.01	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 (E7 Mile - E7MI)

## 2001 Final Data Report

<b>Sample I.D.</b>	22614	22875	23041
<b>File I.D.</b>	ENG2389.D	ENG2422.D	ENG2457.D
<b>Date Sampled</b>	8/29/2001	9/10/2001	9/22/2001
<b>Date Analyzed</b>	9/23/2001	10/2/2001	10/19/2001
	Actual Vol (m <sup>3</sup> )	201.3	Actual Vol (m <sup>3</sup> )
			205.8
			Actual Vol (m <sup>3</sup> )
			213.1

<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	1.45	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)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 (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> )

<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	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-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	0.90	0.004	U	0.25	0.001	U	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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

<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		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	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	4.07	0.02	U	1.41	0.01	U	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
Benidine	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	232.5	203.1	235.0

<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	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-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	1.04	0.004	U
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	ND	ND	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	232.5	203.1	235.0

<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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	0.59	0.003	U	0.78	0.004	U	1.49	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	0.60	0.003	U	0.67	0.003	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	1.72	0.01	U	1.95	0.01	U	3.20	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	
Benzdine	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 (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> )	Actual Vol (m <sup>3</sup> )
		188.9	

<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>
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-Dinitrobenzene	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 Detection 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> )	Actual Vol (m <sup>3</sup> )
		188.9	

<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>
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 Detection 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

<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>	
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	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	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	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND
Acenaphthene	0.37	0.002	U	0.18	0.001 U
2,4-Dinitrotoluene	ND	ND	ND	ND	ND

D - Dilution

ND - Not Detected

U - Under Detection 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

<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	0.97	0.005	U	0.66	0.003	U
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	0.002	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	2.61	0.01	U	1.20	0.01	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	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)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	



# SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI) 2001 Final Data Report

Sample I.D.	19919	20027	20032			
File I.D.	VOID	VOID	ENG1987.D			
Date Sampled	4/19/2001	4/25/2001	5/1/2001			
Date Analyzed			5/25/2001			
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	198.0		
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
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
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
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

Sample I.D.	19919	20027	20032				
File I.D.	VOID	VOID	ENG1987.D				
Date Sampled	4/19/2001	4/25/2001	5/1/2001				
Date Analyzed			5/25/2001				
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	198.0			
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	
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 Detection Limit

# SemiVolatile Samples - Detroit, MI (696/Lodge - LOMI)

## 2001 Final Data Report

<b>Sample I.D.</b>	20180	20184 - Field Blank	20185
<b>File I.D.</b>	ENG1999.D	ENG2003.D	ENG2004.D
<b>Date Sampled</b>	5/7/2001	5/13/2001	5/13/2001
<b>Date Analyzed</b>	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

<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	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-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	0.83	0.004	U	1.31	0.01	U
2,4-Dinitrotoluene	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>	20180	20184 - Field Blank	20185
<b>File I.D.</b>	ENG1999.D	ENG2003.D	ENG2004.D
<b>Date Sampled</b>	5/7/2001	5/13/2001	5/13/2001
<b>Date Analyzed</b>	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

<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	2.02	0.01	U	ND	1.73	0.01	U
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	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	5.26	0.03	U	ND	6.00	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	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	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 (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> ) 233.4

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	35.54	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-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	0.64	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	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>	20338	20339	20463
<b>File I.D.</b>	ENG2019.D	ENG2020.D	ENG2033.D
<b>Date Sampled</b>	5/19/2001	5/25/2001	5/31/2001
<b>Date Analyzed</b>	6/16/2001	6/16/2001	6/21/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	256.6	248.4	233.4

<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	3.90	0.02	U	2.21	0.01	U	1.57	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	3.71	0.01	U	2.54	0.01	U	1.54	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	10.81	0.04		6.82	0.03	U	4.79	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	31.90	0.12		43.33	0.17		12.09	0.05	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	1.70	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)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 (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>
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-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	1.28	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	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.	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> ) 229.1	Actual Vol (m <sup>3</sup> ) 214.8	Actual Vol (m <sup>3</sup> ) 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	0.04	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	1.97	0.01	U	ND	ND		7.31	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	6.00	0.03	U	11.54	0.05		19.61	0.09	
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	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)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 (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

<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	17.52	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	52.37	0.23	9.40	0.04 U	ND	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-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	2.65	0.01 U	2.25	0.01 U	1.96	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 (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

<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	4.20	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)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 (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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	210.7	239.1	220.1

<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	8.11	0.04	U	21.19	0.09		6.16	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	34.12	0.16		76.23	0.32		51.05	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	17.21	0.08		30.48	0.13		25.64	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		0.34	0.002	U
2,4-Dinitrophenol	ND	ND		ND	ND		ND	ND	
4-Nitrophenol	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	

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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	210.7	239.1	220.1

<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	1.59	0.01	U	4.13	0.02	U	3.17	0.01	U
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	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	5.23	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	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 Detection 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

<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	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-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	2.01	0.01	U	3.83	0.02	U	1.81	0.01	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 (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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	251.7	180.9	228.0

<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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	4.40	0.02	U	4.64	0.03	U	2.95	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	3.98	0.02	U	4.67	0.03	U	2.57	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	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	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)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 (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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	243.6	231.1	267.6

<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	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-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	41.71	0.17		72.05	0.31	92.72
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
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	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	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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	243.6	231.1	267.6

<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	1.13	0.005	U	2.17	0.01	U	3.54	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	1.01	0.004	U	2.42	0.01	U	4.06	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	4.03	0.02	U	7.39	0.03	U	10.39	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	11.38	0.05	U	14.86	0.06		18.20	0.07	
Benidine	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	0.01	U
Pyrene	ND	ND		0.81	0.004	U	1.15	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		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>	22784	22785	22871
<b>File I.D.</b>	VOID	ENG2417.D	ENG2429.D
<b>Date Sampled</b>	9/4/2001	9/10/2001	9/16/2001
<b>Date Analyzed</b>		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

<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
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	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-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			0.49	0.002	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

<b>Sample I.D.</b>	22784	22785	22871
<b>File I.D.</b>	VOID	ENG2417.D	ENG2429.D
<b>Date Sampled</b>	9/4/2001	9/10/2001	9/16/2001
<b>Date Analyzed</b>		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

<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			0.73	0.003	U	2.35
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			0.89	0.004	U	2.14
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			2.90	0.01	U	5.24
Dinoseb			ND	ND		ND
Anthracene			ND	ND		ND
Carbazole			ND	ND		ND
Di-n-butyl phthalate			10.93	0.05	U	ND
Benzidine			ND	ND		ND
Isodrin			ND	ND		ND
Fluoranthene			0.18	0.001	U	0.65
Pyrene			ND	ND		0.55
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 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	241.4	276.2	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>
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	13.70	0.06	18.58	0.07	11.55	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	99.03	0.41	38.39	0.14	51.03	0.18
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	41.47	0.17	22.30	0.08	23.05	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	3.80	0.02	0.63	0.002	1.15	0.004
2,4-Dinitrotoluene	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.	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	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	2.31	0.01	U	0.74	0.003	U	1.56	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	4.40	0.02	U	2.52	0.01	U	2.63	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	0.88	0.004	U	1.05	0.004	U	ND	ND	
Pyrene	0.52	0.002	U	0.29	0.001	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)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 (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

<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	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-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	0.94	0.004	U
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	U
2,4-Dinitrotoluene	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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	237.1	262.4	237.9

<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	2.00	0.01	U	0.65	0.002	U	5.44	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	2.02	0.01	U	0.65	0.002	U	5.14	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	4.51	0.02	U	1.74	0.01	U	8.75	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		ND	ND		1.28	0.01	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)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 (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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	266.3	263.2	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 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	20.62	0.08	30.00	0.11	8.06	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	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-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	1.76	0.01 U	0.92	0.003 U
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	0.96	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 (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

<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	1.39	0.01	U	2.57	0.01	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	1.39	0.01	U	2.74	0.01	U	1.68	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	2.45	0.01	U	4.31	0.02	U	3.30	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	291.5	264.2	296.7

<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	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-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	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

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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	291.5	264.2	296.7

<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	2.35	0.01	U	1.23	0.005	U	1.77	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	2.72	0.01	U	1.52	0.01	U	1.35	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	5.48	0.02	U	3.00	0.01	U	4.21	0.01	U
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	
Benidine	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)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>	24377	24541	24635
<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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	241.7	256.7	255.6

<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	12.88	0.05	12.93	0.05	26.60	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	3.61	0.01	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	87.81	0.36	62.11	0.24	94.50	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	39.10	0.16	27.34	0.11	42.32	0.17
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	1.86	0.01	U	1.34	0.01	U
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	1.22	0.01	U	0.64	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 (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> ) 255.6

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	2.07	0.01	U	1.37	0.01	U	1.61	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	1.80	0.01	U	1.18	0.005	U	1.54	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	4.41	0.02	U	2.73	0.01	U	3.99	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	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	
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	2.48	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)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 (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

<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>	
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	ND	ND	U
2,4-Dinitrophenol	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	
Acenaphthene	0.69	0.003	0.17	0.001	U
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

<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	1.29	0.01	U	0.82	0.003	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	1.43	0.01	U	0.58	0.002	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	3.09	0.01	U	1.78	0.01	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	ND		ND	ND	
Pyrene	0.93	0.004	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)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	

# 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	193.9	227.6	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	ND		17.87	0.10	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	ND	ND		10.37	0.05	U	8.65	0.05	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	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	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	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	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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	193.9	227.6	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>		
2-Naphthylamine	ND	ND	ND	ND	ND	ND		
Dibenzofuran	ND	ND	1.60	0.01	U	1.57	0.01	U
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	U
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	U
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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	211.7	203.5	206.6

<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	14.38	0.07	9.06	0.04	U	20.92	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	16.64	0.08	29.21	0.14	23.83	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	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			
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	30.65	0.14	43.44	0.21	17.11	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	0.95	0.004	U	3.48	0.02	U	0.97	0.005	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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	211.7	203.5	206.6

