ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

CERTIFICATE OF ANALYSIS

Client: ERM-New England

Address: 399 Boylston Street
6th Floor
Boston, MA 02116

Attn: John McTigue

Project Number: 143.48

Site: RAYTHEON

Laboratory Job Number: L9908056

Invoice Number: 30562

Date Received: 06-OCT-99

Date Reported: 14-OCT-99

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L9908056-01	T-7-A (0-6")	WAYLAND
L9908056-02	T-7-A (12-18")	WAYLAND
L9908056-03	T-7-7 (0-6")	WAYLAND
L9908056-04	T-7-11 (0-6")	WAYLAND
L9908056-05	T-7-6	WAYLAND
L9908056-06	T-7-6 (12-18")	WAYLAND
L9908056-07	T-3-6 (0-6")	WAYLAND
L9908056-08	T-3-6 (12-18")	WAYLAND
L9908056-09	T-3-6 (18+")	WAYLAND
L9908056-10	T-3-11 (0-6")	WAYLAND
L9908056-11	T-3-11 (12-18")	WAYLAND
L9908056-12	T-3-7 (0-6")	WAYLAND
L9908056-13	T-3-1 (0-6")	WAYLAND
L9908056-14	T-3-1 (12-18")	WAYLAND
L9908056-15	T-3-8 (0-6")	WAYLAND
L9908056-16	T-3-8 (12-16")	WAYLAND
L9908056-17	T-3-8 (18+")	WAYLAND

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by:

Scott McLean - Laboratory Director

Laboratory Job Number: L9908056
Date Reported: 14-OCT-99

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L9908056-18	T-3-13 (0-6")	WAYLAND
L9908056-19	T-3-7 (18+)	WAYLAND

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-01
T-7-A (0-6")
Sample Matrix: SOIL

Date Collected: 05-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber Glass,3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	24.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	ND	mg/kg	10.	1	7196A		08-Oct	JT
Total Metals				1	3051			
Aluminum, Total	10000	mg/kg	16.	1	6010B	07-Oct	08-Oct	LP
Antimony, Total	ND	mg/kg	8.3	1	6010B	07-Oct	08-Oct	MG
Arsenic, Total	12.	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Barium, Total	150	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Beryllium, Total	0.84	mg/kg	0.83	1	6010B	07-Oct	08-Oct	MG
Cadmium, Total	5.4	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Calcium, Total	2800	mg/kg	83.	1	6010B	07-Oct	08-Oct	LP
Chromium, Total	2400	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Cobalt, Total	4.0	mg/kg	3.3	1	6010B	07-Oct	08-Oct	MG
Copper, Total	2900	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Iron, Total	7800	mg/kg	8.3	1	6010B	07-Oct	08-Oct	LP
Lead, Total	430	mg/kg	8.3	1	6010B	07-Oct	08-Oct	MG
Magnesium, Total	2400	mg/kg	16.	1	6010B	07-Oct	08-Oct	MG
Manganese, Total	140	mg/kg	1.6	1	6010B	07-Oct	08-Oct	LP
Mercury, Total	3.0	mg/kg	1.0	1	7471A	07-Oct	08-Oct	TT
Nickel, Total	20.	mg/kg	4.1	1	6010B	07-Oct	08-Oct	MG
Potassium, Total	690	mg/kg	410	1	6010B	07-Oct	08-Oct	LP
Selenium, Total	ND	mg/kg	3.3	1	6010B	07-Oct	08-Oct	MG
Silver, Total	250	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Sodium, Total	490	mg/kg	83.	1	6010B	07-Oct	08-Oct	LP
Thallium, Total	ND	mg/kg	3.3	1	6010B	07-Oct	08-Oct	MG
Tin, Total	ND	mg/kg	8.3	1	6010B	07-Oct	08-Oct	LP
Vanadium, Total	71.	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Zinc, Total	180	mg/kg	8.3	1	6010B	07-Oct	08-Oct	MG
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	13-Oct	MK
Acenaphthene	ND	ug/kg	420					
2-Chloronaphthalene	ND	ug/kg	420					
Fluoranthene	2800	ug/kg	420					
Naphthalene	ND	ug/kg	420					
Benzo(a)anthracene	1100	ug/kg	420					

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L9908056-01
T-7-A (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	II
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	13-Oct	MK
Benzo(a,e)pyrene	1600	ug/kg	420					
Benzo(b)fluoranthene	2400	ug/kg	420					
Benzo(k)fluoranthene	1800	ug/kg	420					
Chrysene	2200	ug/kg	420					
Acenaphthylene	ND	ug/kg	420					
Anthracene	ND	ug/kg	420					
Benzo(ghi)perylene	1600	ug/kg	420					
Fluorene	ND	ug/kg	420					
Phenanthrene	1200	ug/kg	420					
Dibenzo(a,h)anthracene	490	ug/kg	420					
Indeno(1,2,3-cd)Pyrene	1600	ug/kg	420					
Pyrene	2400	ug/kg	420					
1-Methylnaphthalene	ND	ug/kg	420					
2-Methylnaphthalene	ND	ug/kg	420					
Perylene	ND	ug/kg	420					
Biphenyl	ND	ug/kg	420					
Surrogate Recovery								
Nitrobenzene-d5	68.0	%						
2-Fluorobiphenyl	74.0	%						
4-Terphenyl-d14	77.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	08-Oct	MB
Aroclor 1221	ND	ug/kg	1040					
Aroclor 1232	ND	ug/kg	1040					
Aroclor 1242/1016	ND	ug/kg	1040					
Aroclor 1248	ND	ug/kg	1040					
Aroclor 1254	ND	ug/kg	1040					
Aroclor 1260	11700	ug/kg	1040					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	114.	%						
Decachlorobiphenyl	51.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-01
T-7-A (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Extractable Petroleum Hydrocarbons				46	98-1	09-Oct	14-Oct	JA

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? NO
1. One or more of the EPH LCS recoveries were greater than 140%.
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	316.	mg/kg	41.7
C19-C36 Aliphatics	1340	mg/kg	41.7
C11-C22 Aromatics	388.	mg/kg	41.7

Surrogate Recovery

Chloro-Octadecane	103.	%
o-Terphenyl	92.0	%
2-Fluorobiphenyl	106.	%
2-Bromonaphthalene	85.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-02
T-7-A (12-18")
Sample Matrix: SOIL

Date Collected: 05-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber Glass,3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	25.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	ND	mg/kg	10.	1	7196A		08-Oct	T
Total Metals				1	3051			
Aluminum, Total	10000	mg/kg	16.	1	6010B	07-Oct	08-Oct	LP
Antimony, Total	ND	mg/kg	7.9	1	6010B	07-Oct	08-Oct	G
Arsenic, Total	5.7	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Barium, Total	47.	mg/kg	1.6	1	6010B	07-Oct	08-Oct	G
Beryllium, Total	1.1	mg/kg	0.79	1	6010B	07-Oct	08-Oct	G
Cadmium, Total	2.3	mg/kg	1.6	1	6010B	07-Oct	08-Oct	G
Calcium, Total	3400	mg/kg	79.	1	6010B	07-Oct	08-Oct	LP
Chromium, Total	420	mg/kg	1.6	1	6010B	07-Oct	08-Oct	G
Cobalt, Total	ND	mg/kg	3.1	1	6010B	07-Oct	08-Oct	G
Copper, Total	490	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Iron, Total	4300	mg/kg	7.9	1	6010B	07-Oct	08-Oct	LP
Lead, Total	74.	mg/kg	7.9	1	6010B	07-Oct	08-Oct	G
Magnesium, Total	660	mg/kg	16.	1	6010B	07-Oct	08-Oct	G
Manganese, Total	160	mg/kg	1.6	1	6010B	07-Oct	08-Oct	LP
Mercury, Total	ND	mg/kg	1.0	1	7471A	07-Oct	08-Oct	T
Nickel, Total	11.	mg/kg	3.9	1	6010B	07-Oct	08-Oct	G
Potassium, Total	ND	mg/kg	390	1	6010B	07-Oct	08-Oct	P
Selenium, Total	ND	mg/kg	3.1	1	6010B	07-Oct	08-Oct	MG
Silver, Total	35.	mg/kg	1.6	1	6010B	07-Oct	08-Oct	G
Sodium, Total	330	mg/kg	79.	1	6010B	07-Oct	08-Oct	P
Thallium, Total	ND	mg/kg	3.1	1	6010B	07-Oct	08-Oct	MG
Tin, Total	ND	mg/kg	7.9	1	6010B	07-Oct	08-Oct	LP
Vanadium, Total	33.	mg/kg	1.6	1	6010B	07-Oct	08-Oct	G
Zinc, Total	91.	mg/kg	7.9	1	6010B	07-Oct	08-Oct	G
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	13-Oct	MK
Acenaphthene	ND	ug/kg	160					
2-Chloronaphthalene	ND	ug/kg	160					
Fluoranthene	690	ug/kg	160					
Naphthalene	ND	ug/kg	160					
Benzo(a)anthracene	280	ug/kg	160					

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L9908056-02
T-7-A (12-18")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	13-Oct	MK
Benzo(a,e)pyrene	380	ug/kg	160					
Benzo(b)fluoranthene	560	ug/kg	160					
Benzo(k)fluoranthene	420	ug/kg	160					
Chrysene	510	ug/kg	160					
Acenaphthylene	ND	ug/kg	160					
Anthracene	ND	ug/kg	160					
Benzo(ghi)perylene	370	ug/kg	160					
Fluorene	ND	ug/kg	160					
Phenanthrene	260	ug/kg	160					
Dibenzo(a,h)anthracene	ND	ug/kg	160					
Indeno(1,2,3-cd)Pyrene	370	ug/kg	160					
Pyrene	610	ug/kg	160					
1-Methylnaphthalene	ND	ug/kg	160					
2-Methylnaphthalene	ND	ug/kg	160					
Perylene	ND	ug/kg	160					
Biphenyl	ND	ug/kg	160					
Surrogate Recovery								
Nitrobenzene-d5	76.0	%						
2-Fluorobiphenyl	73.0	%						
4-Terphenyl-d14	75.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	08-Oct	PB
Aroclor 1221	ND	ug/kg	1000					
Aroclor 1232	ND	ug/kg	1000					
Aroclor 1242/1016	ND	ug/kg	1000					
Aroclor 1248	ND	ug/kg	1000					
Aroclor 1254	ND	ug/kg	1000					
Aroclor 1260	1890	ug/kg	1000					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	98.0	%						
Decachlorobiphenyl	50.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-02
T-7-A (12-18")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	II
Extractable Petroleum Hydrocarbons				46	98-1	09-Oct	14-Oct	TP

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? NO
1. One or more of the EPH LCS recoveries were greater than 140%.
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	132.	mg/kg	40.0
C19-C36 Aliphatics	434.	mg/kg	40.0
C11-C22 Aromatics	225.	mg/kg	40.0

Surrogate Recovery

Chloro-Octadecane	83.0	%
o-Terphenyl	70.0	%
2-Fluorobiphenyl	95.0	%
2-Bromonaphthalene	82.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-03
T-7-7 (0-6")
Sample Matrix: SOIL

