

Appendix: Analytical Results

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ANALYTICAL REPORT

Form ARF-AL
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 Part 1 of 5
 11100310423702RX

Date NOV 10 2003
 Laboratory Group Name 03I-2842-01
 Account No. 07051

USPHS/FOH
 Attention: Clifford Moseley
 2165 West Park Court
 Suite C
 Stone Mountain, GA 30087

FAX (770) 469-8623
 Telephone (770) 498-3449
 E-mail cmoseley@psc.gov

Sampling Collection and Shipment

Sampling Site GA751: Meredith EI Date of Collection _____
 Date Samples Received at Laboratory November 04, 2003

Analysis

Method of Analysis NMAM 5506
 Date(s) of Analysis November 05, 2003 - November 06, 2003

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Naphthalene ug/sample	Acenaphthylene ug/sample	Acenaphthene ug/sample	Fluorene ug/sample	Phenanthrene ug/sample	Anthracene ug/sample	Fluoranthene ug/sample	Pyrene ug/sample
PAH13-10-28	03I33879	F/T	3.8	ND	ND	ND	0.046	ND	ND	ND
PAH14-10-28	03I33880	F/T	12.	ND	ND	0.25	0.12	ND	ND	ND
PAH15-10-28	03I33881	F/T	ND	ND	ND	ND	ND	ND	ND	ND
PAH16-10-28	03I33882	F/T	ND	ND	ND	ND	ND	ND	ND	ND
PAH10-10-29	03I33883	F/T	41.	ND	0.90	1.7	0.88	0.040	ND	ND
PAH00-10-30	03I33884	F/T	ND	ND	ND	ND	ND	ND	ND	ND
Reporting Limit			0.8	0.6	0.8	0.2	0.03	0.03	0.06	0.03

† See comment on last page.
 ND Parameter not detected above LOD.
 NR Parameter not requested.
 NA Parameter not applicable.

** See comment on last page.
 () Parameter between LOD and LOQ.

Rodney Lemon
 Analyst: Rodney Lemon
Don Wickman
 Reviewer: Don Wickman



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Analysis

Method of Analysis NMAM 5506
 Date(s) of Analysis November 05, 2003 - November 06, 2003

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Benzo(a)anthracene ug/sample	Chrysene ug/sample	Benzo(b)fluoranthene ug/sample	Benzo(k)fluoranthene ug/sample	Benzo(a)pyrene ug/sample	Dibenz(a,b)Anthracene ug/sample	Benzo(ghi)perylene ug/sample	Indeno(1,2,3-cd)pyrene ug/sample
PAH13-10-28	03I33879	F/T	ND	ND	ND	ND	ND	ND	ND	ND
PAH14-10-28	03I33880	F/T	ND	ND	ND	ND	ND	ND	ND	ND
PAH15-10-28	03I33881	F/T	ND	ND	ND	ND	ND	ND	ND	ND
PAH16-10-28	03I33882	F/T	ND	ND	ND	ND	ND	ND	ND	ND
PAH10-10-29	03I33883	F/T	ND	ND	ND	ND	ND	ND	ND	ND †
PAH00-10-30	03I33884	F/T	ND	ND	ND	ND	ND	ND	ND	ND †
Reporting Limit			0.03	0.08	0.06	0.03	0.03	0.06	0.06	0.2

† See comment on last page.
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Method of Analysis NMAM 5506
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Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Naphthalene ppm	Acenaphthylene ppm	Acenaphthene ppm	Fluorene ppm	Phenanthrene ppm	Anthracene ppm	Fluoranthene ppm	Pyrene ppm
PAH13-10-28	03I33879	F/T	0.0011	<0.00014	<0.00018	4.3E-5	9.1E-6	6.0E-6	1.0E-5	5.2E-6
PAH14-10-28	03I33880	F/T	0.010	<0.00044	<0.00058	0.00017	0.000076	1.9E-5	3.3E-5	1.7E-5
PAH15-10-28	03I33881	F/T	<0.00077	<0.00049	<0.00064	<0.00015	2.1E-5	2.1E-5	3.7E-5	1.8E-5
PAH16-10-28	03I33882	F/T	<0.00081	<0.00051	<0.00067	<0.00016	2.2E-5	2.2E-5	3.8E-5	1.9E-5
PAH10-10-29	03I33883	F/T	0.011	<0.00013	0.00019	0.00034	0.00017	7.5E-6	9.9E-6	4.9E-6
PAH00-10-30	03I33884	F/T	**	**	**	**	**	**	**	**
Reporting Limit										