<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	1.77	0.01	U	4.72	0.02	U	1.23	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	1.58	0.01	U	3.96	0.02	U	1.18	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	3.10	0.01	U	8.80	0.04	U	2.36	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	55.81	0.26		111.66	0.55		47.21	0.23	
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	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 - 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	203.7	236.9	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	2.26	0.01
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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	203.7	236.9	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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	3.91	0.02	U	4.70	0.02	U	2.74	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	3.25	0.02	U	ND	ND		2.01	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	6.83	0.03	U	8.27	0.03	U	5.62	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	79.36	0.39		51.24	0.22		63.00	0.28	
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	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	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 Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

<b>Sample I.D.</b>	22452	22569	22702
<b>File I.D.</b>	VOID	ENG2382.D	ENG2402.D
<b>Date Sampled</b>	8/23/2001	8/29/2001	9/4/2001
<b>Date Analyzed</b>		9/23/2001	10/1/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
		213.6	208.6

<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
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			14.39	0.07	12.15	0.06
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			27.24	0.13	19.90	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			9.68	0.05	7.25	0.03
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			9.73	0.05	5.91	0.03
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			2.23	0.01	1.34	0.01
2,4-Dinitrotoluene			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	22569	22702
<b>File I.D.</b>	VOID	ENG2382.D	ENG2402.D
<b>Date Sampled</b>	8/23/2001	8/29/2001	9/4/2001
<b>Date Analyzed</b>		9/23/2001	10/1/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
		213.6	208.6

<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
Dibenzofuran			2.48	0.01	1.66	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			1.99	0.01	1.34	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			4.95	0.02	3.01	0.01
Dinoseb			ND	ND	ND	ND
Anthracene			ND	ND	ND	ND
Carbazole			ND	ND	ND	ND
Di-n-butyl phthalate			56.12	0.26	26.40	0.13
Benzidine			ND	ND	ND	ND
Isodrin			ND	ND	ND	ND
Fluoranthene			0.84	0.004	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 - 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	247.5	198.9	228.5

<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	9.35	0.04	U	27.57	0.14		13.73	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	21.71	0.09		30.17	0.15		23.22	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	9.27	0.04	U	10.07	0.05	U	8.78	0.04	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	11.98	0.05		ND	ND		6.88	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	2.25	0.01	U	1.64	0.01	U	1.84	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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	247.5	198.9	228.5

<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	2.65	0.01	U	2.27	0.01	U	2.11	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	2.20	0.01	U	1.66	0.01	U	1.75	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	5.59	0.02	U	2.44	0.01	U	4.24	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	66.25	0.27		17.55	0.09		39.09	0.17	
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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>212.3</b>	<b>227.6</b>	<b>218.1</b>

<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	8.80	0.04	U	18.26	0.08		ND	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	18.50	0.09		49.15	0.22		36.39	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	7.50	0.04	U	13.08	0.06		12.65	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	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	1.87	0.01
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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	212.3	227.6	218.1

<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	0.72	0.003	U	3.69	0.02	U	2.02	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	0.59	0.003	U	2.91	0.01	U	1.65	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	1.34	0.01	U	5.93	0.03	U	3.18	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	9.94	0.05	U	37.88	0.17		12.83	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	

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	208.1	228.2	221.1

<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	38.27	0.18	21.08	0.09	12.94	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	60.09	0.29	36.49	0.16	16.15	0.07
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	50.23	0.24	14.39	0.06	4.54	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	2.81	0.01 U	1.53	0.01 U	0.25	0.001 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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>208.1</b>	<b>228.2</b>	<b>221.1</b>

<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	2.12	0.01	U	2.31	0.01	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	3.41	0.02	U	1.57	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	7.26	0.03	U	3.13	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	19.80	0.10		21.40	0.09		ND	ND
Benzidine	ND	ND		ND	ND		ND	ND
Isodrin	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
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 - 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	219.0	228.2	243.7

<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	26.86	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	15.29	0.07	13.97	0.06	51.37	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	29.77	0.14	29.47	0.13	70.31	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	11.07	0.05	U	11.56	0.05	28.71	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	1.48	0.01	U	0.86	0.004	U	2.01	0.01	U
2,4-Dinitrotoluene	ND	ND	ND	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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	219.0	228.2	243.7

<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	1.95	0.01	U	ND	ND		3.18	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	1.60	0.01	U	0.54	0.002	U	2.23	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	2.78	0.01	U	ND	ND		4.32	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	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 Detection Limit

# SemiVolatile Samples - New Brunswick, NJ (NBNJ)

## 2001 Final Data Report

<b>Sample I.D.</b>	24150	24302	24393
<b>File I.D.</b>	ENG2675.D	ENG2714.D	ENG2723.D
<b>Date Sampled</b>	11/21/2001	11/27/2001	12/3/2001
<b>Date Analyzed</b>	12/18/2001	1/10/2002	1/14/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	243.7	213.1	211.0

<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	6.81	0.03	U	36.05	0.17		52.54	0.25	
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	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	6.76	0.03	U	14.58	0.07		26.14	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		0.93	0.004	U
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	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>	24150	24302	24393
<b>File I.D.</b>	ENG2675.D	ENG2714.D	ENG2723.D
<b>Date Sampled</b>	11/21/2001	11/27/2001	12/3/2001
<b>Date Analyzed</b>	12/18/2001	1/10/2002	1/14/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>243.7</b>	<b>213.1</b>	<b>211.0</b>

<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	1.26	0.01	U	1.39	0.01		1.87	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	0.72	0.003	U	0.95	0.004		1.67	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	ND	ND		2.27	0.01		2.52	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		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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	209.3	230.4	219.0

<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	18.28	0.09	U	ND	ND		16.13	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	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	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		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	0.003
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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>209.3</b>	<b>230.4</b>	<b>219.0</b>

<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	2.18	0.01	U	0.93	0.004	U	1.33	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	1.67	0.01	U	0.71	0.003	U	1.30	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	2.61	0.01	U	1.49	0.01	U	2.29	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	88.46	0.42		30.56	0.13		25.11	0.11	
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 Detection 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	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	213.3	242.4	184.6

<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	16.04	0.09 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	ND	ND	6.42	0.03 U	7.24	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	4.95	0.02 U	12.79	0.05 U	16.85	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	2.37	0.01 U	4.37	0.02 U	ND	ND
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	ND	ND
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>	24619	24771	24928
<b>File I.D.</b>	ENG2756.D	ENG2786.D	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	<b>213.3</b>	<b>242.4</b>	<b>184.6</b>

<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	ND	ND	ND	ND	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	ND	ND	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	10.88	0.05 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 Detection 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	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-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	1.43	0.01	U	4.63	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 (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>	
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	
Diallylate	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	2.44	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 Detection 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	0.09
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	0.57
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	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-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		3.38	0.01	U	ND	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	0.04
2,4-Dinitrotoluene	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

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>	
2-Naphthylamine	ND	ND		ND	ND		ND	ND	
Dibenzofuran	1.04	0.01	U	12.64	0.06		5.77	0.04	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	1.15	0.01	U	11.17	0.05		4.76	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	2.52	0.01	U	16.49	0.07		9.78	0.07	U
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)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 (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> ) 198.5

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	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	19.44	0.09	20.15	0.10	12.23	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	81.96	0.40	201.62	0.97	68.29	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	43.22	0.21	51.98	0.25	43.11	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	4.24	0.02	U	7.92	0.04	10.43
2,4-Dinitrotoluene	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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	206.7	207.1	198.5

<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	6.33	0.03	U	7.19	0.03	U	8.02	0.04	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	5.81	0.03	U	6.24	0.03	U	7.52	0.04	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	12.62	0.06		12.61	0.06		15.02	0.08	
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		1.17	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		1.34	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)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 (River Ridge - RRMI) 2001 Final Data Report

Sample I.D.	21985 - Field Blank	21986		22217	
File I.D.	ENG2327.D	ENG2328.D		ENG2366.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> )	Actual Vol (m <sup>3</sup> )	190.9	Actual Vol (m <sup>3</sup> )	194.1

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	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-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	14.17	0.07	1.31	0.01
2,4-Dinitrotoluene	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

Sample I.D.	21985 - Field Blank	21986		22217	
File I.D.	ENG2327.D	ENG2328.D		ENG2366.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> )	Actual Vol (m <sup>3</sup> )	190.9	Actual Vol (m <sup>3</sup> )	194.1

Compound	Final Conc (µg)	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	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	ND	ND	
Carbazole	ND	ND	ND	ND	ND	
Di-n-butyl phthalate	ND	2.04	0.01	ND	ND	
Benzidine	ND	ND	ND	ND	ND	
Isodrin	ND	ND	ND	ND	ND	
Fluoranthene	ND	2.98	0.02	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	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 (River Ridge - RRMI)

## 2001 Final Data Report

<b>Sample I.D.</b>	22616	22782 - Field Blank	22783
<b>File I.D.</b>	ENG2393.D	ENG2415.D	ENG2416.D
<b>Date Sampled</b>	8/29/2001	9/10/2001	9/10/2001
<b>Date Analyzed</b>	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	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	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	
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	0.75	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	U
2,4-Dinitrotoluene	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>	22616	22782 - Field Blank	22783
<b>File I.D.</b>	ENG2393.D	ENG2415.D	ENG2416.D
<b>Date Sampled</b>	8/29/2001	9/10/2001	9/10/2001
<b>Date Analyzed</b>	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	U
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	1.12	0.01	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	12.19	0.08	ND	2.99	0.02	U
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	0.67	0.003	U
Pyrene	1.06	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	194.1	203.6	211.7

<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	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	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	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-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	4.64	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	1.26
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	0.01

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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	194.1	203.6	211.7

<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	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	
Benzdine	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

Sample I.D.	23670	23939	24171			
File I.D.	ENG2621.D	ENG2644.D	ENG2685.D			
Date Sampled	10/28/2001	11/9/2001	11/21/2001			
Date Analyzed	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

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	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-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	0.82	0.004	U	0.85	0.004	U	0.62	0.003	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 (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

<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	0.92	0.005	U	0.99	0.005	U	0.95	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	0.72	0.004	U	1.11	0.01	U	0.71	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	1.63	0.01	U	2.56	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	ND	ND		ND	ND		ND	ND	
Benzydine	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 (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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	209.2	243.9	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
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	1.77	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 Detection Limit