Date Collected: 05-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber Glass,3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	13.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	ND	mg/kg	19.	1	7196A		08-Oct	JT
Total Metals				1	3051			
Aluminum, Total	8400	mg/kg	31.	1	6010B	07-Oct	08-Oct	LP
Antimony, Total	16.	mg/kg	15.	1	6010B	07-Oct	08-Oct	MG
Arsenic, Total	88.	mg/kg	3.1	1	6010B	07-Oct	08-Oct	MG
Barium, Total	130	mg/kg	3.1	1	6010B	07-Oct	08-Oct	MG
Beryllium, Total	ND	mg/kg	1.5	1	6010B	07-Oct	08-Oct	MG
Cadmium, Total	3.1	mg/kg	3.1	1	6010B	07-Oct	08-Oct	MG
Calcium, Total	3500	mg/kg	150	1	6010B	07-Oct	08-Oct	LP
Chromium, Total	9000	mg/kg	3.1	1	6010B	07-Oct	08-Oct	MG
Cobalt, Total	ND	mg/kg	6.1	1	6010B	07-Oct	08-Oct	MG
Copper, Total	6800	mg/kg	3.1	1	6010B	07-Oct	08-Oct	MG
Iron, Total	16000	mg/kg	15.	1	6010B	07-Oct	08-Oct	LP
Lead, Total	780	mg/kg	15.	1	6010B	07-Oct	08-Oct	MG
Magnesium, Total	2800	mg/kg	31.	1	6010B	07-Oct	08-Oct	MG
Manganese, Total	130	mg/kg	3.1	1	6010B	07-Oct	08-Oct	LP
Mercury, Total	6.5	mg/kg	1.9	1	7471A	07-Oct	08-Oct	TT
Nickel, Total	20.	mg/kg	7.7	1	6010B	07-Oct	08-Oct	MG
Potassium, Total	ND	mg/kg	770	1	6010B	07-Oct	08-Oct	LP
Selenium, Total	ND	mg/kg	6.1	1	6010B	07-Oct	08-Oct	MG
Silver, Total	220	mg/kg	3.1	1	6010B	07-Oct	08-Oct	MG
Sodium, Total	320	mg/kg	150	1	6010B	07-Oct	08-Oct	LP
Thallium, Total	ND	mg/kg	6.1	1	6010B	07-Oct	08-Oct	MG
Tin, Total	54.	mg/kg	15.	1	6010B	07-Oct	08-Oct	LP
Vanadium, Total	170	mg/kg	3.1	1	6010B	07-Oct	08-Oct	MG
Zinc, Total	140	mg/kg	15.	1	6010B	07-Oct	08-Oct	MG
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	13-Oct	MK
Acenaphthene	ND	ug/kg	150					
2-Chloronaphthalene	ND	ug/kg	150					
Fluoranthene	1400	ug/kg	150					
Naphthalene	ND	ug/kg	150					
Benzo(a)anthracene	550	ug/kg	150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-03
T-7-7 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	13-Oct	JK
Benzo(a,e)pyrene	860	ug/kg	150					
Benzo(b)fluoranthene	1600	ug/kg	150					
Benzo(k)fluoranthene	1200	ug/kg	150					
Chrysene	1400	ug/kg	150					
Acenaphthylene	ND	ug/kg	150					
Anthracene	ND	ug/kg	150					
Benzo(ghi)perylene	1100	ug/kg	150					
Fluorene	ND	ug/kg	150					
Phenanthrene	580	ug/kg	150					
Dibenzo(a,h)anthracene	340	ug/kg	150					
Indeno(1,2,3-cd)Pyrene	1100	ug/kg	150					
Pyrene	1200	ug/kg	150					
1-Methylnaphthalene	ND	ug/kg	150					
2-Methylnaphthalene	ND	ug/kg	150					
Perylene	ND	ug/kg	150					
Biphenyl	ND	ug/kg	150					
Surrogate Recovery								
Nitrobenzene-d5	39.0	%						
2-Fluorobiphenyl	40.0	%						
4-Terphenyl-d14	39.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	08-Oct	PB
Aroclor 1221	ND	ug/kg	1920					
Aroclor 1232	ND	ug/kg	1920					
Aroclor 1242/1016	ND	ug/kg	1920					
Aroclor 1248	ND	ug/kg	1920					
Aroclor 1254	ND	ug/kg	1920					
Aroclor 1260	27600	ug/kg	1920					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	84.0	%						
Decachlorobiphenyl	38.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-03
T-7-7 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Extractable Petroleum Hydrocarbons				46	98-1	09-Oct	14-Oct	JA

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? NO
1. One or more of the EPH LCS recoveries were greater than 140%.
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	584.	mg/kg	76.9
C19-C36 Aliphatics	1520	mg/kg	76.9
C11-C22 Aromatics	503.	mg/kg	76.9

Surrogate Recovery

Chloro-Octadecane	64.0	%
o-Terphenyl	68.0	%
2-Fluorobiphenyl	92.0	%
2-Bromonaphthalene	65.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-04
T-7-11 (0-6")
Sample Matrix: SOIL

Date Collected: 05-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	TD
Solids, Total	10.	%	0.10	30	2540G		08-Oct	K
Chromium, Hexavalent	ND	mg/kg	12.	1	7196A		12-Oct	T
Total Metals				1	3051			
Aluminum, Total	5200	mg/kg	40.	1	6010B	07-Oct	08-Oct	P
Antimony, Total	ND	mg/kg	20.	1	6010B	07-Oct	08-Oct	G
Arsenic, Total	6.4	mg/kg	4.0	1	6010B	07-Oct	08-Oct	MG
Barium, Total	160	mg/kg	4.0	1	6010B	07-Oct	08-Oct	G
Beryllium, Total	ND	mg/kg	2.0	1	6010B	07-Oct	08-Oct	G
Cadmium, Total	1.58	mg/kg	1.19	1	6010B	07-Oct	08-Oct	MG
Calcium, Total	2300	mg/kg	200	1	6010B	07-Oct	08-Oct	LP
Chromium, Total	9900	mg/kg	4.0	1	6010B	07-Oct	08-Oct	G
Cobalt, Total	ND	mg/kg	7.9	1	6010B	07-Oct	08-Oct	G
Copper, Total	5800	mg/kg	4.0	1	6010B	07-Oct	08-Oct	MG
Iron, Total	16000	mg/kg	20.	1	6010B	07-Oct	08-Oct	LP
Lead, Total	750	mg/kg	20.	1	6010B	07-Oct	08-Oct	G
Magnesium, Total	2000	mg/kg	40.	1	6010B	07-Oct	08-Oct	G
Manganese, Total	100	mg/kg	4.0	1	6010B	07-Oct	08-Oct	LP
Mercury, Total	4.1	mg/kg	2.5	1	7471A	07-Oct	08-Oct	T
Nickel, Total	12.	mg/kg	9.9	1	6010B	07-Oct	08-Oct	G
Potassium, Total	ND	mg/kg	990	1	6010B	07-Oct	08-Oct	LP
Selenium, Total	ND	mg/kg	7.9	1	6010B	07-Oct	08-Oct	MG
Silver, Total	240	mg/kg	4.0	1	6010B	07-Oct	08-Oct	G
Sodium, Total	380	mg/kg	200	1	6010B	07-Oct	08-Oct	P
Thallium, Total	ND	mg/kg	7.9	1	6010B	07-Oct	08-Oct	MG
Tin, Total	99.	mg/kg	20.	1	6010B	07-Oct	08-Oct	LP
Vanadium, Total	150	mg/kg	4.0	1	6010B	07-Oct	08-Oct	G
Zinc, Total	110	mg/kg	20.	1	6010B	07-Oct	08-Oct	G
Polychlorinated Biphenyls				1	8082	07-Oct	08-Oct	B
Aroclor 1221	ND	ug/kg	2500					
Aroclor 1232	ND	ug/kg	2500					
Aroclor 1242/1016	ND	ug/kg	2500					
Aroclor 1248	ND	ug/kg	2500					
Aroclor 1254	ND	ug/kg	2500					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-04
T-7-11 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Polychlorinated Biphenyls continued				1	8082	07-Oct	08-Oct	PB
Aroclor 1260	9470	ug/kg	2500					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	91.0	%						
Decachlorobiphenyl	46.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-05
T-7-6
Sample Matrix: SOIL

Date Collected: 05-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber Glass,4-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	13.	%	0.10	30	2540G		08-Oct	K
Chromium, Hexavalent	ND	mg/kg	19.	1	7196A		08-Oct	T
Total Metals				1	3051			
Aluminum, Total	8200	mg/kg	30.	1	6010B	07-Oct	08-Oct	P
Antimony, Total	ND	mg/kg	15.	1	6010B	07-Oct	08-Oct	G
Arsenic, Total	44.	mg/kg	3.0	1	6010B	07-Oct	08-Oct	MG
Barium, Total	140	mg/kg	3.0	1	6010B	07-Oct	08-Oct	G
Beryllium, Total	ND	mg/kg	1.5	1	6010B	07-Oct	08-Oct	G
Cadmium, Total	8.3	mg/kg	3.0	1	6010B	07-Oct	08-Oct	MG
Calcium, Total	6400	mg/kg	150	1	6010B	07-Oct	08-Oct	LP
Chromium, Total	6300	mg/kg	3.0	1	6010B	07-Oct	08-Oct	G
Cobalt, Total	ND	mg/kg	6.0	1	6010B	07-Oct	08-Oct	G
Copper, Total	5800	mg/kg	3.0	1	6010B	07-Oct	08-Oct	MG
Iron, Total	17000	mg/kg	15.	1	6010B	07-Oct	08-Oct	LP
Lead, Total	770	mg/kg	15.	1	6010B	07-Oct	08-Oct	G
Magnesium, Total	3000	mg/kg	30.	1	6010B	07-Oct	08-Oct	G
Manganese, Total	340	mg/kg	3.0	1	6010B	07-Oct	08-Oct	LP
Mercury, Total	7.8	mg/kg	1.9	1	7471A	07-Oct	08-Oct	T
Nickel, Total	36.	mg/kg	7.6	1	6010B	07-Oct	08-Oct	G
Potassium, Total	ND	mg/kg	760	1	6010B	07-Oct	08-Oct	LP
Selenium, Total	ND	mg/kg	6.0	1	6010B	07-Oct	08-Oct	MG
Silver, Total	120	mg/kg	3.0	1	6010B	07-Oct	08-Oct	G
Sodium, Total	430	mg/kg	150	1	6010B	07-Oct	08-Oct	P
Thallium, Total	ND	mg/kg	6.0	1	6010B	07-Oct	08-Oct	MG
Tin, Total	55.	mg/kg	15.	1	6010B	07-Oct	08-Oct	LP
Vanadium, Total	120	mg/kg	3.0	1	6010B	07-Oct	08-Oct	G
Zinc, Total	330	mg/kg	15.	1	6010B	07-Oct	08-Oct	G
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	13-Oct	K
Acenaphthene	ND	ug/kg	310					
2-Chloronaphthalene	ND	ug/kg	310					
Fluoranthene	2000	ug/kg	310					
Naphthalene	ND	ug/kg	310					
Benzo(a)anthracene	830	ug/kg	310					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-05
T-7-6