† See comment on last page. ** See comment on last page.
 ND Parameter not detected above LOD. () Parameter between LOD and LOQ.
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Method of Analysis NMAM 5506
 Date(s) of Analysis November 05, 2003 - November 06, 2003

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Benzo(a)anthracene ppm	Chrysene ppm	Benzo(b)fluoranthene ppm	Benzo(k)fluoranthene ppm	Benzo(a)pyrene ppm	Dibenz(a,h)Anthracene ppm	Benzo(ghi)perylene ppm	Indeno(1,2,3-cd)pyrene ppm
PAH13-10-28	03I33879	F/T	<4.6E-6	<1.2E-5	<8.4E-6	<4.2E-6	<4.2E-6	<7.6E-6	<7.7E-6	<2.6E-5
PAH14-10-28	03I33880	F/T	<1.5E-5	<3.9E-5	<2.7E-5	<1.3E-5	<1.3E-5	<2.4E-5	<2.4E-5	<8.1E-5
PAH15-10-28	03I33881	F/T	<1.6E-5	<4.3E-5	<2.9E-5	<1.5E-5	<1.5E-5	<2.7E-5	<2.7E-5	<8.9E-5
PAH16-10-28	03I33882	F/T	<1.7E-5	<4.5E-5	<3.1E-5	<1.5E-5	<1.5E-5	<2.8E-5	<2.8E-5	<9.4E-5
PAH10-10-29	03I33883	F/T	<4.4E-6	<1.2E-5	<7.9E-6	<4.0E-6	<4.0E-6	<7.2E-6	<7.2E-6	<2.4E-5 †
PAH00-10-30	03I33884	F/T	**	**	**	**	**	**	**	** †
Reporting Limit										

† See comment on last page. ** See comment on last page.
 ND Parameter not detected above LOD. () Parameter between LOD and LOQ.
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 NA Parameter not applicable.



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Sampling Site GA751: Meredith EI Date of Collection _____
Date Samples Received at Laboratory November 04, 2003

Analysis

Method of Analysis NMAM 5506
Date(s) of Analysis November 05, 2003 - November 06, 2003

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Air Volume Liters							
PAH13-10-28	03I33879	F/T	691.6							
PAH14-10-28	03I33880	F/T	218.8							
PAH15-10-28	03I33881	F/T	198.0							
PAH16-10-28	03I33882	F/T	188.5							
PAH10-10-29	03I33883	F/T	734.4							†
PAH00-10-30	03I33884	F/T	0.000							†
Reporting Limit										

† See comment on last page. ** See comment on last page.
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ANALYTICAL REPORT

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NOV 10 2003

Date _____
Laboratory Group Name 03I-2842-01

General Set Comments

Method Reference: NIOSH Manual of Analytical Methods (NMAM), 4th ed., 8/15/94.
The reported results have not been blank corrected.
Results cannot be reported in mg/m³ or ppm for samples with no air volume.
Sample 03I33883-A diluted by 5X for Naphthalene.

Sample Comments

Laboratory Number	Comment
03I33883	Diluted by 5X
03I33884	Field blank

General Lab Comments

The results provided in this report relate only to the items tested.
This page is the concluding page of the report.