# SemiVolatile Samples - Detroit, MI (River Ridge - RRMI)

## 2001 Final Data Report

<b>Sample I.D.</b>	24380	24631	24959
<b>File I.D.</b>	ENG2733.D	ENG2767.D	ENG2797.D
<b>Date Sampled</b>	12/3/2001	12/15/2001	12/27/2001
<b>Date Analyzed</b>	1/15/2002	1/16/2002	1/17/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	209.2	243.9	247.2

<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>	<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	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	1.91	0.01	U	2.18	0.01	U	0.51	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	3.21	0.02	U	3.90	0.02	U	1.19	0.005	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	0.79	0.004	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)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 - 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	229.62	196.07	207.79

<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	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	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> )	Actual Vol (m <sup>3</sup> )	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>	
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
Benzydine	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	

# 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

<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	16.67	0.08	U	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	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	0.010	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>	20564	20633	20941
<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

<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	3.72	0.02	U	3.93
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
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
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
Benzydine	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-Acetylamino fluorene	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
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



# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

<b>Sample I.D.</b>	21122	21270	21309
<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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	215.5	233.3	248.6

<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	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>	21122	21270	21309
<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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	215.5	233.3	248.6

<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	2.66	0.01	U	3.28	0.01	U	3.02	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	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	
Benzydine	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	

## SemiVolatile Samples - St. Louis, MO (SLMO) 2001 Final Data Report

Sample I.D.	21523	21668	21716
File I.D.	SLMO	VOID	VOID
Date Sampled	7/12/2001	7/18/2001	7/24/2001
Date Analyzed	8/17/2001		
	Actual Vol (m <sup>3</sup> )	224.3	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>	<u>Final µg/m<sup>3</sup></u>
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-Dinitrobenzene	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	21668	21716
File I.D.	SLMO	VOID	VOID
Date Sampled	7/12/2001	7/18/2001	7/24/2001
Date Analyzed	8/17/2001		
	Actual Vol (m <sup>3</sup> )	224.3	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>	<u>Final µg/m<sup>3</sup></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				
Benzydine	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				

# 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

<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
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

# 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

<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	
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	
Benidine					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	

# 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
	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>
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-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	1.82	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

<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
	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	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	1.63	0.01	U				4.45	0.02	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	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	U
Benzydine	ND	ND					ND	ND	
Isodrin	ND	ND					ND	ND	
Fluoranthene	1.22	0.01	U				2.14	0.01	U
Pyrene	ND	ND					1.09	0.005	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					1.63	0.01	U
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	



# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

<b>Sample I.D.</b>	22701	22706	22917
<b>File I.D.</b>	ENG2401.D	ENG2406.D	ENG2435.D
<b>Date Sampled</b>	9/4/2001	9/10/2001	9/16/2001
<b>Date Analyzed</b>	10/1/2001	10/1/2001	10/2/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	229.2	227.2	219.5

<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	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-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	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	ND	ND

ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

<b>Sample I.D.</b>	22701	22706	22917
<b>File I.D.</b>	ENG2401.D	ENG2406.D	ENG2435.D
<b>Date Sampled</b>	9/4/2001	9/10/2001	9/16/2001
<b>Date Analyzed</b>	10/1/2001	10/1/2001	10/2/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	229.2	227.2	219.5

<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	6.07	0.03	U	3.48	0.02	U	2.52	0.01	U
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	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	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	12.38	0.05		7.69	0.03	U	4.45	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		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	ND	
Pyrene	1.14	0.005	U	0.69	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	1.75	0.01	U	1.41	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	

# 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

<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	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	0.005	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>	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

<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	2.61	0.01	U	5.38	0.02	U	2.24	0.01	U
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	U
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	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	5.78	0.03	U	7.76	0.03	U	4.62	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	
Benzydine	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	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	

# 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

<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	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	ND

U

ND - Not Detected  
U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

<b>Sample I.D.</b>	23378	23488	23618
<b>File I.D.</b>	ENG2518.D	ENG2564.D	ENG2519.D
<b>Date Sampled</b>	10/10/2001	10/16/2001	10/22/2001
<b>Date Analyzed</b>	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

<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	1.35	0.01	U	ND	ND		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	0.98	0.004	U	ND	ND		1.09	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	2.99	0.01	U	ND	ND		3.06	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	
Benzydine	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	

# 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	Actual Vol (m <sup>3</sup> )	226.9	Actual Vol (m <sup>3</sup> )	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

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	Actual Vol (m <sup>3</sup> )	226.9	Actual Vol (m <sup>3</sup> )	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	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	4.21	0.02	U	2.01	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	ND	ND	8.27	0.04	U	4.06	0.02	U
Dinoseb	ND	ND	ND	ND		ND	ND	
Anthracene	ND	ND	0.64	0.003	U	ND	ND	
Carbazole	ND	ND	ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND	ND	ND		ND	ND	
Benzydine	ND	ND	ND	ND		ND	ND	
Isodrin	ND	ND	ND	ND		ND	ND	
Fluoranthene	ND	ND	1.53	0.01	U	ND	ND	
Pyrene	ND	ND	1.37	0.01	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	2.40	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	



# 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

<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	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	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

<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	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	
Benzydine	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	

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

<b>Sample I.D.</b>	24496	24540	24584
<b>File I.D.</b>	ENG2736.D	ENG2750.D	VOID
<b>Date Sampled</b>	12/3/2001	12/9/2001	12/15/2001
<b>Date Analyzed</b>	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> )

<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			
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	13.63	0.05	U	16.17	0.07	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	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	U		
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> )	248.2	Actual Vol (m <sup>3</sup> ) 229.9
			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			
Dibenzofuran	1.09	0.004	U	1.44	0.01	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	1.12	0.005	U	ND	ND			
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	2.53	0.01	U	2.80	0.01	U		
Dinoseb	ND	ND		ND	ND			
Anthracene	ND	ND		ND	ND			
Carbazole	ND	ND		ND	ND			
Di-n-butyl phthalate	ND	ND		ND	ND			
Benzydine	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			

# 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>
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-Dinitrobenzene	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	0.002
				U

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - St. Louis, MO (SLMO)

## 2001 Final Data Report

Sample I.D.	24757	24927
File I.D.	ENG2779.D	ENG2788.D
Date Sampled	12/21/2001	12/27/2001
Date Analyzed	1/17/2002	1/17/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	245.5	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	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	2.54	0.01	U	0.93	0.003	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	5.08	0.02	U	2.33	0.01	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	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	

# 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	212.6	157.3	265.2

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	13.65	0.06	U	24.34	0.15	37.44	0.14
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		13.25	0.08	56.64	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	123.00	0.58		558.37	3.55	463.11	1.75
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	22.94	0.11		62.63	0.40	75.93	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-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		1.53	0.01	2.02	0.01
2,4-Dinitrophenol	ND	ND		ND	ND	ND	ND
4-Nitrophenol	ND	ND		ND	ND	ND	ND
Acenaphthene	2.19	0.01	U	13.90	0.09	10.59	0.04
2,4-Dinitrotoluene	ND	ND		ND	ND	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )	265.2

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	2.93	0.01	U	17.46	0.11		12.57	0.05	
Pentachlorobenzene	ND	ND		ND	ND		ND	ND	
1-Naphthylamine	ND	ND		ND	ND		ND	ND	
Diethyl phthalate	ND	ND		ND	ND		12.32	0.05	
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	2.56	0.01	U	15.00	0.10		11.01	0.04	
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	4.47	0.02	U	27.39	0.17		18.73	0.07	
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	ND	ND		ND	ND		0.94	0.004	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		6.94	0.04	U	4.86	0.02	U
Pyrene	ND	ND		3.98	0.03	U	3.45	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	1.97	0.01	U	18.22	0.12		18.56	0.07	
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 (South West High School - SWMI)

## 2001 Final Data Report

Sample I.D.	20341	20571	21018 Field Blank
File I.D.	ENG2024.D	ENG2044.D	ENG2128.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> )	268.1	Actual Vol (m <sup>3</sup> ) 225.6

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	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 Detection 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

<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	ND		
Dibenzofuran	3.07	0.01	U	1.79	0.01	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	3.07	0.01	U	2.14	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	5.74	0.02	U	6.00	0.03	U	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)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 (South West High School - SWMI)

## 2001 Final Data Report

Sample I.D.	21019	21322	21516
File I.D.	ENG2129.D/2248.D	ENG2235.D	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> ) 196.2

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	103.89	0.47		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	12.39	0.06		11.41	0.05	29.75	0.15	
Benzyl alcohol	ND	ND		ND	ND	ND	ND	
2-Methylphenol	12.08	0.06		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	37.15	0.17		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	2975.04	13.60	D	99.92	0.44	66.86	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	230.67	1.05		58.19	0.26	40.59	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	8.82	0.04	U	ND	ND	ND	ND	
2,4-Dinitrophenol	ND	ND		ND	ND	ND	ND	
4-Nitrophenol	ND	ND		ND	ND	ND	ND	
Acenaphthene	61.28	0.28		11.68	0.05	2.19	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 (South West High School - SWMI)

## 2001 Final Data Report

<b>Sample I.D.</b>	21019	21322	21516
<b>File I.D.</b>	ENG2129.D/2248.D	ENG2235.D	ENG2266.D
<b>Date Sampled</b>	6/18/2001	6/30/2001	7/12/2001
<b>Date Analyzed</b>	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> )    196.2

<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>	<u>Final µg/m<sup>3</sup></u>	
2-Naphthylamine	ND	ND	ND	ND	ND	ND	
Dibenzofuran	65.54	0.30	12.93	0.06	3.45	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	59.27	0.27	10.18	0.04	2.46	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	72.93	0.33	21.28	0.09	7.66	0.04	U
Dinoseb	ND	ND	ND	ND	ND	ND	
Anthracene	3.12	0.01	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	16.95	0.08	ND	ND	ND	ND	
Pyrene	10.93	0.05	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	2.29	0.01	U	ND	ND	ND	
Chrysene	2.54	0.01	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 Detection 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

<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	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 Detection 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