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	13-Oct	MK
Benzo(a,e)pyrene	1200	ug/kg	310					
Benzo(b)fluoranthene	1900	ug/kg	310					
Benzo(k)fluoranthene	1500	ug/kg	310					
Chrysene	1700	ug/kg	310					
Acenaphthylene	ND	ug/kg	310					
Anthracene	ND	ug/kg	310					
Benzo(ghi)perylene	1300	ug/kg	310					
Fluorene	ND	ug/kg	310					
Phenanthrene	870	ug/kg	310					
Dibenzo(a,h)anthracene	410	ug/kg	310					
Indeno(1,2,3-cd)Pyrene	1400	ug/kg	310					
Pyrene	1700	ug/kg	310					
1-Methylnaphthalene	ND	ug/kg	310					
2-Methylnaphthalene	ND	ug/kg	310					
Perylene	ND	ug/kg	310					
Biphenyl	ND	ug/kg	310					
Surrogate Recovery								
Nitrobenzene-d5	93.0	%						
2-Fluorobiphenyl	83.0	%						
4-Terphenyl-d14	85.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	08-Oct	PB
Aroclor 1221	ND	ug/kg	1920					
Aroclor 1232	ND	ug/kg	1920					
Aroclor 1242/1016	ND	ug/kg	1920					
Aroclor 1248	ND	ug/kg	1920					
Aroclor 1254	ND	ug/kg	1920					
Aroclor 1260	9970	ug/kg	1920					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	106.	%						
Decachlorobiphenyl	50.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-05
T-7-6

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Extractable Petroleum Hydrocarbons				46	98-1	09-Oct	14-Oct	TA

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? NO
1. One or more of the EPH LCS recoveries were greater than 140%.
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	250.	mg/kg	76.9
C19-C36 Aliphatics	776.	mg/kg	76.9
C11-C22 Aromatics	304.	mg/kg	76.9

Surrogate Recovery

Chloro-Octadecane	78.0	%
o-Terphenyl	70.0	%
2-Fluorobiphenyl	91.0	%
2-Bromonaphthalene	52.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-06
T-7-6 (12-18")
Sample Matrix: SOIL

Date Collected: 05-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber Glass,4-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	24.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	420	mg/kg	10.	1	7196A		08-Oct	JT
Total Metals				1	3051			
Aluminum, Total	9200	mg/kg	16.	1	6010B	07-Oct	08-Oct	LP
Antimony, Total	ND	mg/kg	8.2	1	6010B	07-Oct	08-Oct	MG
Arsenic, Total	19.	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Barium, Total	32.	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Beryllium, Total	1.3	mg/kg	0.82	1	6010B	07-Oct	08-Oct	MG
Cadmium, Total	1.19	mg/kg	0.818	1	6010B	07-Oct	08-Oct	MG
Calcium, Total	7100	mg/kg	82.	1	6010B	07-Oct	08-Oct	LP
Chromium, Total	53.	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Cobalt, Total	ND	mg/kg	3.3	1	6010B	07-Oct	08-Oct	MG
Copper, Total	99.	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Iron, Total	4200	mg/kg	8.2	1	6010B	07-Oct	08-Oct	LP
Lead, Total	26.	mg/kg	8.2	1	6010B	07-Oct	08-Oct	MG
Magnesium, Total	600	mg/kg	16.	1	6010B	07-Oct	08-Oct	MG
Manganese, Total	300	mg/kg	1.6	1	6010B	07-Oct	08-Oct	LP
Mercury, Total	ND	mg/kg	1.0	1	7471A	07-Oct	08-Oct	TT
Nickel, Total	10.	mg/kg	4.1	1	6010B	07-Oct	08-Oct	MG
Potassium, Total	ND	mg/kg	410	1	6010B	07-Oct	08-Oct	LP
Selenium, Total	ND	mg/kg	3.3	1	6010B	07-Oct	08-Oct	MG
Silver, Total	1.42	mg/kg	1.31	1	6010B	07-Oct	08-Oct	MG
Sodium, Total	400	mg/kg	82.	1	6010B	07-Oct	08-Oct	LP
Thallium, Total	ND	mg/kg	3.3	1	6010B	07-Oct	08-Oct	MG
Tin, Total	ND	mg/kg	8.2	1	6010B	07-Oct	08-Oct	LP
Vanadium, Total	15.	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Zinc, Total	63.	mg/kg	8.2	1	6010B	07-Oct	08-Oct	MG
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	13-Oct	MK
Acenaphthene	ND	ug/kg	83.					
2-Chloronaphthalene	ND	ug/kg	83.					
Fluoranthene	ND	ug/kg	83.					
Naphthalene	ND	ug/kg	83.					
Benzo(a)anthracene	ND	ug/kg	83.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L9908056-06
T-7-6 (12-18")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	13-Oct	JK
Benzo(a,e)pyrene	ND	ug/kg	83.					
Benzo(b)fluoranthene	ND	ug/kg	83.					
Benzo(k)fluoranthene	ND	ug/kg	83.					
Chrysene	ND	ug/kg	83.					
Acenaphthylene	ND	ug/kg	83.					
Anthracene	ND	ug/kg	83.					
Benzo(ghi)perylene	ND	ug/kg	83.					
Fluorene	ND	ug/kg	83.					
Phenanthrene	ND	ug/kg	83.					
Dibenzo(a,h)anthracene	ND	ug/kg	83.					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	83.					
Pyrene	ND	ug/kg	83.					
1-Methylnaphthalene	ND	ug/kg	83.					
2-Methylnaphthalene	ND	ug/kg	83.					
Perylene	ND	ug/kg	83.					
Biphenyl	ND	ug/kg	83.					
Surrogate Recovery								
Nitrobenzene-d5	63.0	%						
2-Fluorobiphenyl	64.0	%						
4-Terphenyl-d14	67.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	09-Oct	PB
Aroclor 1221	ND	ug/kg	1040					
Aroclor 1232	ND	ug/kg	1040					
Aroclor 1242/1016	ND	ug/kg	1040					
Aroclor 1248	ND	ug/kg	1040					
Aroclor 1254	ND	ug/kg	1040					
Aroclor 1260	ND	ug/kg	1040					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	85.0	%						
Decachlorobiphenyl	45.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-06
T-7-6 (12-18")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Extractable Petroleum Hydrocarbons				46	98-1	09-Oct	14-Oct	JA

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? NO
1. One or more of the EPH LCS recoveries were greater than 140%.
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	ND	mg/kg	41.7
C19-C36 Aliphatics	ND	mg/kg	41.7
C11-C22 Aromatics	59.6	mg/kg	41.7

Surrogate Recovery

Chloro-Octadecane	76.0	%
o-Terphenyl	74.0	%
2-Fluorobiphenyl	100.	%
2-Bromonaphthalene	63.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-07
T-3-6 (0-6")
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-40ml VOA,1-Amber Glass,3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	24.	%	0.10	30	2540G		08-Oct	K
Chromium, Hexavalent	ND	mg/kg	5.2	1	7196A		12-Oct	T
Total Metals				1	3051			
Aluminum, Total	14000	mg/kg	16.	1	6010B	07-Oct	08-Oct	P
Antimony, Total	ND	mg/kg	8.2	1	6010B	07-Oct	08-Oct	G
Arsenic, Total	19.	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Barium, Total	200	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Beryllium, Total	ND	mg/kg	0.82	1	6010B	07-Oct	08-Oct	G
Cadmium, Total	5.3	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Calcium, Total	3100	mg/kg	82.	1	6010B	07-Oct	08-Oct	LP
Chromium, Total	870	mg/kg	1.6	1	6010B	07-Oct	08-Oct	G
Cobalt, Total	6.2	mg/kg	3.3	1	6010B	07-Oct	08-Oct	G
Copper, Total	2600	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Iron, Total	18000	mg/kg	8.2	1	6010B	07-Oct	08-Oct	LP
Lead, Total	960	mg/kg	8.2	1	6010B	07-Oct	08-Oct	G
Magnesium, Total	5100	mg/kg	16.	1	6010B	07-Oct	08-Oct	G
Manganese, Total	260	mg/kg	1.6	1	6010B	07-Oct	08-Oct	LP
Mercury, Total	2.4	mg/kg	1.0	1	7471A	07-Oct	08-Oct	T
Nickel, Total	33.	mg/kg	4.1	1	6010B	07-Oct	08-Oct	G
Potassium, Total	1100	mg/kg	410	1	6010B	07-Oct	08-Oct	P
Selenium, Total	ND	mg/kg	3.3	1	6010B	07-Oct	08-Oct	MG
Silver, Total	220	mg/kg	1.6	1	6010B	07-Oct	08-Oct	G
Sodium, Total	460	mg/kg	82.	1	6010B	07-Oct	08-Oct	P
Thallium, Total	ND	mg/kg	3.3	1	6010B	07-Oct	08-Oct	MG
Tin, Total	ND	mg/kg	8.2	1	6010B	07-Oct	08-Oct	LP
Vanadium, Total	160	mg/kg	1.6	1	6010B	07-Oct	08-Oct	G
Zinc, Total	340	mg/kg	8.2	1	6010B	07-Oct	08-Oct	G
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	13-Oct	MK
Acenaphthene	680	ug/kg	420					
2-Chloronaphthalene	ND	ug/kg	420					
Fluoranthene	52000	ug/kg	420					
Naphthalene	ND	ug/kg	420					
Benzo(a)anthracene	18000	ug/kg	420					

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L9908056-07
T-3-6 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	13-Oct	MK
Benzo(a,e)pyrene	32000	ug/kg	420					
Benzo(b)fluoranthene	44000	ug/kg	420					
Benzo(k)fluoranthene	33000	ug/kg	420					
Chrysene	37000	ug/kg	420					
Acenaphthylene	1000	ug/kg	420					
Anthracene	3300	ug/kg	420					
Benzo(ghi)perylene	33000	ug/kg	420					
Fluorene	740	ug/kg	420					
Phenanthrene	18000	ug/kg	420					
Dibenzo(a,h)anthracene	8400	ug/kg	420					
Indeno(1,2,3-cd)Pyrene	34000	ug/kg	420					
Pyrene	42000	ug/kg	420					
1-Methylnaphthalene	ND	ug/kg	420					
2-Methylnaphthalene	ND	ug/kg	420					
Perylene	6000	ug/kg	420					
Biphenyl	ND	ug/kg	420					
Surrogate Recovery								
Nitrobenzene-d5	56.0	%						
2-Fluorobiphenyl	56.0	%						
4-Terphenyl-d14	58.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	12-Oct	PB
Aroclor 1221	ND	ug/kg	5200					
Aroclor 1232	ND	ug/kg	5200					
Aroclor 1242/1016	ND	ug/kg	5200					
Aroclor 1248	ND	ug/kg	5200					
Aroclor 1254	ND	ug/kg	5200					
Aroclor 1260	51700	ug/kg	5200					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	103.	%						
Decachlorobiphenyl	79.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-07
T-3-6 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Volatile Petroleum Hydrocarbons				47	98-1		13-Oct	TC

Quality Control Information

Condition of sample received:	Satisfactory
Sample temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1 +/- 25%

Were all QA/QC procedures REQUIRED by the method followed?	YES
Were all performance/acceptance standards for the required procedures achieved?	YES
Were significant modifications made to the method as specified in Sect 11.3?	NO

Please note to subtract the method blank from the stated result.
The normal acceptance range for the surrogate, 2,5-Dibromotoluene, is 70-130%.