03T-2842-01

FIELD DATA COLLECTION/CHAIN-OF-CUSTODY RECORD

FEDERAL OCCUPATIONAL HEALTH SERVICE 2165 WEST PARK COURT, SUITE C STONE MOUNTAIN, GEORGIA 30087 PH (770) 498-3449 FAX (770) 469-8623		PROJECT REFERENCE NUMBER: Ga751/98FED16234-11: Meredith El: East Point, GA		ANALYSIS REQUESTED <small>(INVESTIGATOR: YOU MUST SPECIFY EITHER METHOD OR ANALYTES FOR EACH SAMPLE)</small>		MATRIX CODES A = air B = bulk S = soil T = type DW = drinking water WW = wastewater SD = sediment V = vacuum L = liquid							
SAMPLING SITE/DESCRIPTION: GA751: Meredith El: East Point, GA PHONE: (404) 498-0507		PRESERVATION CODE		PRESERVATION CODES (1) COOL TO 4°C (4) HNO ₃ TO pH < 2, 4°C (2) HCL TO pH < 2, 40C (5) NaOH TO pH > 12, 4°C (3) H ₂ SO ₄ TO pH < 2, 4°C (6) ZnOAc TO pH > 9, 4°C		ADDITIONAL INFORMATION							
ATTENTION LABORATORY: SEND RESULTS TO: NAME: Greg Zarus ADDRESS: 1600 Clifton Road, NE, Mail Stop E-29, Atlanta, GA 30303 same as above at: gaz5@cdc.gov Clifford L. Moseley at (770) 469-8623		TYPE OF SAMPLE (MATRIX CODE)		OSHA-39 (Pentachloro phenol)		NIOSH 5506 (PAHs)		EPA TO-17 (VOCs)					
SAMPLE ID NUMBER		SAMPLING LOCATION		FLOW RATE		TIME min		VOLUME					
VOC 01-10-28 ✓ VOC 02-10-28 ✓ VOC 03-10-28 ✓ PAH 13-10-28 P/X ✓ PAH 14-10-28 P/X ✓ PAH 15-10-28 P/X ✓ PAH 16-10-28 P/X ✓ VOC 03-10-29 ✓ VOC 04-10-29 ✓ PAH 10-10-29 P/X ✓ VOC 00-10-30 ✓ PAH 00-10-30 P/X ✓		x-HS -Willbourne & Harris x-1678 Connelly Lawrence & Davis Fenceline x-1678 Connelly Lawrence & Davis Fenceline x-1678 Connelly x-HS -Willbourne & Harris Lawrence & Davis Fenceline x-1678 Connelly Lawrence & Davis Fenceline Blank Blank		0.17 0.15 0.14 1.9 1.87 1.8 1.3 0.13 0.12 1.8 0 0		66 185 445 364 117 110 145 79 408 0 0		11.22 27.75 62.3 691.6 218.79 198 188.5 #VALUE! 9.48 734.4 0 0		a a a a a a a a a a		x= access from x= access from x= access from x= access from x= access from x= access from Opened near site Opened near site	
RELINQUISHED BY: Greg Zarus <small>(PRINCIPAL INVESTIGATOR)</small>		RELINQUISHED BY: [Signature] <small>(LABORATORY REVIEWER)</small>		RELINQUISHED BY: [Signature] <small>(LABORATORY SUPERVISOR)</small>		TIME/DATE: 10/31/2003		TIME/DATE: 11/4/05 11:58		COMPANY: DataChem Laboratories, Inc. ADDRESS: 960 West LeVoy Drive Salt Lake City, UT 84123		ATTN: SAMPLE RECEIVING (Paul Pope) PHONE: 800-356-9135 FAX: 801-268-9992	
RELINQUISHED BY: <small>(LABORATORY SAMPLE RECEIVING)</small>		RELINQUISHED BY: <small>(LABORATORY SUPERVISOR)</small>		RELINQUISHED BY: <small>(LABORATORY SUPERVISOR)</small>		TIME/DATE:		TIME/DATE:		CARRIER: Federal Express		DATE: TIME: AIRBILL #:	
RELINQUISHED BY: <small>(ANALYST)</small>		RELINQUISHED BY: <small>(ANALYST)</small>		RELINQUISHED BY: <small>(ANALYST)</small>		TIME/DATE:		TIME/DATE:		DATE: TIME: AIRBILL #:		DATE: TIME: AIRBILL #:	