<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	7.68	0.03	U	22.79	0.10		5.14	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	6.57	0.03	U	22.95	0.10		4.16	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	15.11	0.07		37.90	0.17		6.45	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		1.71	0.01	U	ND	ND	
Benidine	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	0.01	U
Pyrene	1.58	0.01	U	ND	ND		0.73	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	8.21	0.04	U	1.68	0.01	U	0.82	0.004	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 Detection 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

<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	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 Detection 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

<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		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
Benzdine	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)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 (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-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	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-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	1.20	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	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 (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>
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	14.29	0.06	2.81	0.01	1.01	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	14.17	0.06	2.46	0.01	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	16.52	0.07	6.07	0.02	2.59	0.01
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	1.56	0.01	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	2.10	0.01	ND	ND	ND	ND
Pyrene	1.29	0.01	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 (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> )

<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		
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-Dinitrobenzene	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	U
2,4-Dinitrotoluene	ND	ND	ND	ND		

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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> )

<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	1.91	0.01	U	1.59	0.01	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	1.99	0.01	U	1.68	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	3.08	0.01	U	3.70	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	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)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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	206.5	232.6	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-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	2.84	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	ND	ND

D - Dilution  
 ND - Not Detected  
 U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (South West High School - SWMI)

## 2001 Final Data Report

<b>Sample I.D.</b>	24375	24630	24962
<b>File I.D.</b>	ENG2726.D	ENG2766.D	ENG2803.D
<b>Date Sampled</b>	12/3/2001	12/15/2001	12/27/2001
<b>Date Analyzed</b>	1/14/2002	1/16/2002	1/17/2002
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	206.5	232.6	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	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	4.52	0.02	U	1.54	0.01	U	1.05	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	8.63	0.04	U	3.61	0.01	U	2.11	0.01	U
Dinoseb	ND	ND		ND	ND		ND	ND	
Anthracene	0.96	0.004	U	ND	ND		ND	ND	
Carbazole	ND	ND		ND	ND		ND	ND	
Di-n-butyl phthalate	ND	ND		ND	ND		ND	ND	
Benzdine	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	ND	
Pyrene	1.79	0.01	U	0.85	0.004	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	1.01	0.004	U	ND	ND		ND	ND	
Chrysene	0.46	0.002	U	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 (Yellow Freight - YFMI)

## 2001 Final Data Report

<b>Sample I.D.</b>	19923 Field Blank	19924	20029
<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> )	Actual Vol (m <sup>3</sup> )
		232.0	210.6

<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	24.89	0.11	U	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	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	40.12 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	609.37	2.63	D	783.03	3.72
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	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 Detection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

<b>Sample I.D.</b>	19923 Field Blank	19924	20029
<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> )	Actual Vol (m <sup>3</sup> )
		232.0	210.6

<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	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 U
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 U
Di-n-butyl phthalate	ND	14.16	0.06	16.91	0.08
Benidine	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	0.03 U
Benzo(a)anthracene	ND	4.05	0.02 U	8.42	0.04
Chrysene	ND	5.32	0.02 U	10.87	0.05
Di-n-octyl phthalate	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	2.85	0.01 U	4.88	0.02 U
Benzo(k)fluoranthene	ND	2.13	0.01 U	3.33	0.02 U
Benzo(a)pyrene	ND	ND	ND	1.63	0.01 U
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 (Yellow Freight - YFMI)

## 2001 Final Data Report

<b>Sample I.D.</b>	20037	20181	20189
<b>File I.D.</b>	ENG1993.D/2063.D	ENG2000.D/2064.D	ENG2010.D/2065.D
<b>Date Sampled</b>	5/1/2001	5/7/2001	5/13/2001
<b>Date Analyzed</b>	5/25/2001	6/15/2001	6/16/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	195.6	185.9	204.3

<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	27.57	0.14	U	28.11	0.15	U
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	
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	
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	57.65	0.29		92.60	0.50	
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	
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
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
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	
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	
2,4-Dinitrotoluene	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>	20037	20181	20189
<b>File I.D.</b>	ENG1993.D/2063.D	ENG2000.D/2064.D	ENG2010.D/2065.D
<b>Date Sampled</b>	5/1/2001	5/7/2001	5/13/2001
<b>Date Analyzed</b>	5/25/2001	6/15/2001	6/16/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	195.6	185.9	204.3

<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	514.38	2.63	292.59	1.57	249.08	1.22
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	493.50	2.52	286.50	1.54	238.52	1.17
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	789.00	4.03	360.29	1.94	250.37	1.23
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	130.55	0.67	52.93	0.28	40.12	0.20
Carbazole	64.12	0.33	16.68	0.09	10.41	0.05
Di-n-butyl phthalate	49.93	0.26	46.89	0.25	18.51	0.09
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	272.03	1.39	85.97	0.46	44.39	0.22
Pyrene	157.65	0.81	49.60	0.27	26.11	0.13
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	4.38	0.02	ND	ND	ND	ND
Benzo(a)anthracene	18.09	0.09	5.51	0.03	2.58	0.01
Chrysene	22.78	0.12	7.15	0.04	2.88	0.01
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracen	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	11.06	0.06	3.06	0.02	ND	ND
Benzo(k)fluoranthene	7.96	0.04	2.35	0.01	ND	ND
Benzo(a)pyrene	6.30	0.03	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

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 (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	204.9	211.4	222.9

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	12.35	0.06	83.62	0.38
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	68.33	0.33	426.62	2.02	281.93	1.26
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	51.24	0.25	9.36	0.04	48.08	0.22
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	7.03	0.03	40.12	0.19	45.39	0.20
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	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
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	1862.05	9.09	11360.68	53.75	6457.76	28.97
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	151.43	0.74	769.86	3.64	576.67	2.59
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	2.70	0.01	18.58	0.09	6.58	0.03
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	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

D - Dilution  
 ND - Not Detected  
 U - Under Detection 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 (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	204.9	211.4	222.9

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>
2-Naphthylamine	ND	ND	ND	ND	ND	ND
Dibenzofuran	27.02	0.13	333.09	1.58	129.21	0.58
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	23.49	0.11	345.50	1.63	131.38	0.59
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	44.98	0.22	366.13	1.73	179.28	0.80
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	3.11	0.02	U	79.80	0.38	19.74
Carbazole	ND	ND	27.06	0.13	5.89	0.03
Di-n-butyl phthalate	31.97	0.16	14.41	0.07	19.84	0.09
Benzidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	9.13	0.04	U	102.54	0.49	28.44
Pyrene	6.49	0.03	U	70.10	0.33	22.17
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	6.10	0.03	U	ND
Chrysene	ND	ND	8.61	0.04	U	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	2.51	0.01	U	ND
Benzo(k)fluoranthene	ND	ND	1.99	0.01	U	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>	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> )
			199.1

<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
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-Dinitrobenzene	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 Detection 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

<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	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
Phenanthrene	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
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 Detection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

Sample I.D.	21061	21323 Field Blank	21324		
File I.D.	VOID	VOID	VOID		
Date Sampled	6/24/2001	6/30/2001	6/30/2001		
Date Analyzed					
	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 Conc (µg)	Final µg/m <sup>3</sup>
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-Dinitrobenzene					
2,6-Dinitrotoluene					
3-Nitroaniline					
Acenaphthylene					
2,4-Dinitrophenol					
4-Nitrophenol					
Acenaphthene					
2,4-Dinitrotoluene					

D - Dilution

ND - Not Detected

U - Under Detection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

Sample I.D.	21061	21323 Field Blank	21324		
File I.D.	VOID	VOID	VOID		
Date Sampled	6/24/2001	6/30/2001	6/30/2001		
Date Analyzed					
	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 Conc (µg)	Final µg/m <sup>3</sup>
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					



# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

Sample I.D.	21325	21515	21671
File I.D.	ENG2260.D/2261.D	ENG2263.D	ENG2291.D
Date Sampled	7/6/2001	7/12/2001	7/18/2001
Date Analyzed	8/9/2001	8/9/2001	8/17/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	206.7	159.2	218.9

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	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-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	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-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	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 Detection 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> )      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	16.66	0.08
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	17.17	0.08
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
Benidine	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	ND	ND	ND	ND
Chrysene	8.29	0.04	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	2.95	0.01	ND	ND	ND	ND
Benzo(k)fluoranthene	2.40	0.01	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

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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	210.9	210.9	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			
Pyridine	ND	ND	19.29	0.09	U	32.75	0.17	U	
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	113.91	0.54	250.44	1.29			
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	35.63	0.17	63.67	0.33		
Benzyl alcohol	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			
bis(2-Chloroisopropyl)ether	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			
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	3275.30	15.53	D	2410.42	11.43	D	6706.48	34.67	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	349.09	1.66	166.19	0.79	762.33	3.94			
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	2.38	0.01	U	1.85	0.01	U	7.84	0.04	U
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND			
4-Nitrophenol	ND	ND	ND	ND	ND	ND			
Acenaphthene	212.44	1.01	35.04	0.17	347.00	1.79			
2,4-Dinitrotoluene	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>	21757	21861	21988
<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

<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	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	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
Phenanthrene	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	66.01	0.34
Carbazole	16.07	0.08	1.68	0.01	19.81	0.10
Di-n-butyl phthalate	103.39	0.49	63.24	0.30	71.35	0.37
Benidine	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND
Fluoranthene	95.68	0.45	11.04	0.05	86.46	0.45
Pyrene	61.31	0.29	6.51	0.03	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	1.96	0.01
Benzo(a)anthracene	7.44	0.04	ND	ND	4.32	0.02
Chrysene	10.30	0.05	ND	ND	5.15	0.03
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
7,12-Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	6.06	0.03	ND	ND	ND	ND
Benzo(k)fluoranthene	3.15	0.01	ND	ND	ND	ND
Benzo(a)pyrene	4.48	0.02	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

Sample I.D.	22131		22219		22394
File I.D.	ENG2347.D		ENG2368.D		VOID
Date Sampled	8/11/2001		8/17/2001		8/23/2001
Date Analyzed	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> )