C5-C8 Aliphatics	29.7	mg/kg	7.18
C9-C12 Aliphatics	75.8	mg/kg	7.18
C9-C10 Aromatics	ND	mg/kg	7.18
C5-C8 Aliphatics, Adjusted	29.7	mg/kg	7.18
C9-C12 Aliphatics, Adjusted	75.8	mg/kg	7.18
Benzene	ND	mg/kg	0.718
Toluene	ND	mg/kg	0.718
Ethylbenzene	ND	mg/kg	0.718
p/m-Xylene	ND	mg/kg	0.718
o-Xylene	ND	mg/kg	0.718
Methyl tert butyl ether	ND	mg/kg	7.18
Naphthalene	ND	mg/kg	7.18

Surrogate Recovery

2,5-Dibromotoluene	116.	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-07
T-3-6 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Extractable Petroleum Hydrocarbons				46	98-1	09-Oct	14-Oct	JA

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? NO
1. One or more of the EPH LCS recoveries were greater than 140%.
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	64.5	mg/kg	41.7
C19-C36 Aliphatics	1110	mg/kg	41.7
C11-C22 Aromatics	780.	mg/kg	41.7

Surrogate Recovery

Chloro-Octadecane	101.	%
o-Terphenyl	107.	%
2-Fluorobiphenyl	89.0	%
2-Bromonaphthalene	62.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-08
T-3-6 (12-18")
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber Glass,3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	TD
Solids, Total	59.	%	0.10	30	2540G		08-Oct	K
Chromium, Hexavalent	ND	mg/kg	0.85	1	7196A		12-Oct	T
Total Metals				1	3051			
Aluminum, Total	14000	mg/kg	6.7	1	6010B	07-Oct	08-Oct	P
Antimony, Total	ND	mg/kg	3.4	1	6010B	07-Oct	08-Oct	G
Arsenic, Total	18.	mg/kg	0.67	1	6010B	07-Oct	08-Oct	MG
Barium, Total	77.	mg/kg	0.67	1	6010B	07-Oct	08-Oct	G
Beryllium, Total	0.82	mg/kg	0.34	1	6010B	07-Oct	08-Oct	G
Cadmium, Total	3.1	mg/kg	0.67	1	6010B	07-Oct	08-Oct	MG
Calcium, Total	2000	mg/kg	34.	1	6010B	07-Oct	08-Oct	LP
Chromium, Total	370	mg/kg	0.67	1	6010B	07-Oct	08-Oct	G
Cobalt, Total	7.3	mg/kg	1.3	1	6010B	07-Oct	08-Oct	G
Copper, Total	480	mg/kg	0.67	1	6010B	07-Oct	08-Oct	MG
Iron, Total	14000	mg/kg	3.4	1	6010B	07-Oct	08-Oct	LP
Lead, Total	160	mg/kg	3.4	1	6010B	07-Oct	08-Oct	G
Magnesium, Total	3700	mg/kg	6.7	1	6010B	07-Oct	08-Oct	G
Manganese, Total	210	mg/kg	0.67	1	6010B	07-Oct	08-Oct	LP
Mercury, Total	0.46	mg/kg	0.42	1	7471A	07-Oct	08-Oct	T
Nickel, Total	23.	mg/kg	1.7	1	6010B	07-Oct	08-Oct	G
Potassium, Total	1600	mg/kg	170	1	6010B	07-Oct	08-Oct	LP
Selenium, Total	ND	mg/kg	1.3	1	6010B	07-Oct	08-Oct	MG
Silver, Total	62.	mg/kg	0.67	1	6010B	07-Oct	08-Oct	G
Sodium, Total	260	mg/kg	34.	1	6010B	07-Oct	08-Oct	P
Thallium, Total	ND	mg/kg	1.3	1	6010B	07-Oct	08-Oct	MG
Tin, Total	ND	mg/kg	34.	1	6010B	07-Oct	14-Oct	LP
Vanadium, Total	55.	mg/kg	0.67	1	6010B	07-Oct	08-Oct	G
Zinc, Total	210	mg/kg	3.4	1	6010B	07-Oct	08-Oct	G
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	14-Oct	K
Acenaphthene	ND	ug/kg	68.					
2-Chloronaphthalene	ND	ug/kg	68.					
Fluoranthene	730	ug/kg	68.					
Naphthalene	ND	ug/kg	68.					
Benzo(a)anthracene	260	ug/kg	68.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-08
T-3-6 (12-18")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	14-Oct	MK
Benzo(a,e)pyrene	380	ug/kg	68.					
Benzo(b)fluoranthene	510	ug/kg	68.					
Benzo(k)fluoranthene	400	ug/kg	68.					
Chrysene	470	ug/kg	68.					
Acenaphthylene	ND	ug/kg	68.					
Anthracene	ND	ug/kg	68.					
Benzo(ghi)perylene	370	ug/kg	68.					
Fluorene	ND	ug/kg	68.					
Phenanthrene	270	ug/kg	68.					
Dibenzo(a,h)anthracene	93.	ug/kg	68.					
Indeno(1,2,3-cd)Pyrene	370	ug/kg	68.					
Pyrene	620	ug/kg	68.					
1-Methylnaphthalene	ND	ug/kg	68.					
2-Methylnaphthalene	ND	ug/kg	68.					
Perylene	73.	ug/kg	68.					
Biphenyl	ND	ug/kg	68.					
Surrogate Recovery								
Nitrobenzene-d5	72.0	%						
2-Fluorobiphenyl	72.0	%						
4-Terphenyl-d14	76.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	09-Oct	PB
Aroclor 1221	ND	ug/kg	424.					
Aroclor 1232	ND	ug/kg	424.					
Aroclor 1242/1016	ND	ug/kg	424.					
Aroclor 1248	ND	ug/kg	424.					
Aroclor 1254	ND	ug/kg	424.					
Aroclor 1260	ND	ug/kg	424.					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	112.	%						
Decachlorobiphenyl	59.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-08
T-3-6 (12-18")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Extractable Petroleum Hydrocarbons				46	98-1	09-Oct	14-Oct	JA

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? NO
1. One or more of the EPH LCS recoveries were greater than 140%.
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	33.5	mg/kg	16.9
C19-C36 Aliphatics	116.	mg/kg	16.9
C11-C22 Aromatics	76.7	mg/kg	16.9

Surrogate Recovery

Chloro-Octadecane	85.0	%
o-Terphenyl	98.0	%
2-Fluorobiphenyl	115.	%
2-Bromonaphthalene	88.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-09
T-3-6 (18+")
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	50.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	ND	mg/kg	1.0	1	7196A		12-Oct	ST
Total Metals				1	3051			
Aluminum, Total	26000	mg/kg	8.0	1	6010B	07-Oct	08-Oct	LP
Antimony, Total	ND	mg/kg	4.0	1	6010B	07-Oct	08-Oct	MG
Arsenic, Total	19.	mg/kg	0.80	1	6010B	07-Oct	08-Oct	MG
Barium, Total	95.	mg/kg	0.80	1	6010B	07-Oct	08-Oct	MG
Beryllium, Total	1.5	mg/kg	0.40	1	6010B	07-Oct	08-Oct	MG
Cadmium, Total	2.4	mg/kg	0.80	1	6010B	07-Oct	08-Oct	MG
Calcium, Total	2100	mg/kg	40.	1	6010B	07-Oct	08-Oct	LP
Chromium, Total	210	mg/kg	0.80	1	6010B	07-Oct	08-Oct	MG
Cobalt, Total	13.	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Copper, Total	270	mg/kg	0.80	1	6010B	07-Oct	08-Oct	MG
Iron, Total	23000	mg/kg	4.0	1	6010B	07-Oct	08-Oct	LP
Lead, Total	63.	mg/kg	4.0	1	6010B	07-Oct	08-Oct	MG
Magnesium, Total	7100	mg/kg	8.0	1	6010B	07-Oct	08-Oct	MG
Manganese, Total	330	mg/kg	0.80	1	6010B	07-Oct	08-Oct	LP
Mercury, Total	ND	mg/kg	0.50	1	7471A	07-Oct	08-Oct	TT
Nickel, Total	32.	mg/kg	2.0	1	6010B	07-Oct	08-Oct	MG
Potassium, Total	2300	mg/kg	200	1	6010B	07-Oct	08-Oct	LP
Selenium, Total	ND	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Silver, Total	21.	mg/kg	0.80	1	6010B	07-Oct	08-Oct	MG
Sodium, Total	280	mg/kg	40.	1	6010B	07-Oct	08-Oct	LP
Thallium, Total	ND	mg/kg	1.6	1	6010B	07-Oct	08-Oct	MG
Tin, Total	ND	mg/kg	80.	1	6010B	07-Oct	14-Oct	LP
Vanadium, Total	54.	mg/kg	0.80	1	6010B	07-Oct	08-Oct	MG
Zinc, Total	160	mg/kg	4.0	1	6010B	07-Oct	08-Oct	MG
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	14-Oct	MK
Acenaphthene	ND	ug/kg	160					
2-Chloronaphthalene	ND	ug/kg	160					
Fluoranthene	930	ug/kg	160					
Naphthalene	ND	ug/kg	160					
Benzo(a)anthracene	340	ug/kg	160					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-09
T-3-6 (18+")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	14-Oct	IK
Benzo(a,e)pyrene	460	ug/kg	160					
Benzo(b)fluoranthene	590	ug/kg	160					
Benzo(k)fluoranthene	520	ug/kg	160					
Chrysene	610	ug/kg	160					
Acenaphthylene	ND	ug/kg	160					
Anthracene	ND	ug/kg	160					
Benzo(ghi)perylene	410	ug/kg	160					
Fluorene	ND	ug/kg	160					
Phenanthrene	310	ug/kg	160					
Dibenzo(a,h)anthracene	ND	ug/kg	160					
Indeno(1,2,3-cd)Pyrene	420	ug/kg	160					
Pyrene	810	ug/kg	160					
1-Methylnaphthalene	ND	ug/kg	160					
2-Methylnaphthalene	ND	ug/kg	160					
Perylene	ND	ug/kg	160					
Biphenyl	ND	ug/kg	160					
Surrogate Recovery								
Nitrobenzene-d5	74.0	%						
2-Fluorobiphenyl	77.0	%						
4-Terphenyl-d14	86.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	09-Oct	PB
Aroclor 1221	ND	ug/kg	500.					
Aroclor 1232	ND	ug/kg	500.					
Aroclor 1242/1016	ND	ug/kg	500.					
Aroclor 1248	ND	ug/kg	500.					
Aroclor 1254	ND	ug/kg	500.					
Aroclor 1260	578.	ug/kg	500.					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	71.0	%						
Decachlorobiphenyl	42.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-10
T-3-11 (0-6")
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	35.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	ND	mg/kg	3.6	1	7196A		12-Oct	ST
Total Metals				1	3051			
Aluminum, Total	23000	mg/kg	11.	1	6010B	07-Oct	08-Oct	LP
Antimony, Total	ND	mg/kg	5.7	1	6010B	07-Oct	08-Oct	MG
Arsenic, Total	12.	mg/kg	1.1	1	6010B	07-Oct	08-Oct	MG
Barium, Total	87.	mg/kg	1.1	1	6010B	07-Oct	08-Oct	MG
Beryllium, Total	1.4	mg/kg	0.57	1	6010B	07-Oct	08-Oct	MG
Cadmium, Total	2.5	mg/kg	1.1	1	6010B	07-Oct	08-Oct	MG
Calcium, Total	3000	mg/kg	57.	1	6010B	07-Oct	08-Oct	LP
Chromium, Total	69.	mg/kg	1.1	1	6010B	07-Oct	08-Oct	MG
Cobalt, Total	8.8	mg/kg	2.3	1	6010B	07-Oct	08-Oct	MG
Copper, Total	170	mg/kg	1.1	1	6010B	07-Oct	08-Oct	MG
Iron, Total	20000	mg/kg	5.7	1	6010B	07-Oct	08-Oct	LP
Lead, Total	330	mg/kg	5.7	1	6010B	07-Oct	08-Oct	MG
Magnesium, Total	6400	mg/kg	11.	1	6010B	07-Oct	08-Oct	MG
Manganese, Total	250	mg/kg	1.1	1	6010B	07-Oct	08-Oct	LP
Mercury, Total	ND	mg/kg	0.71	1	7471A	07-Oct	08-Oct	TT
Nickel, Total	33.	mg/kg	2.8	1	6010B	07-Oct	08-Oct	MG
Potassium, Total	1400	mg/kg	280	1	6010B	07-Oct	08-Oct	LP
Selenium, Total	ND	mg/kg	2.3	1	6010B	07-Oct	08-Oct	MG
Silver, Total	1.4	mg/kg	1.1	1	6010B	07-Oct	08-Oct	MG
Sodium, Total	210	mg/kg	57.	1	6010B	07-Oct	08-Oct	LP
Thallium, Total	ND	mg/kg	2.3	1	6010B	07-Oct	08-Oct	MG
Tin, Total	ND	mg/kg	57.	1	6010B	07-Oct	13-Oct	LP
Vanadium, Total	57.	mg/kg	1.1	1	6010B	07-Oct	08-Oct	MG
Zinc, Total	190	mg/kg	5.7	1	6010B	07-Oct	08-Oct	MG
Polychlorinated Biphenyls				1	8082	07-Oct	09-Oct	PB
Aroclor 1221	ND	ug/kg	714.					
Aroclor 1232	ND	ug/kg	714.					
Aroclor 1242/1016	ND	ug/kg	714.					
Aroclor 1248	ND	ug/kg	714.					
Aroclor 1254	ND	ug/kg	714.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-10
T-3-11 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Polychlorinated Biphenyls continued				1	8082	07-Oct	09-Oct	B
Aroclor 1260	ND	ug/kg	714.					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	86.0	%						
Decachlorobiphenyl	45.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-11
T-3-11 (12-18")
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	44.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	ND	mg/kg	5.7	1	7196A		12-Oct	ST
Total Metals				1	3051			
Aluminum, Total	12000	mg/kg	8.9	1	6010B	07-Oct	08-Oct	LP
Antimony, Total	ND	mg/kg	4.5	1	6010B	07-Oct	08-Oct	MG
Arsenic, Total	5.1	mg/kg	0.89	1	6010B	07-Oct	08-Oct	MG
Barium, Total	36.	mg/kg	0.89	1	6010B	07-Oct	08-Oct	MG
Beryllium, Total	1.0	mg/kg	0.45	1	6010B	07-Oct	08-Oct	MG
Cadmium, Total	0.563	mg/kg	0.446	1	6010B	07-Oct	08-Oct	MG
Calcium, Total	3100	mg/kg	45.	1	6010B	07-Oct	08-Oct	LP
Chromium, Total	14.	mg/kg	0.89	1	6010B	07-Oct	08-Oct	MG
Cobalt, Total	2.7	mg/kg	1.8	1	6010B	07-Oct	08-Oct	MG
Copper, Total	13.	mg/kg	0.89	1	6010B	07-Oct	08-Oct	MG
Iron, Total	6600	mg/kg	4.5	1	6010B	07-Oct	08-Oct	LP
Lead, Total	38.	mg/kg	4.5	1	6010B	07-Oct	08-Oct	MG
Magnesium, Total	1200	mg/kg	8.9	1	6010B	07-Oct	08-Oct	MG
Manganese, Total	180	mg/kg	0.89	1	6010B	07-Oct	08-Oct	LP
Mercury, Total	ND	mg/kg	0.57	1	7471A	07-Oct	08-Oct	TT
Nickel, Total	7.4	mg/kg	2.2	1	6010B	07-Oct	08-Oct	MG
Potassium, Total	350	mg/kg	220	1	6010B	07-Oct	08-Oct	LP
Selenium, Total	ND	mg/kg	1.8	1	6010B	07-Oct	08-Oct	MG
Silver, Total	ND	mg/kg	0.446	1	6010B	07-Oct	08-Oct	MG
Sodium, Total	220	mg/kg	45.	1	6010B	07-Oct	08-Oct	LP
Thallium, Total	ND	mg/kg	1.8	1	6010B	07-Oct	08-Oct	MG
Tin, Total	ND	mg/kg	45.	1	6010B	07-Oct	13-Oct	LP
Vanadium, Total	15.	mg/kg	0.89	1	6010B	07-Oct	08-Oct	MG
Zinc, Total	31.	mg/kg	4.5	1	6010B	07-Oct	08-Oct	MG
Polychlorinated Biphenyls				1	8082	07-Oct	09-Oct	PB
Aroclor 1221	ND	ug/kg	568.					
Aroclor 1232	ND	ug/kg	568.					
Aroclor 1242/1016	ND	ug/kg	568.					
Aroclor 1248	ND	ug/kg	568.					
Aroclor 1254	ND	ug/kg	568.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-11
T-3-11 (12-18")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Polychlorinated Biphenyls continued				1	8082	07-Oct	09-Oct	B
Aroclor 1260	ND	ug/kg	568.					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	62.0	%						
Decachlorobiphenyl	28.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-12
T-3-7 (0-6")
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-40ml VOA,1-Amber Glass,3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	42.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	ND	mg/kg	1.2	1	7196A		12-Oct	ST
Total Metals				1	3051			
Aluminum, Total	8600	mg/kg	9.4	1	6010B		12-Oct	LP
Antimony, Total	ND	mg/kg	4.7	1	6010B		12-Oct	MG
Arsenic, Total	12.	mg/kg	0.94	1	6010B		12-Oct	MG
Barium, Total	63.	mg/kg	0.94	1	6010B		12-Oct	MG
Beryllium, Total	0.52	mg/kg	0.47	1	6010B		12-Oct	MG
Cadmium, Total	2.3	mg/kg	0.94	1	6010B		12-Oct	MG
Calcium, Total	2600	mg/kg	47.	1	6010B		12-Oct	LP
Chromium, Total	290	mg/kg	0.94	1	6010B		12-Oct	MG
Cobalt, Total	6.5	mg/kg	1.9	1	6010B		12-Oct	MG
Copper, Total	830	mg/kg	0.94	1	6010B		12-Oct	MG
Iron, Total	14000	mg/kg	4.7	1	6010B		12-Oct	LP
Lead, Total	440	mg/kg	4.7	1	6010B		12-Oct	MG
Magnesium, Total	3400	mg/kg	9.4	1	6010B		12-Oct	LP
Manganese, Total	180	mg/kg	0.94	1	6010B		12-Oct	LP
Mercury, Total	1.2	mg/kg	0.60	1	7471A	07-Oct	08-Oct	TT
Nickel, Total	22.	mg/kg	2.4	1	6010B		12-Oct	MG
Potassium, Total	1100	mg/kg	240	1	6010B		12-Oct	LP
Selenium, Total	ND	mg/kg	1.9	1	6010B		12-Oct	MG
Silver, Total	19.	mg/kg	0.94	1	6010B		12-Oct	MG
Sodium, Total	340	mg/kg	47.	1	6010B		12-Oct	LP
Thallium, Total	ND	mg/kg	1.9	1	6010B		12-Oct	MG
Tin, Total	11.	mg/kg	4.7	1	6010B		12-Oct	LP
Vanadium, Total	65.	mg/kg	0.94	1	6010B		12-Oct	MG
Zinc, Total	440	mg/kg	4.7	1	6010B		12-Oct	MG
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	14-Oct	MK
Acenaphthene	1800	ug/kg	240					
2-Chloronaphthalene	ND	ug/kg	240					
Fluoranthene	35000	ug/kg	240					
Naphthalene	340	ug/kg	240					
Benzo(a)anthracene	15000	ug/kg	240					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-12
T-3-7 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	TI
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	14-Oct	IK
Benzo(a,e)pyrene	16000	ug/kg	240					
Benzo(b)fluoranthene	17000	ug/kg	240					
Benzo(k)fluoranthene	15000	ug/kg	240					
Chrysene	19000	ug/kg	240					
Acenaphthylene	500	ug/kg	240					
Anthracene	4300	ug/kg	240					
Benzo(ghi)perylene	12000	ug/kg	240					
Fluorene	1600	ug/kg	240					
Phenanthrene	21000	ug/kg	240					
Dibenzo(a,h)anthracene	3800	ug/kg	240					
Indeno(1,2,3-cd)Pyrene	12000	ug/kg	240					
Pyrene	28000	ug/kg	240					
1-Methylnaphthalene	ND	ug/kg	240					
2-Methylnaphthalene	ND	ug/kg	240					
Perylene	3200	ug/kg	240					
Biphenyl	ND	ug/kg	240					
Surrogate Recovery								
Nitrobenzene-d5	56.0	%						
2-Fluorobiphenyl	61.0	%						
4-Terphenyl-d14	65.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	09-Oct	PB
Aroclor 1221	ND	ug/kg	596.					
Aroclor 1232	ND	ug/kg	596.					
Aroclor 1242/1016	ND	ug/kg	596.					
Aroclor 1248	ND	ug/kg	596.					
Aroclor 1254	ND	ug/kg	596.					
Aroclor 1260	11100	ug/kg	596.					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	102.	%						
Decachlorobiphenyl	64.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-12
T-3-7 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Volatile Petroleum Hydrocarbons				47	98-1		13-Oct	JC

Quality Control Information

Condition of sample received:	Satisfactory
Sample temperature upon receipt:	Received on Ice
Were samples received in methanol?	Covering the Soil
Methanol ratio:	1:1 +/- 25%

Were all QA/QC procedures REQUIRED by the method followed?	YES
Were all performance/acceptance standards for the required procedures achieved?	YES
Were significant modifications made to the method as specified in Sect 11.3?	NO

Please note to subtract the method blank from the stated result.
The normal acceptance range for the surrogate, 2,5-Dibromotoluene, is 70-130%.

C5-C8 Aliphatics	ND	mg/kg	3.37
C9-C12 Aliphatics	19.0	mg/kg	3.37
C9-C10 Aromatics	5.39	mg/kg	3.37
C5-C8 Aliphatics, Adjusted	ND	mg/kg	3.37
C9-C12 Aliphatics, Adjusted	12.9	mg/kg	3.37
Benzene	ND	mg/kg	0.337
Toluene	ND	mg/kg	0.337
Ethylbenzene	ND	mg/kg	0.337
p/m-Xylene	0.391	mg/kg	0.337
o-Xylene	0.354	mg/kg	0.337
Methyl tert butyl ether	ND	mg/kg	3.37
Naphthalene	ND	mg/kg	3.37

Surrogate Recovery

2,5-Dibromotoluene	99.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-12
T-3-7 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Extractable Petroleum Hydrocarbons				46	98-1	09-Oct	14-Oct	TA

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? NO
1. One or more of the EPH LCS recoveries were greater than 140%.
2. One or more of the extraction surrogate recoveries were greater than 140%.
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	42.4	mg/kg	23.8
C19-C36 Aliphatics	824.	mg/kg	23.8
C11-C22 Aromatics	787.	mg/kg	23.8