<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		
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	9.83	0.05	U	12.58	0.05		
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	487.63	2.62		269.10	1.17		
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	44.25	0.24		46.87	0.20		
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	10.44	0.06		15.32	0.07		
2,4-Dinitrotoluene	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>	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> )

<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	7.30	0.04	U	12.17	0.05			
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	7.91	0.04	U	12.34	0.05			
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	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	U		
Pyrene	2.07	0.01	U	4.16	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	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 Detection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

<b>Sample I.D.</b>	22618	22786	22873
<b>File I.D.</b>	ENG2395.D/2407.D	ENG2397.D	ENG2423.D
<b>Date Sampled</b>	8/29/2001	9/4/2001	9/10/2001
<b>Date Analyzed</b>	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

<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	185.45	0.80	ND	ND	17.07	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	25.25	0.11	ND	ND	11.24	0.05
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	27.23	0.12	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	72.86	0.32	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	5138.55	22.28	D	62.97	0.29	587.53
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	458.97	1.99	18.81	0.09	115.05	0.56
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	13.31	0.06	ND	ND	0.89	0.004
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	164.36	0.71	3.07	0.01	U	53.74
2,4-Dinitrotoluene	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

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	0.20
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	116.98	0.51	2.82	0.01 U	37.24	0.18
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	172.02	0.75	6.99	0.03 U	75.41	0.36
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	24.65	0.11	ND	ND	4.76	0.02 U
Carbazole	8.67	0.04 U	ND	ND	2.15	0.01 U
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	0.07
Pyrene	25.43	0.11	1.28	0.01 U	9.35	0.05 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	1.32	0.01 U	ND	ND	ND	ND
Benzo(a)anthracene	3.29	0.01 U	ND	ND	ND	ND
Chrysene	3.43	0.01 U	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 (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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	215.0	210.9	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>
N-Nitrosodimethylamine	ND	ND		ND	ND		ND	ND
Pyridine	6.01	0.03	U	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	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	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	81.79	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	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	ND	ND
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 Detection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

<b>Sample I.D.</b>	22874	23039	23158
<b>File I.D.</b>	ENG2430.D/2513.D	ENG2455.D/2468.D	ENG2460.D
<b>Date Sampled</b>	9/16/2001	9/22/2001	9/28/2001
<b>Date Analyzed</b>	10/2/2001	10/19/2001	10/19/2001
	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	215.0	210.9	237.3

<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	101.41	0.47	70.45	0.33	1.93	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	105.93	0.49	68.64	0.33	2.29	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	144.16	0.67	101.30	0.48	5.32	0.02	U
Dinoseb	ND	ND	ND	ND	ND	ND	
Anthracene	18.02	0.08	11.22	0.05	ND	ND	
Carbazole	5.87	0.03	4.09	0.02	ND	ND	
Di-n-butyl phthalate	20.72	0.10	18.04	0.09	9.82	0.04	U
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	U
Pyrene	18.48	0.09	10.67	0.05	1.10	0.005	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	2.19	0.01	1.14	0.01	ND	ND	
Chrysene	2.46	0.01	1.10	0.01	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 (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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	226.9	220.0	238.6

<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	7.92	0.04	U	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	753.47	3.42	D	34.34	0.14
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	15.20	0.07	5.49	0.02	U	11.94	0.05
Benzyl alcohol	ND	ND	ND	ND		ND	ND
2-Methylphenol	ND	ND	95.54	0.43		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	267.92	1.22		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	167.45	0.74	6450.73	29.32	D	423.17	1.77
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	46.41	0.20	762.32	3.46	D	52.93	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	13.90	0.06		1.01	0.004
2,4-Dinitrophenol	ND	ND	ND	ND		ND	ND
4-Nitrophenol	ND	ND	ND	ND		ND	ND
Acenaphthene	7.71	0.03	269.47	1.22		11.99	0.05
2,4-Dinitrotoluene	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>	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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	226.9	220.0	238.6

<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	6.86	0.03	U	191.37	0.87	7.61	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	6.75	0.03	U	176.35	0.80	7.55	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	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	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	U
Pyrene	3.03	0.01	U	33.17	0.15	2.17	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		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)anthracene	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 Detection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI)

## 2001 Final Data Report

<b>Sample I.D.</b>	23571 - Field Blank	23572	23668
<b>File I.D.</b>	ENG269.D	ENG2573.D/2597.D	ENG2576.D/2598.D
<b>Date Sampled</b>	10/22/2001	10/22/2001	10/28/2001
<b>Date Analyzed</b>	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>			
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	4716.17	20.02	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	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-Dinitrobenzene	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	0.03	U	
2,4-Dinitrophenol	ND	ND	ND	ND	ND			
4-Nitrophenol	ND	ND	ND	ND	ND			
Acenaphthene	ND	31.94	0.16	ND	48.42	0.21		
2,4-Dinitrotoluene	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>	23571 - Field Blank	23572	23668
<b>File I.D.</b>	ENG269.D	ENG2573.D/2597.D	ENG2576.D/2598.D
<b>Date Sampled</b>	10/22/2001	10/22/2001	10/28/2001
<b>Date Analyzed</b>	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
Phenanthrene	ND	35.42	0.18	44.29	0.19
Dinoseb	ND	ND	ND	ND	ND
Anthracene	ND	3.20	0.02	5.30	0.02
Carbazole	ND	ND	ND	ND	ND
Di-n-butyl phthalate	ND	13.94	0.07	ND	ND
Benzydine	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND
Fluoranthene	ND	7.07	0.04	15.53	0.07
Pyrene	ND	4.39	0.02	12.50	0.05
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 Detection 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

<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	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-Dinitrobenzene	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 Detection 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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	225.9		197.3

<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	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 Detection 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>	
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	203.75	0.89	ND	ND	101.16	0.47	
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	14.95	0.06	7.88	0.04	U 11.43	0.05	
Benzyl alcohol	ND	ND	ND	ND	ND	ND	
2-Methylphenol	19.16	0.08	1.75	0.01	U 12.73	0.06	
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	
3&4-Methylphenol	64.76	0.28	4.39	0.02	U 46.21	0.22	
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	2650.51	11.52	D 464.26	2.42	4526.55	21.18	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	253.45	1.10	58.04	0.30	586.44	2.74	
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	10.23	0.04	1.77	0.01	U 4.76	0.02	U
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	
4-Nitrophenol	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	

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>	24038	24167	24236
<b>File I.D.</b>	ENG2661.D/28343.D	ENG2682.D	ENG2710.D/2835.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> )	230.1	Actual Vol (m <sup>3</sup> ) 191.8
			Actual Vol (m <sup>3</sup> ) 213.7

<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	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	73.25	0.34	
Carbazole	3.57	0.02	U	ND	ND		28.62	0.13	
Di-n-butyl phthalate	15.49	0.07		ND	ND		12.80	0.06	U
Benzidine	ND	ND		ND	ND		ND	ND	
Isodrin	ND	ND		ND	ND		ND	ND	
Fluoranthene	33.12	0.14		13.77	0.07	U	90.56	0.42	
Pyrene	31.39	0.14		13.74	0.07		48.61	0.23	
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		0.68	0.003	U
Benzo(a)anthracene	2.84	0.01	U	4.84	0.03	U	4.69	0.02	U
Chrysene	3.12	0.01	U	5.30	0.03	U	4.70	0.02	U
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		2.99	0.02	U	ND	ND	
Benzo(k)fluoranthene	ND	ND		2.28	0.01	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 Detection Limit

# SemiVolatile Samples - Detroit, MI (Yellow Freight - YFMI) 2001 Final Data Report

<b>Sample I.D.</b>	24376		24543		24629	
<b>File I.D.</b>	ENG2727.D/2836.D		ENG2753.D/2837.D		ENG2765.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> )	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>
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	4.22	0.02	U	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	178.13	0.91	197.51	0.80	41.84	0.23
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	24.50	0.12	18.00	0.07	20.26	0.11
Benzyl alcohol	ND	ND	ND	ND	ND	ND
2-Methylphenol	14.78	0.08	22.98	0.09	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	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
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	1186.28	6.03	D	1828.28	7.44	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	153.95	0.78	138.72	0.56	46.10	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	5.99	0.03	U	4.23	0.02	U
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Acenaphthene	44.55	0.23	26.17	0.11	4.24	0.02
2,4-Dinitrotoluene	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

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> )	Actual Vol (m <sup>3</sup> )	Actual Vol (m <sup>3</sup> )
	196.6	245.8	184.3

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	30.81	0.16	20.16	0.08	4.44	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	25.67	0.13	15.83	0.06	3.63	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	44.12	0.22	17.38	0.07	5.74	0.03 U
Dinoseb	ND	ND	ND	ND	ND	ND
Anthracene	6.42	0.03 U	2.18	0.01 U	0.55	0.003 U
Carbazole	2.46	0.01 U	ND	ND	ND	ND
Di-n-butyl phthalate	11.96	0.06 U	7.96	0.03 U	ND	ND
Benzydine	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	0.01 U
Pyrene	14.66	0.07	3.05	0.01 U	1.10	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	4.50	0.02 U	ND	ND	ND	ND
Chrysene	4.30	0.02 U	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 (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

<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>	
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	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	6.78	0.03	ND	ND	U
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	ND	ND	U
2,4-Dinitrophenol	ND	ND	ND	ND	
4-Nitrophenol	ND	ND	ND	ND	
Acenaphthene	2.44	0.01	4.55	0.02	U
2,4-Dinitrotoluene	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>	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

<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	
Phenanthrene	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 Detection Limit

**Appendix M**

**2001 Metals Raw Monitoring Data**

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

Site ID ERG ID Sample Date	Limit of Detection	GJCO 23497 5/7/01	GJCO 23498 5/13/01	GJCO 23499 5/19/01	GJCO 23500 5/25/01	GJCO 23501 5/31/01	GJCO 23502 6/6/01	GJCO 23503 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	GJCO	GJCO	GJCO	GJCO	GJCO	GJCO	GJCO
ERG ID	23504	23505	23506	23802	23803	23804	23805	23806
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
Unit	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(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	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	GJCO	GJCO	Field Blank	GJCO	GJCO	GJCO	GJCO
ERG ID	23807	23808	23809	23522	23810	23811	23812	23813
Sample Date	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)
<b>Antimony</b>	428	1488	2720	174	1392	1191	1014	1890
<b>Arsenic</b>	785	1259	1412	132	969	987	1113	1721
<b>Beryllium</b>	43.1	41.2	50.3	42.4	43.7	42.0	48.8	39.7
<b>Cadmium</b>	102	177	257	ND	228	310	178	230
<b>Chromium (total)</b>	3195	3427	4057	1888	3423	4371	3898	4287
<b>Cobalt</b>	73.0	202	380	78.2	146	382	376	501
<b>Lead</b>	3630	5300	6684	59.6	4117	4662	5249	6846
<b>Manganese</b>	11912	17306	27768	231	16178	26894	25822	32475
<b>Nickel</b>	1967	2064	2810	1045	2764	2976	2507	3012
<b>Selenium</b>	1574	2156	2931	ND	2026	1049	510	677
<b>Mercury</b>	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	GJCO	GJCO	GJCO	GJCO	GJCO	GJCO	GJCO
ERG ID	23814	VOID	23816	25919	25920	25921	25922	25923
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
Unit	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
<b>Antimony</b>	850		2549	2490	1550	1740	1310	2330
<b>Arsenic</b>	926		1802	2206	2608	2057	2545	4263
<b>Beryllium</b>	80.9		70.2	66.4	33.9	39.5	41.9	51.7
<b>Cadmium</b>	258		222	865	865	530	471	942
<b>Chromium (total)</b>	2973		3594	4000	3940	4030	3450	4120
<b>Cobalt</b>	156		366	776	549	634	647	796
<b>Lead</b>	3539		7967	7160	6970	6570	4870	14500
<b>Manganese</b>	17763		31773	42700	23000	31500	30600	38100
<b>Nickel</b>	2063		2850	4290	3450	4450	3580	4360
<b>Selenium</b>	1241		411	ND	1710	712	977	1537
<b>Mercury</b>	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	GJCO	GJCO	GJCO	GJCO	GJCO	Field Blank	GJCO
ERG ID	25924	25925	25926	25927	25928	25929	25957	25930
Sample Date	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)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
<b>Antimony</b>	1570	2040	2390	2540	1330	1960	ND	1260
<b>Arsenic</b>	2049	1387	1852	4247	1994	2608	1174	2009
<b>Beryllium</b>	26.7	38.2	36.8	58.5	24.0	40.5	ND	24.1
<b>Cadmium</b>	608	322	608	1110	128	511	ND	340
<b>Chromium (total)</b>	3900	3780	3880	4590	3430	4000	2050	3460
<b>Cobalt</b>	542	448	553	906	443	582	91.0	455
<b>Lead</b>	1000	8180	6540	12300	4450	6190	405	7010
<b>Manganese</b>	27200	28700	25200	45700	16300	27600	275	18100
<b>Nickel</b>	3930	3400	3980	4790	3060	3660	1920	3190
<b>Selenium</b>	827	2025	410	ND	293	2151	ND	ND
<b>Mercury</b>	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	GJCO	GJCO
ERG ID	25931	25932	25933
Sample Date	12/15/01	12/21/01	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	GJCO	GJCO	GJCO	GJCO	GJCO	GJCO	GJCO	GJCO	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)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
<b>Antimony</b>	1545	700	989	1220	1421	1629	814	1613	590	1333
<b>Arsenic</b>	1354	1450	1050	1015	1631	3561	1989	1668	1321	1046
<b>Beryllium</b>	23.2	61.6	64.8	67.7	49.9	50.6	58.2	50.7	18.8 U	59.2
<b>Cadmium</b>	216	167	175	150	245	167	273	150	126	125
<b>Chromium (total)</b>	4027	3157	3526	3181	4472	3920	4208	3653	3160	3141
<b>Cobalt</b>	401	255	115	246	358	480	605	355	490	167
<b>Lead</b>	7194	6619	6769	6469	6777	12668	12774	7801	4460	8321
<b>Manganese</b>	25687	22739	14887	24429	29253	26814	41990	30122	20542	18008
<b>Nickel</b>	2738	2351	2340	2418	3306	2885	3302	2945	2261	2303
<b>Selenium</b>	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	GJCO	GJCO	GJCO	GJCO	GJCO	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)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(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 Junction, Colorado (G2CO) 2001 UATMP Metals Final Data Report

Site ID		G2CO	G2CO D1	G2CO D2	G2CO	G2CO D1	G2CO D2	G2CO
ERG ID	Limit of	23507	23508	23517	23509	23510	23518	23511
Sample Date	Detection	5/7/01	5/13/01	5/13/01	5/19/01	5/25/01	5/25/01	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 Junction, 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)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
<b>Antimony</b>	848	930	1510	1222	415	1473	1420	1689
<b>Arsenic</b>	2971	2886	3561	4263	1676	1381	4202	1542
<b>Beryllium</b>	ND	ND	53.3	ND	45.5	57.1	24.2	33.2
<b>Cadmium</b>	509	571	396	802	185	139	910	144
<b>Chromium (total)</b>	10323	10717	7452	10165	4103	3832	9692	4292
<b>Cobalt</b>	1137	1291.0	1342	1545	437	342.0	1474	457.0
<b>Lead</b>	8802	9259	19448	18731	6312	9180	18408	9716
<b>Manganese</b>	113456	123936	103392	135406	42053	38693	135598	42629
<b>Nickel</b>	8904	9695	6531	11268	3132	4432	10480	5196
<b>Selenium</b>	780	1094	ND	1517	1644	1052	1365	1333
<b>Mercury</b>	ND	ND	ND	ND	ND	ND	ND	ND

U = Under Detection Limit  
 ND = Not Detected

# Grand Junction, 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)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
<b>Antimony</b>	857	645	715	1196	837	1006	1093	249
<b>Arsenic</b>	2904	2626	2563	3141	3603	3912	3383	913
<b>Beryllium</b>	24.2	51.2	33.4	48.7	32.6	21.9	45.5	83.4
<b>Cadmium</b>	299	278	377	614	380	491	667	120
<b>Chromium (total)</b>	10480	10480	11032	9220	13084	14342	8432	3880
<b>Cobalt</b>	1110	687	768	1108.0	1520	1733	1256	50.8
<b>Lead</b>	9198	6265	7357	8395	9299	9809	15273	3174
<b>Manganese</b>	121414	77529	84685	114858	160470	184041	128505	16330
<b>Nickel</b>	6389	7203	7267	7867	7860	8826	8038	3001
<b>Selenium</b>	1251	2868	3483	1620	1424	1367	1095	2279
<b>Mercury</b>	ND	ND	ND	ND	ND	ND	ND	ND

U = Under Detection Limit  
 ND = Not Detected

# Grand Junction, 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)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
<b>Antimony</b>	280	515	174	1919	2193	921	21.6	1355
<b>Arsenic</b>	1460	1361	132	3546	3915	2318	ND	3620
<b>Beryllium</b>	31.1	62.3	42.4	31.6	26.5	27.1	22.2	ND
<b>Cadmium</b>	169	175	ND	993	1255	293	26.0	636
<b>Chromium (total)</b>	3337	3067	1888	17021	18597	10559	2357	16548
<b>Cobalt</b>	247	237	78.2	1249	1572	898	ND	2505
<b>Lead</b>	3886	4348	59.6	10803	9355	9251	122	8813
<b>Manganese</b>	22368	26473	231	104249	127559	83864	395	130790
<b>Nickel</b>	6693	3097	1045	7473	8983	9456	957	10559
<b>Selenium</b>	2411	2647	ND	3043	3574	2557	ND	849
<b>Mercury</b>	ND	ND	ND	ND	ND	ND	ND	ND

U = Under Detection Limit  
 ND = Not Detected

# Grand Junction, 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)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
<b>Antimony</b>	1688	2405	1307	542	729	695	1780	1020
<b>Arsenic</b>	4958	2883	3301	927	2869	2739	3137	4318
<b>Beryllium</b>	ND	ND	23.2	55.1	55.7	79.6	18.8	115
<b>Cadmium</b>	950	1995	867	160	171	159	517	2800
<b>Chromium (total)</b>	20173	128444	11662	3608	3644	3560	8589	10600
<b>Cobalt</b>	3453	1147	1804	51.3	340	566	921	2060
<b>Lead</b>	12072	756353	14814	5409	7715	5472	8393	13900
<b>Manganese</b>	189089	115703	106193	26741	32373	32636	98438	130000
<b>Nickel</b>	13238	8668	9850	2460	2911	3093	6480	14600
<b>Selenium</b>	1049	954	1054	1116	1316	1631	1255	ND
<b>Mercury</b>	ND	ND	ND	ND	1.81	ND	ND	ND

U = Under Detection Limit  
 ND = Not Detected

# Grand Junction, 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)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
<b>Antimony</b>	990	550	857	1050	695	1260	1490	942
<b>Arsenic</b>	5027	2994	3648	2703	3664	4121	5681	3136
<b>Beryllium</b>	106	70.2	99.0	83.1	76.8	54.4	66.8	43.8
<b>Cadmium</b>	2610	1290	1770	1810	1160	1180	1240	819
<b>Chromium (total)</b>	9820	6910	8920	7780	4280	4820	5620	3740
<b>Cobalt</b>	1800	969	1430	1270	1090	851	1080	665
<b>Lead</b>	13300	10900	11000	11400	7970	15000	18500	13100
<b>Manganese</b>	122000	63200	96100	77500	59700	44900	55500	36700
<b>Nickel</b>	14100	9500	14000	17500	4510	4740	5330	4110
<b>Selenium</b>	474	1411	178	738	542	1237	1655	526
<b>Mercury</b>	ND	ND	ND	ND	ND	ND	ND	ND