Surrogate Recovery

Chloro-Octadecane	93.0	%
o-Terphenyl	173.	%
2-Fluorobiphenyl	98.0	%
2-Bromonaphthalene	82.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-13
T-3-1 (0-6")
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber Glass,3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	17.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	ND	mg/kg	15.	1	7196A		13-Oct	ST
Total Metals				1	3051			
Aluminum, Total	16000	mg/kg	23.	1	6010B		12-Oct	LP
Antimony, Total	ND	mg/kg	12.	1	6010B		12-Oct	MG
Arsenic, Total	160	mg/kg	2.3	1	6010B		12-Oct	MG
Barium, Total	89.	mg/kg	2.3	1	6010B		12-Oct	MG
Beryllium, Total	1.3	mg/kg	1.2	1	6010B		12-Oct	MG
Cadmium, Total	9.4	mg/kg	2.3	1	6010B		12-Oct	MG
Calcium, Total	5600	mg/kg	120	1	6010B		12-Oct	LP
Chromium, Total	900	mg/kg	2.3	1	6010B		12-Oct	MG
Cobalt, Total	8.7	mg/kg	4.6	1	6010B		12-Oct	MG
Copper, Total	1200	mg/kg	2.3	1	6010B		12-Oct	MG
Iron, Total	18000	mg/kg	12.	1	6010B		12-Oct	LP
Lead, Total	260	mg/kg	12.	1	6010B		12-Oct	MG
Magnesium, Total	4700	mg/kg	23.	1	6010B		12-Oct	LP
Manganese, Total	740	mg/kg	2.3	1	6010B		12-Oct	LP
Mercury, Total	ND	mg/kg	1.5	1	7471A	07-Oct	08-Oct	TT
Nickel, Total	34.	mg/kg	5.8	1	6010B		12-Oct	MG
Potassium, Total	1100	mg/kg	580	1	6010B		12-Oct	LP
Selenium, Total	ND	mg/kg	4.6	1	6010B		12-Oct	MG
Silver, Total	81.	mg/kg	2.3	1	6010B		12-Oct	MG
Sodium, Total	380	mg/kg	120	1	6010B		12-Oct	LP
Thallium, Total	ND	mg/kg	4.6	1	6010B		12-Oct	MG
Tin, Total	ND	mg/kg	12.	1	6010B		12-Oct	LP
Vanadium, Total	97.	mg/kg	2.3	1	6010B		12-Oct	MG
Zinc, Total	370	mg/kg	12.	1	6010B		12-Oct	MG
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	14-Oct	MK
Acenaphthene	ND	ug/kg	120					
2-Chloronaphthalene	ND	ug/kg	120					
Fluoranthene	660	ug/kg	120					
Naphthalene	ND	ug/kg	120					
Benzo(a)anthracene	240	ug/kg	120					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-13
T-3-1 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	TD
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	14-Oct	TK
Benzo(a,e)pyrene	350	ug/kg	120					
Benzo(b)fluoranthene	490	ug/kg	120					
Benzo(k)fluoranthene	380	ug/kg	120					
Chrysene	470	ug/kg	120					
Acenaphthylene	ND	ug/kg	120					
Anthracene	ND	ug/kg	120					
Benzo(ghi)perylene	340	ug/kg	120					
Fluorene	ND	ug/kg	120					
Phenanthrene	340	ug/kg	120					
Dibenzo(a,h)anthracene	ND	ug/kg	120					
Indeno(1,2,3-cd)Pyrene	350	ug/kg	120					
Pyrene	590	ug/kg	120					
1-Methylnaphthalene	ND	ug/kg	120					
2-Methylnaphthalene	ND	ug/kg	120					
Perylene	ND	ug/kg	120					
Biphenyl	ND	ug/kg	120					
Surrogate Recovery								
Nitrobenzene-d5	75.0	%						
2-Fluorobiphenyl	59.0	%						
4-Terphenyl-d14	61.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	09-Oct	PB
Aroclor 1221	ND	ug/kg	1470					
Aroclor 1232	ND	ug/kg	1470					
Aroclor 1242/1016	ND	ug/kg	1470					
Aroclor 1248	ND	ug/kg	1740					
Aroclor 1254	ND	ug/kg	1470					
Aroclor 1260	ND	ug/kg	1740					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	101.	%						
Decachlorobiphenyl	53.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L9908056-13
T-3-1 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Extractable Petroleum Hydrocarbons				46	98-1	08-Oct	13-Oct	HL

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? NO
1. One or more of the EPH LCS recoveries were greater than 140%.
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	ND	mg/kg	58.8
C19-C36 Aliphatics	ND	mg/kg	58.8
C11-C22 Aromatics	ND	mg/kg	58.8

Surrogate Recovery

Chloro-Octadecane	75.0	%
o-Terphenyl	83.0	%
2-Fluorobiphenyl	102.	%
2-Bromonaphthalene	94.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-14
T-3-1 (12-18")
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber Glass,3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	II
Solids, Total	28.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	ND	mg/kg	8.9	1	7196A		12-Oct	ST
Total Metals				1	3051			
Aluminum, Total	7900	mg/kg	14.	1	6010B		12-Oct	LP
Antimony, Total	ND	mg/kg	7.0	1	6010B		12-Oct	MG
Arsenic, Total	76.	mg/kg	1.4	1	6010B		12-Oct	MG
Barium, Total	36.	mg/kg	1.4	1	6010B		12-Oct	MG
Beryllium, Total	1.3	mg/kg	0.70	1	6010B		12-Oct	MG
Cadmium, Total	2.4	mg/kg	1.4	1	6010B		12-Oct	MG
Calcium, Total	4400	mg/kg	70.	1	6010B		12-Oct	LP
Chromium, Total	98.	mg/kg	1.4	1	6010B		12-Oct	MG
Cobalt, Total	ND	mg/kg	2.8	1	6010B		12-Oct	MG
Copper, Total	130	mg/kg	1.4	1	6010B		12-Oct	MG
Iron, Total	5300	mg/kg	7.0	1	6010B		12-Oct	LP
Lead, Total	44.	mg/kg	7.0	1	6010B		12-Oct	MG
Magnesium, Total	680	mg/kg	14.	1	6010B		12-Oct	LP
Manganese, Total	600	mg/kg	1.4	1	6010B		12-Oct	LP
Mercury, Total	ND	mg/kg	0.89	1	7471A	07-Oct	08-Oct	JT
Nickel, Total	8.3	mg/kg	3.5	1	6010B		12-Oct	MG
Potassium, Total	ND	mg/kg	350	1	6010B		12-Oct	LP
Selenium, Total	ND	mg/kg	2.8	1	6010B		12-Oct	MG
Silver, Total	7.7	mg/kg	1.4	1	6010B		12-Oct	MG
Sodium, Total	270	mg/kg	70.	1	6010B		12-Oct	LP
Thallium, Total	ND	mg/kg	2.8	1	6010B		12-Oct	MG
Tin, Total	ND	mg/kg	7.0	1	6010B		12-Oct	LP
Vanadium, Total	18.	mg/kg	1.4	1	6010B		12-Oct	MG
Zinc, Total	78.	mg/kg	7.0	1	6010B		12-Oct	MG
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	14-Oct	MK
Acenaphthene	ND	ug/kg	71.					
2-Chloronaphthalene	ND	ug/kg	71.					
Fluoranthene	240	ug/kg	71.					
Naphthalene	ND	ug/kg	71.					
Benzo(a)anthracene	94.	ug/kg	71.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L9908056-14
T-3-1 (12-18")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	14-Oct	MK
Benzo(a,e)pyrene	150	ug/kg	71.					
Benzo(b)fluoranthene	240	ug/kg	71.					
Benzo(k)fluoranthene	190	ug/kg	71.					
Chrysene	210	ug/kg	71.					
Acenaphthylene	ND	ug/kg	71.					
Anthracene	ND	ug/kg	71.					
Benzo(ghi)perylene	170	ug/kg	71.					
Fluorene	ND	ug/kg	71.					
Phenanthrene	98.	ug/kg	71.					
Dibenzo(a,h)anthracene	ND	ug/kg	71.					
Indeno(1,2,3-cd)Pyrene	170	ug/kg	71.					
Pyrene	210	ug/kg	71.					
1-Methylnaphthalene	ND	ug/kg	71.					
2-Methylnaphthalene	ND	ug/kg	71.					
Perylene	ND	ug/kg	71.					
Biphenyl	ND	ug/kg	71.					
Surrogate Recovery								
Nitrobenzene-d5	59.0	%						
2-Fluorobiphenyl	55.0	%						
4-Terphenyl-d14	56.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	09-Oct	PB
Aroclor 1221	ND	ug/kg	892.					
Aroclor 1232	ND	ug/kg	892.					
Aroclor 1242/1016	ND	ug/kg	892.					
Aroclor 1248	ND	ug/kg	892.					
Aroclor 1254	ND	ug/kg	892.					
Aroclor 1260	ND	ug/kg	892.					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	90.0	%						
Decachlorobiphenyl	46.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-14
T-3-1 (12-18")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	II
Extractable Petroleum Hydrocarbons				46	98-1	08-Oct	13-Oct	II

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? NO
1. One or more of the EPH LCS recoveries were greater than 140%.
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	ND	mg/kg	35.7
C19-C36 Aliphatics	ND	mg/kg	35.7
C11-C22 Aromatics	ND	mg/kg	35.7

Surrogate Recovery

Chloro-Octadecane	65.0	%
o-Terphenyl	79.0	%
2-Fluorobiphenyl	106.	%
2-Bromonaphthalene	87.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-15
T-3-8 (0-6")
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber Glass,3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	21.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	100	mg/kg	2.4	1	7196A		12-Oct	ST
Total Metals				1	3051			
Aluminum, Total	11000	mg/kg	19.	1	6010B		12-Oct	LP
Antimony, Total	100	mg/kg	9.4	1	6010B		12-Oct	MG
Arsenic, Total	25.	mg/kg	1.9	1	6010B		12-Oct	MG
Barium, Total	490	mg/kg	1.9	1	6010B		12-Oct	MG
Beryllium, Total	1.1	mg/kg	0.94	1	6010B		12-Oct	MG
Cadmium, Total	32.	mg/kg	1.9	1	6010B		12-Oct	MG
Calcium, Total	3700	mg/kg	94.	1	6010B		12-Oct	LP
Chromium, Total	37000	mg/kg	1.9	1	6010B		12-Oct	MG
Cobalt, Total	ND	mg/kg	3.8	1	6010B		12-Oct	MG
Copper, Total	15000	mg/kg	1.9	1	6010B		12-Oct	MG
Iron, Total	40000	mg/kg	9.4	1	6010B		12-Oct	LP
Lead, Total	2300	mg/kg	9.4	1	6010B		12-Oct	MG
Magnesium, Total	3800	mg/kg	19.	1	6010B		12-Oct	LP
Manganese, Total	160	mg/kg	1.9	1	6010B		12-Oct	LP
Mercury, Total	8.0	mg/kg	1.2	1	7471A	07-Oct	08-Oct	TT
Nickel, Total	32.	mg/kg	4.7	1	6010B		12-Oct	MG
Potassium, Total	ND	mg/kg	470	1	6010B		12-Oct	LP
Selenium, Total	ND	mg/kg	3.8	1	6010B		12-Oct	MG
Silver, Total	560	mg/kg	1.9	1	6010B		12-Oct	MG
Sodium, Total	210	mg/kg	94.	1	6010B		12-Oct	LP
Thallium, Total	11.	mg/kg	3.8	1	6010B		12-Oct	MG
Tin, Total	360	mg/kg	9.4	1	6010B		12-Oct	LP
Vanadium, Total	330	mg/kg	1.9	1	6010B		12-Oct	MG
Zinc, Total	390	mg/kg	9.4	1	6010B		12-Oct	MG
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	14-Oct	MK
Acenaphthene	ND	ug/kg	480					
2-Chloronaphthalene	ND	ug/kg	480					
Fluoranthene	3900	ug/kg	480					
Naphthalene	ND	ug/kg	480					
Benzo(a)anthracene	1800	ug/kg	480					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-15
T-3-8 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	14-Oct	MK
Benzo(a,e)pyrene	2900	ug/kg	480					
Benzo(b)fluoranthene	3500	ug/kg	480					
Benzo(k)fluoranthene	3100	ug/kg	480					
Chrysene	3300	ug/kg	480					
Acenaphthylene	ND	ug/kg	480					
Anthracene	ND	ug/kg	480					
Benzo(ghi)perylene	3100	ug/kg	480					
Fluorene	ND	ug/kg	480					
Phenanthrene	1600	ug/kg	480					
Dibenzo(a,h)anthracene	1000	ug/kg	480					
Indeno(1,2,3-cd)Pyrene	3100	ug/kg	480					
Pyrene	3200	ug/kg	480					
1-Methylnaphthalene	ND	ug/kg	480					
2-Methylnaphthalene	ND	ug/kg	480					
Perylene	570	ug/kg	480					
Biphenyl	ND	ug/kg	480					
Surrogate Recovery								
Nitrobenzene-d5	61.0	%						
2-Fluorobiphenyl	57.0	%						
4-Terphenyl-d14	60.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	12-Oct	PB
Aroclor 1221	ND	ug/kg	2380					
Aroclor 1232	ND	ug/kg	2380					
Aroclor 1242/1016	ND	ug/kg	2380					
Aroclor 1248	ND	ug/kg	2380					
Aroclor 1254	ND	ug/kg	2380					
Aroclor 1260	35100	ug/kg	2380					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	102.	%						
Decachlorobiphenyl	39.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-15
T-3-8 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Extractable Petroleum Hydrocarbons				46	98-1	08-Oct	13-Oct	HL