U = Under Detection Limit  
 ND = Not Detected

# Grand Junction, 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)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)	(ng/filter)
<b>Antimony</b>	536	578	1140	ND	1350	622	1280	1390
<b>Arsenic</b>	2466	3310	4752	412	3404	3396	4295	4838
<b>Beryllium</b>	40.7	44.8	79.6	ND	86	102	111	119
<b>Cadmium</b>	970	1310	1860	978	2070	1530	2750	3130
<b>Chromium (total)</b>	8460	10000	7280	2880	6390	4790	7210	7970
<b>Cobalt</b>	687	843	1300	97.0	1550	1540	1610	1740
<b>Lead</b>	4330	5950	12500	20800	18300	9150	20900	22900
<b>Manganese</b>	41300	54200	79400	388	87200	91900	96500	104000
<b>Nickel</b>	6090	6880	13200	2450	8480	5270	6870	7600
<b>Selenium</b>	1568	2135	1568	ND	1395	890	2246	2774
<b>Mercury</b>	ND	ND	ND	ND	ND	ND	ND	ND

U = Under Detection Limit  
 ND = Not Detected

# Grand Junction, 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)
<b>Antimony</b>	483	459	546	1350	1200	1240
<b>Arsenic</b>	2656	2301	2206	4255	4232	4531
<b>Beryllium</b>	27.6	14.5	16.4	54.4	84.6	96.9
<b>Cadmium</b>	548	392	1620	1520	1960	2370
<b>Chromium (total)</b>	4550	3300	4050	5140	8720	10100
<b>Cobalt</b>	504	342	479	1060	1500	1650
<b>Lead</b>	8550	5330	7120	16300	15000	17100
<b>Manganese</b>	26600	16200	19900	61200	94800	105000
<b>Nickel</b>	4040	3500	3880	9840	12400	13400
<b>Selenium</b>	237	883	1119	ND	930	556
<b>Mercury</b>	ND	ND	ND	ND	ND	ND

U = Under Detection Limit  
 ND = Not Detected



## **Appendix N**

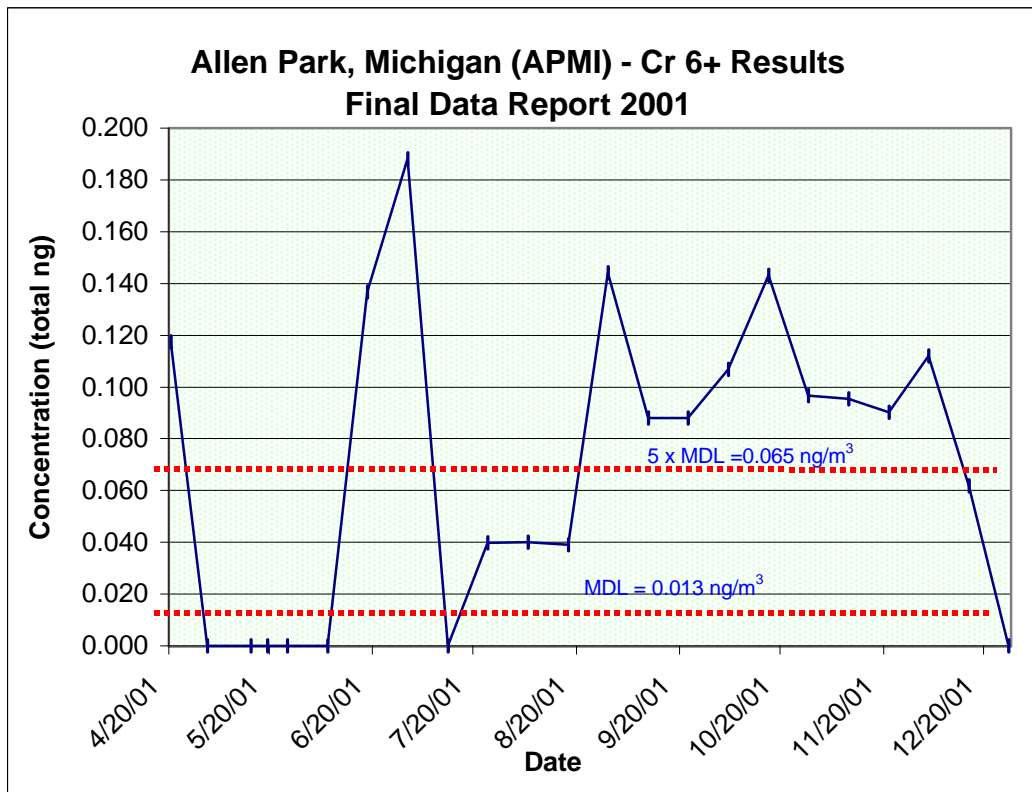
### **2001 Hexavalent Chromium Raw Monitoring Data**

# Allen Park, Michigan (APMI)

## Hexavalent Chromium Results

(Final Data Report - 2001)

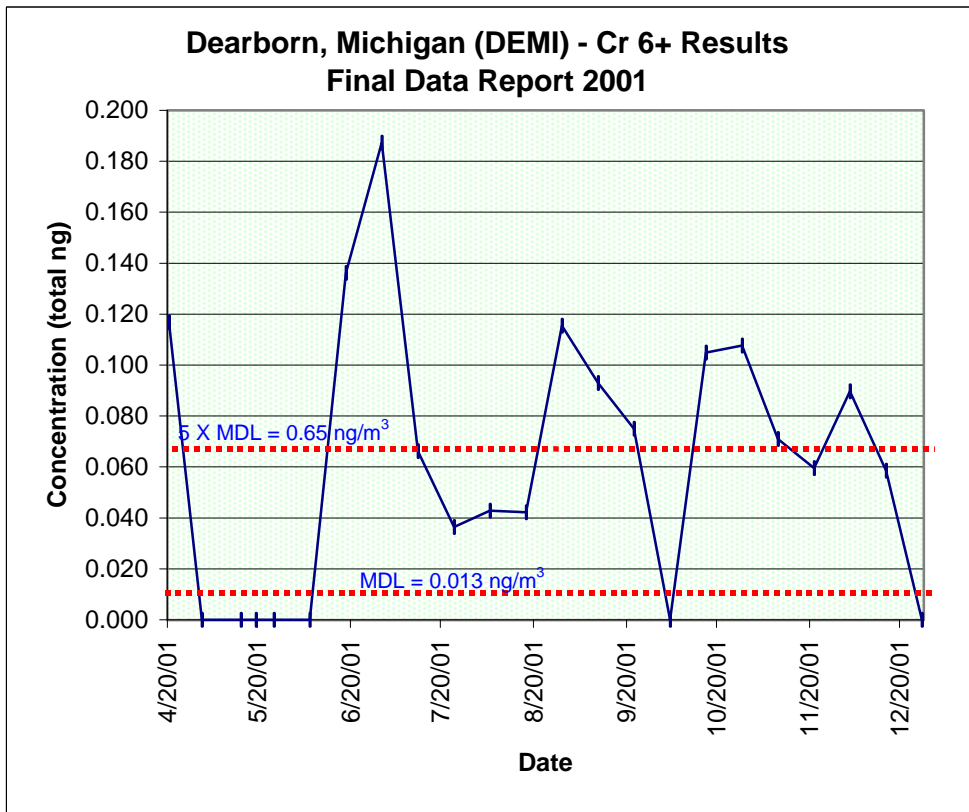
ERG ID	Date	Concentration (total ng)	Concentration (ng/m <sup>3</sup> )
19913	4/20/01	1.53	0.117
20009	5/1/01	ND	ND
20176	5/14/01	ND	ND
21331	5/19/01	ND	ND
20311	5/25/01	ND	ND
20554	6/6/01	ND	ND
20927	6/18/01	1.78	0.137
21331	6/30/01	2.45	0.188
21513	7/12/01	ND	ND
21758	7/24/01	0.518	0.040
21967	8/5/01	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 (total ng)	Concentration (ng/m3)
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

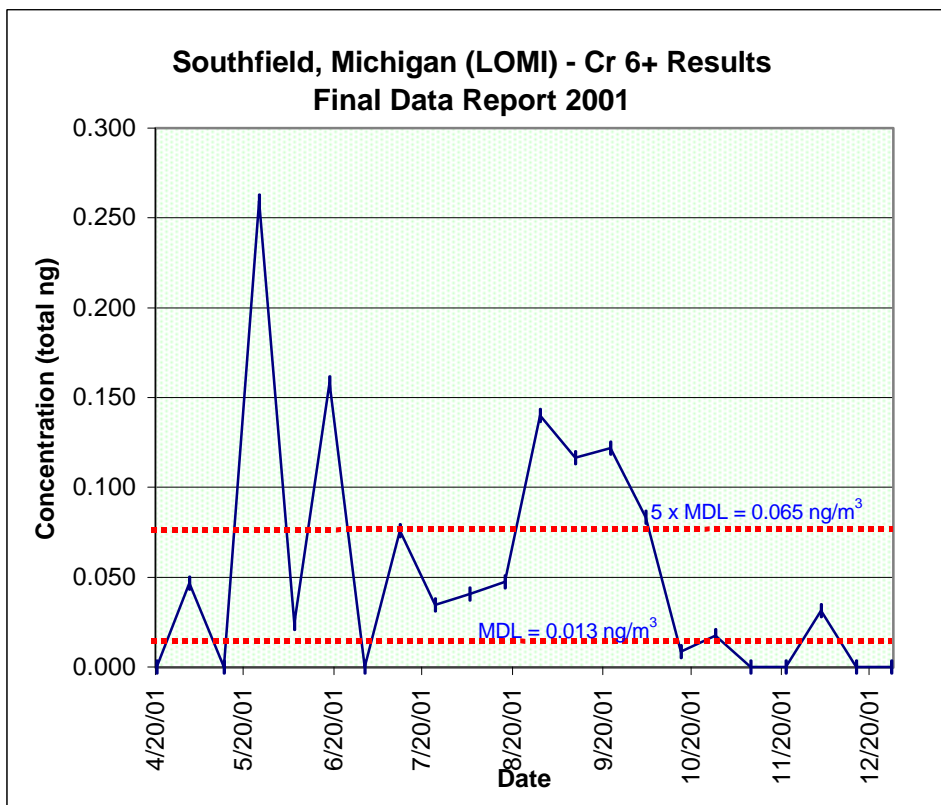


# Southfield, Michigan (LOMI)

## Hexavalent Chromium Results

(Final Data Report - 2001)

ERG ID	Date	Concentration (total ng)	Concentration (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	12/15/01	ND	ND
24934	12/27/01	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