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? NO
1. One or more of the EPH LCS recoveries were greater than 140%.
2. One or more of the extraction surrogate recoveries were greater than 140%.
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	903.	mg/kg	47.6
C19-C36 Aliphatics	2590	mg/kg	47.6
C11-C22 Aromatics	924.	mg/kg	47.6

Surrogate Recovery

Chloro-Octadecane	69.0	%
o-Terphenyl	161.	%
2-Fluorobiphenyl	71.0	%
2-Bromonaphthalene	70.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-16
T-3-8 (12-16")
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber Glass,3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	54.	%	0.10	30	2540G		08-Oct	K
ım, Hexavalent	ND	mg/kg	2.3	1	7196A		13-Oct	T
Total Metals				1	3051			
Aluminum, Total	4900	mg/kg	7.4	1	6010B		12-Oct	P
Antimony, Total	ND	mg/kg	3.7	1	6010B		12-Oct	G
Arsenic, Total	3.2	mg/kg	0.74	1	6010B		12-Oct	MG
Barium, Total	33.	mg/kg	0.74	1	6010B		12-Oct	MG
Beryllium, Total	ND	mg/kg	0.37	1	6010B		12-Oct	G
Cadmium, Total	0.84	mg/kg	0.74	1	6010B		12-Oct	MG
Calcium, Total	840	mg/kg	37.	1	6010B		12-Oct	LP
Chromium, Total	650	mg/kg	0.74	1	6010B		12-Oct	G
Cobalt, Total	2.9	mg/kg	1.5	1	6010B		12-Oct	G
Copper, Total	1200	mg/kg	0.74	1	6010B		12-Oct	MG
Iron, Total	8900	mg/kg	3.7	1	6010B		12-Oct	LP
Lead, Total	99.	mg/kg	3.7	1	6010B		12-Oct	G
Magnesium, Total	1900	mg/kg	7.4	1	6010B		12-Oct	P
Manganese, Total	72.	mg/kg	0.74	1	6010B		12-Oct	LP
Mercury, Total	ND	mg/kg	0.46	1	7471A	08-Oct	12-Oct	TT
Nickel, Total	10.	mg/kg	1.8	1	6010B		12-Oct	G
Potassium, Total	470	mg/kg	180	1	6010B		12-Oct	P
Selenium, Total	ND	mg/kg	1.5	1	6010B		12-Oct	MG
Silver, Total	24.	mg/kg	0.74	1	6010B		12-Oct	G
Sodium, Total	54.	mg/kg	37.	1	6010B		12-Oct	P
Thallium, Total	ND	mg/kg	1.5	1	6010B		12-Oct	MG
Tin, Total	6.3	mg/kg	3.7	1	6010B		12-Oct	LP
Vanadium, Total	40.	mg/kg	0.74	1	6010B		12-Oct	G
Zinc, Total	77.	mg/kg	3.7	1	6010B		12-Oct	G
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	14-Oct	MK
Acenaphthene	ND	ug/kg	150					
2-Chloronaphthalene	ND	ug/kg	150					
Fluoranthene	770	ug/kg	150					
Naphthalene	ND	ug/kg	150					
Benzo(a)anthracene	390	ug/kg	150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-16
T-3-8 (12-16")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP ANALYSIS	ID
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct 14-Oct	MK
Benzo(a,e)pyrene	430	ug/kg	150				
Benzo(b)fluoranthene	470	ug/kg	150				
Benzo(k)fluoranthene	480	ug/kg	150				
Chrysene	590	ug/kg	150				
Acenaphthylene	ND	ug/kg	150				
Anthracene	ND	ug/kg	150				
Benzo(ghi)perylene	360	ug/kg	150				
Fluorene	ND	ug/kg	150				
Phenanthrene	380	ug/kg	150				
Dibenzo(a,h)anthracene	ND	ug/kg	150				
Indeno(1,2,3-cd)Pyrene	360	ug/kg	150				
Pyrene	650	ug/kg	150				
1-Methylnaphthalene	ND	ug/kg	150				
2-Methylnaphthalene	ND	ug/kg	150				
Perylene	ND	ug/kg	150				
Biphenyl	ND	ug/kg	150				
Surrogate Recovery							
Nitrobenzene-d5	43.0	%					
2-Fluorobiphenyl	49.0	%					
4-Terphenyl-d14	56.0	%					
Polychlorinated Biphenyls				1	8082	07-Oct 09-Oct	PB
Aroclor 1221	ND	ug/kg	462.				
Aroclor 1232	ND	ug/kg	462.				
Aroclor 1242/1016	ND	ug/kg	462.				
Aroclor 1248	ND	ug/kg	462.				
Aroclor 1254	ND	ug/kg	462.				
Aroclor 1260	1640	ug/kg	462.				
Surrogate Recovery							
2,4,5,6-Tetrachloro-m-xylene	107.	%					
Decachlorobiphenyl	54.0	%					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-16
T-3-8 (12-16")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	TD
Extractable Petroleum Hydrocarbons				46	98-1	08-Oct	13-Oct	L

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? NO
1. One or more of the EPH LCS recoveries were greater than 140%.
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	137.	mg/kg	18.5
C19-C36 Aliphatics	657.	mg/kg	18.5
C11-C22 Aromatics	276.	mg/kg	18.5

Surrogate Recovery

Chloro-Octadecane	61.0	%
o-Terphenyl	119.	%
2-Fluorobiphenyl	109.	%
2-Bromonaphthalene	91.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-17
T-3-8 (18+")
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 3-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	62.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	ND	mg/kg	0.81	1	7196A		13-Oct	ST
Total Metals				1	3051			
Aluminum, Total	5700	mg/kg	6.4	1	6010B		12-Oct	LP
Antimony, Total	ND	mg/kg	3.2	1	6010B		12-Oct	MG
Arsenic, Total	3.8	mg/kg	0.64	1	6010B		12-Oct	MG
Barium, Total	24.	mg/kg	0.64	1	6010B		12-Oct	MG
Beryllium, Total	0.41	mg/kg	0.32	1	6010B		12-Oct	MG
Cadmium, Total	1.7	mg/kg	0.64	1	6010B		12-Oct	MG
Calcium, Total	710	mg/kg	32.	1	6010B		12-Oct	LP
Chromium, Total	230	mg/kg	0.64	1	6010B		12-Oct	MG
Cobalt, Total	4.9	mg/kg	1.3	1	6010B		12-Oct	MG
Copper, Total	490	mg/kg	0.64	1	6010B		12-Oct	MG
Iron, Total	7300	mg/kg	3.2	1	6010B		12-Oct	LP
Lead, Total	29.	mg/kg	3.2	1	6010B		12-Oct	MG
Magnesium, Total	2000	mg/kg	6.4	1	6010B		12-Oct	LP
Manganese, Total	75.	mg/kg	0.64	1	6010B		12-Oct	LP
Mercury, Total	ND	mg/kg	0.40	1	7471A	08-Oct	12-Oct	TT
Nickel, Total	13.	mg/kg	1.6	1	6010B		12-Oct	MG
Potassium, Total	580	mg/kg	160	1	6010B		12-Oct	LP
Selenium, Total	ND	mg/kg	1.3	1	6010B		12-Oct	MG
Silver, Total	5.8	mg/kg	0.64	1	6010B		12-Oct	MG
Sodium, Total	65.	mg/kg	32.	1	6010B		12-Oct	LP
Thallium, Total	ND	mg/kg	1.3	1	6010B		12-Oct	MG
Tin, Total	ND	mg/kg	32.	1	6010B		13-Oct	LP
Vanadium, Total	15.	mg/kg	0.64	1	6010B		12-Oct	MG
Zinc, Total	190	mg/kg	3.2	1	6010B		12-Oct	MG
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	14-Oct	MK
Acenaphthene	ND	ug/kg	130					
2-Chloronaphthalene	ND	ug/kg	130					
Fluoranthene	540	ug/kg	130					
Naphthalene	ND	ug/kg	130					
Benzo(a)anthracene	300	ug/kg	130					