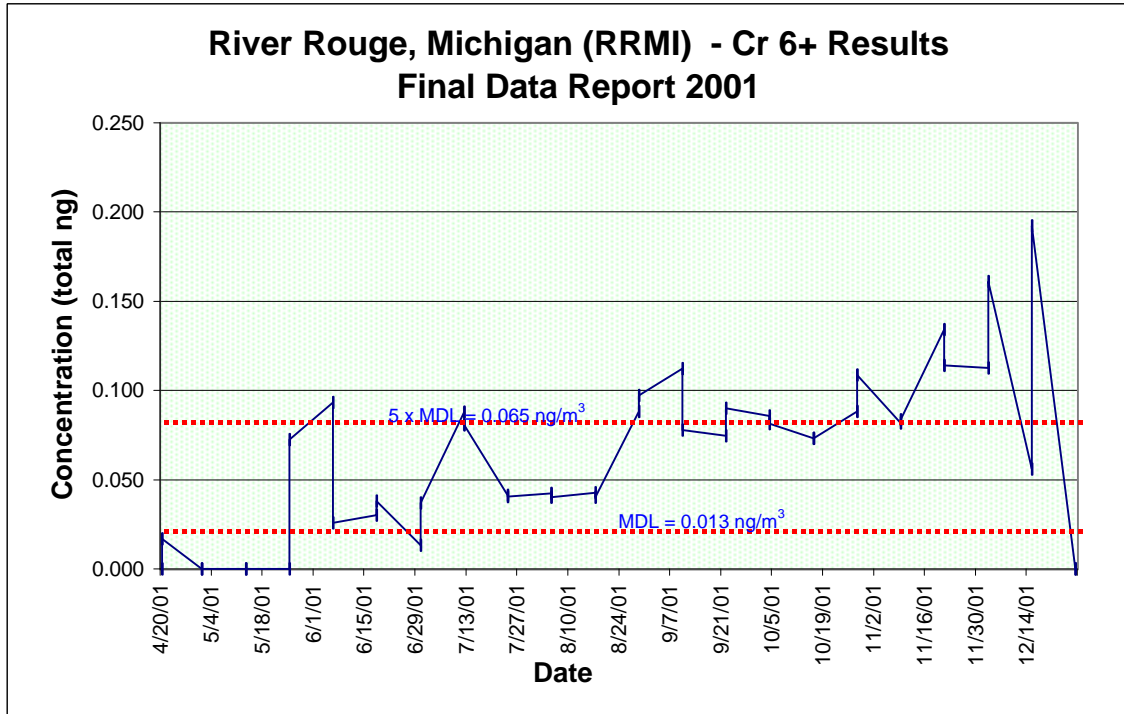
# River Rouge, Michigan (RRMI)

## Hexavalent Chromium Results

### (Final Data Report - 2001)

Duplicate Results	ERG ID	Date	Concentration (total ng)	Concentration (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)**

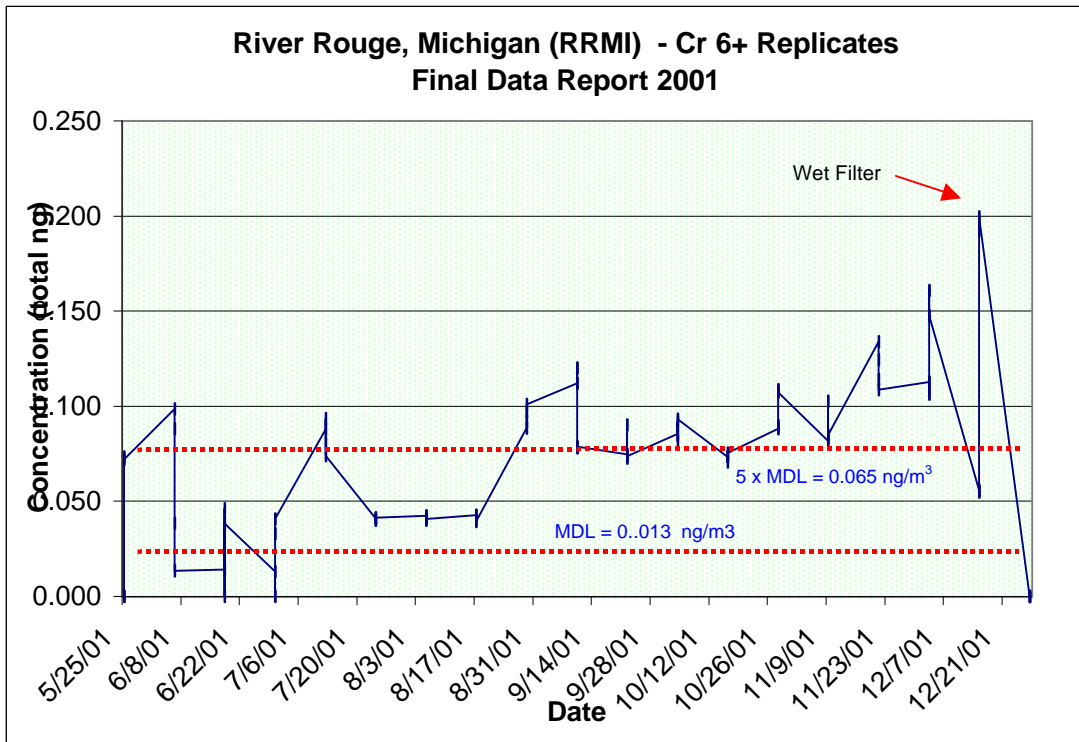
Replicate Results	ERG ID	Date	Concentration (total ng)	Concentration (ng/m3)	% RPD
	20312 D1	5/25/01	ND	ND	
	20312 R1	5/25/01	ND	ND	NA
	20313 D2	5/25/01	0.951	0.073	
	20313 R2	5/25/01	0.934	0.072	1.81
	20558 D1	6/6/01	1.28	0.098	
	20558 R1	6/6/01	1.14	0.088	10.45
	20559 D2	6/6/01	0.496	0.038	
	20559 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

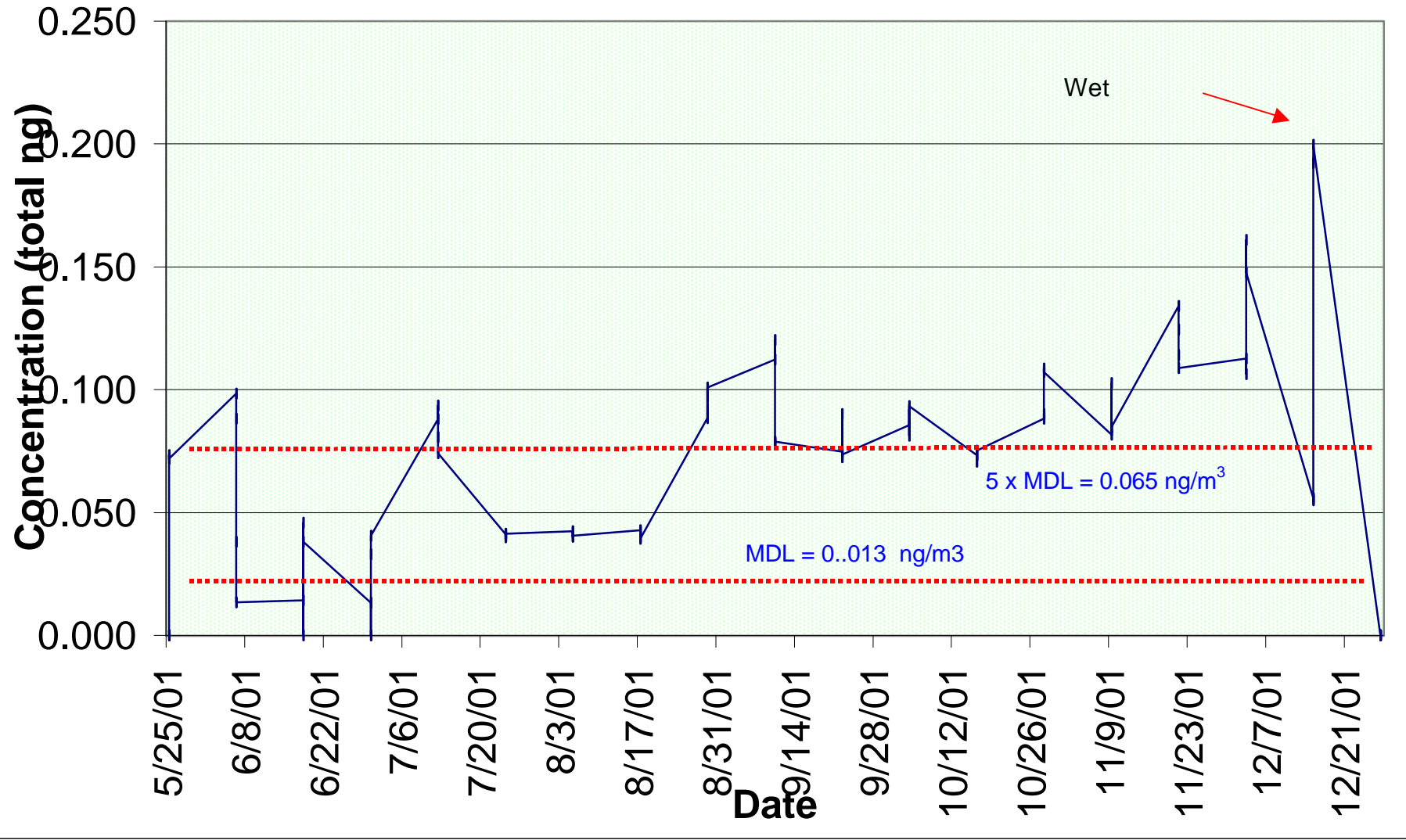
### (Final Data Report - 2001)

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	NA
24933 D2	12/27/01	ND	ND	
24933 R2	12/27/01	ND	ND	NA





# River Rouge, Michigan (RRMI) - Cr 6+ Replicates Final Data Report 2001



**TECHNICAL REPORT DATA***(Please read Instructions on reverse before completing)*

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