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L9908056-17
T-3-8 (18+")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	14-Oct	JK
Benzo(a,e)pyrene	410	ug/kg	130					
Benzo(b)fluoranthene	530	ug/kg	130					
Benzo(k)fluoranthene	490	ug/kg	130					
Chrysene	450	ug/kg	130					
Acenaphthylene	ND	ug/kg	130					
Anthracene	ND	ug/kg	130					
Benzo(ghi)perylene	330	ug/kg	130					
Fluorene	ND	ug/kg	130					
Phenanthrene	240	ug/kg	130					
Dibenzo(a,h)anthracene	ND	ug/kg	130					
Indeno(1,2,3-cd)Pyrene	340	ug/kg	130					
Pyrene	360	ug/kg	130					
1-Methylnaphthalene	ND	ug/kg	130					
2-Methylnaphthalene	ND	ug/kg	130					
Perylene	ND	ug/kg	130					
Biphenyl	ND	ug/kg	130					
Surrogate Recovery								
Nitrobenzene-d5	63.0	%						
2-Fluorobiphenyl	64.0	%						
4-Terphenyl-d14	53.0	%						
Polychlorinated Biphenyls				1	8082	07-Oct	09-Oct	PB
Aroclor 1221	ND	ug/kg	404.					
Aroclor 1232	ND	ug/kg	404.					
Aroclor 1242/1016	ND	ug/kg	404.					
Aroclor 1248	ND	ug/kg	404.					
Aroclor 1254	ND	ug/kg	404.					
Aroclor 1260	3060	ug/kg	404.					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	101.	%						
Decachlorobiphenyl	50.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-18
T-3-13 (0-6")
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	82.	%	0.10	30	2540G		08-Oct	KK
Chromium, Hexavalent	ND	mg/kg	1.5	1	7196A		13-Oct	ST
Total Metals				1	3051			
Aluminum, Total	8900	mg/kg	4.9	1	6010B		12-Oct	LP
Antimony, Total	ND	mg/kg	2.4	1	6010B		12-Oct	MG
Arsenic, Total	4.4	mg/kg	0.49	1	6010B		12-Oct	MG
Barium, Total	39.	mg/kg	0.49	1	6010B		12-Oct	MG
Beryllium, Total	0.57	mg/kg	0.24	1	6010B		12-Oct	MG
Cadmium, Total	0.420	mg/kg	0.389	1	6010B		12-Oct	MG
Calcium, Total	1700	mg/kg	24.	1	6010B		12-Oct	LP
Chromium, Total	13.	mg/kg	0.49	1	6010B		12-Oct	MG
Cobalt, Total	6.6	mg/kg	0.97	1	6010B		12-Oct	MG
Copper, Total	29.	mg/kg	0.49	1	6010B		12-Oct	MG
Iron, Total	12000	mg/kg	2.4	1	6010B		12-Oct	LP
Lead, Total	17.	mg/kg	2.4	1	6010B		12-Oct	MG
Magnesium, Total	3800	mg/kg	4.9	1	6010B		12-Oct	LP
Manganese, Total	330	mg/kg	0.49	1	6010B		12-Oct	LP
Mercury, Total	ND	mg/kg	0.30	1	7471A	08-Oct	12-Oct	TT
Nickel, Total	11.	mg/kg	1.2	1	6010B		12-Oct	MG
Potassium, Total	980	mg/kg	120	1	6010B		12-Oct	LP
Selenium, Total	ND	mg/kg	0.97	1	6010B		12-Oct	MG
Silver, Total	ND	mg/kg	0.243	1	6010B		12-Oct	MG
Sodium, Total	47.	mg/kg	24.	1	6010B		12-Oct	LP
Thallium, Total	ND	mg/kg	0.97	1	6010B		12-Oct	MG
Tin, Total	ND	mg/kg	24.	1	6010B		13-Oct	LP
Vanadium, Total	21.	mg/kg	0.49	1	6010B		12-Oct	MG
Zinc, Total	42.	mg/kg	2.4	1	6010B		12-Oct	MG
Polychlorinated Biphenyls				1	8082	07-Oct	13-Oct	PB
Aroclor 1221	ND	ug/kg	304.					
Aroclor 1232	ND	ug/kg	304.					
Aroclor 1242/1016	ND	ug/kg	304.					
Aroclor 1248	ND	ug/kg	304.					
Aroclor 1254	ND	ug/kg	304.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-18
T-3-13 (0-6")

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	TD
Polychlorinated Biphenyls continued				1	8082	07-Oct	13-Oct	B
Aroclor 1260	ND	ug/kg	304.					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	100.	%						
Decachlorobiphenyl	50.0	%						

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA-086 NH:200395-B/C CT:PH-0574 ME:MA086 RI:65

Laboratory Sample Number: L9908056-19
T-3-7 (18+)
Sample Matrix: SOIL

Date Collected: 06-OCT-1999
Date Received : 06-OCT-1999
Date Reported : 14-OCT-99

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Amber Glass

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Solids, Total	30.	%	0.10	30	2540G		12-Oct	KK

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L9908056-19
T-3-7 (18+)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Extractable Petroleum Hydrocarbons				46	98-1	09-Oct	14-Oct	HL

Quality Control Information

Condition of sample received: Satisfactory
Sample temperature upon receipt: Received on Ice
Sample extraction method: Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed? YES
Were all performance/acceptance standards for the required procedures achieved? YES
Were significant modifications made to the method as specified in Sect 11.3? NO
Please note to subtract the method blank from the stated result.
The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	2770	mg/kg	33.3
C19-C36 Aliphatics	6130	mg/kg	33.3
C11-C22 Aromatics	4230	mg/kg	33.3
C11-C22 Aromatics, Adjusted	4100	mg/kg	33.3
Naphthalene	ND	mg/kg	1.67
2-Methylnaphthalene	ND	mg/kg	1.67
Acenaphthalene	ND	mg/kg	1.67
Acenaphthene	ND	mg/kg	1.67
Fluorene	ND	mg/kg	1.67
Phenanthrene	13.9	mg/kg	1.67
Anthracene	5.69	mg/kg	1.67
Fluoranthene	22.4	mg/kg	1.67
Pyrene	17.8	mg/kg	1.67
Benzo(a)anthracene	13.2	mg/kg	1.67
Chrysene	8.24	mg/kg	1.67
Benzo(b)fluoranthene	14.4	mg/kg	1.67
Benzo(k)fluoranthene	9.99	mg/kg	1.67
Benzo(a)pyrene	9.05	mg/kg	1.67
Indeno(1,2,3-cd)Pyrene	ND	mg/kg	1.67
Dibenzo(a,h)anthracene	7.84	mg/kg	1.67
Benzo(ghi)perylene	6.92	mg/kg	1.67

Surrogate Recovery

Chloro-Octadecane	78.0	%
o-Terphenyl	134.	%
2-Fluorobiphenyl	89.0	%
2-Bromonaphthalene	74.0	%

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L9908056

Parameter	Value 1	Value 2	RPD	Units
Solids, Total for sample(s) 01-18				
Solids, Total	82.	86.	5	%
Solids, Total for sample(s) 19				
Solids, Total	94.	94.	0	%
Chromium, Hexavalent for sample(s) 04,07-12,14-15				
Chromium, Hexavalent	ND	ND	NC	mg/kg
Chromium, Hexavalent for sample(s) 13,16-18				
Chromium, Hexavalent	ND	ND	NC	mg/kg
Total Metals for sample(s) 01-11				
Aluminum, Total	10000	12000	18	mg/kg
Antimony, Total	ND	ND	NC	mg/kg
Arsenic, Total	12.	12.	0	mg/kg
Barium, Total	150	160	6	mg/kg
Beryllium, Total	0.84	0.89	6	mg/kg
Cadmium, Total	5.4	5.3	2	mg/kg
Calcium, Total	2800	3100	10	mg/kg
Chromium, Total	2400	2500	4	mg/kg
Cobalt, Total	4.0	4.0	0	mg/kg
Copper, Total	2900	3000	3	mg/kg
Iron, Total	7800	8600	10	mg/kg
Lead, Total	430	450	5	mg/kg
Magnesium, Total	2400	2500	4	mg/kg
Manganese, Total	140	150	7	mg/kg
Nickel, Total	20.	20.	0	mg/kg
Potassium, Total	690	790	14	mg/kg
Selenium, Total	ND	ND	NC	mg/kg
Silver, Total	250	300	18	mg/kg
Sodium, Total	490	410	18	mg/kg
Thallium, Total	ND	ND	NC	mg/kg
Tin, Total	ND	ND	NC	mg/kg
Vanadium, Total	71.	75.	5	mg/kg
Zinc, Total	180	180	0	mg/kg
Total Metals for sample(s) 12-18				
Aluminum, Total	8900	8600	3	mg/kg
Antimony, Total	ND	ND	NC	mg/kg
Arsenic, Total	4.4	4.4	0	mg/kg
Barium, Total	39.	40.	3	mg/kg
Beryllium, Total	0.57	0.57	0	mg/kg
Cadmium, Total	0.420	0.415	1	mg/kg
Calcium, Total	1700	1500	13	mg/kg
Chromium, Total	13.	13.	0	mg/kg
Cobalt, Total	6.6	6.4	3	mg/kg
Copper, Total	29.	30.	3	mg/kg
Iron, Total	12000	11000	9	mg/kg

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L9908056

Continued

Parameter	Value 1	Value 2	RPD	Units
Total Metals for sample(s) 12-18				
Lead, Total	17.	17.	0	mg/kg
Magnesium, Total	3800	3400	11	mg/kg
Manganese, Total	330	340	3	mg/kg
Nickel, Total	11.	11.	0	mg/kg
Potassium, Total	980	1000	2	mg/kg
Selenium, Total	ND	ND	NC	mg/kg
Silver, Total	ND	ND	NC	mg/kg
Sodium, Total	47.	44.	7	mg/kg
Thallium, Total	ND	ND	NC	mg/kg
Tin, Total	ND	ND	NC	mg/kg
Vanadium, Total	21.	20.	5	mg/kg
Zinc, Total	42.	42.	0	mg/kg
Total Metals for sample(s) 01-15				
Mercury, Total	3.0	3.5	15	mg/kg
Total Metals for sample(s) 16-18				
Mercury, Total	ND	ND	NC	mg/kg
Polychlorinated Biphenyls for sample(s) 01-17				
Aroclor 1221	ND	ND	NC	ug/kg
Aroclor 1232	ND	ND	NC	ug/kg
Aroclor 1242/1016	ND	ND	NC	ug/kg
Aroclor 1248	ND	ND	NC	ug/kg
Aroclor 1254	ND	ND	NC	ug/kg
Aroclor 1260	11700	12500	7	ug/kg
Surrogate Recovery				
2,4,5,6-Tetrachloro-m-xylene	114.	104.	9	%
Decachlorobiphenyl	51.0	47.0	8	%
Polychlorinated Biphenyls for sample(s) 18				
Aroclor 1221	ND	ND	NC	ug/kg
Aroclor 1232	ND	ND	NC	ug/kg
Aroclor 1242/1016	ND	ND	NC	ug/kg
Aroclor 1248	ND	ND	NC	ug/kg
Aroclor 1254	ND	ND	NC	ug/kg
Aroclor 1260	ND	ND	NC	ug/kg
Surrogate Recovery				
2,4,5,6-Tetrachloro-m-xylene	101.	93.0	8	%
Decachlorobiphenyl	56.0	52.0	7	%
Volatile Petroleum Hydrocarbons for sample(s) 07,12				
C5-C8 Aliphatics	ND	ND	NC	mg/kg
C9-C12 Aliphatics	ND	ND	NC	mg/kg
C9-C10 Aromatics	ND	ND	NC	mg/kg
C5-C8 Aliphatics, Adjusted	ND	ND	NC	mg/kg

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L9908056

Continued

Parameter	Value 1	Value 2	RPD	Units
Volatile Petroleum Hydrocarbons for sample(s) 07,12				
C9-C12 Aliphatics, Adjusted	ND	ND	NC	mg/kg
Benzene	ND	ND	NC	mg/kg
Toluene	ND	ND	NC	mg/kg
Ethylbenzene	ND	ND	NC	mg/kg
p/m-Xylene	ND	ND	NC	mg/kg
o-Xylene	ND	ND	NC	mg/kg
Methyl tert butyl ether	ND	ND	NC	mg/kg
Naphthalene	ND	ND	NC	mg/kg
Surrogate Recovery				
2,5-Dibromotoluene	123.	107.	14	%
Extractable Petroleum Hydrocarbons for sample(s) 13-16				
C9-C18 Aliphatics	ND	ND	NC	mg/kg
C19-C36 Aliphatics	ND	ND	NC	mg/kg
C11-C22 Aromatics	ND	ND	NC	mg/kg
Surrogate Recovery				
Chloro-Octadecane	88.0	77.0	13	%
o-Terphenyl	90.0	89.0	1	%
2-Fluorobiphenyl	101.	102.	0	%
2-Bromonaphthalene	63.0	74.0	16	%
Extractable Petroleum Hydrocarbons for sample(s) 19				
C9-C18 Aliphatics	ND	ND	NC	mg/kg
C19-C36 Aliphatics	ND	ND	NC	mg/kg
C11-C22 Aromatics	ND	ND	NC	mg/kg
Surrogate Recovery				
Chloro-Octadecane	78.0	60.0	26	%
o-Terphenyl	89.0	81.0	9	%
2-Fluorobiphenyl	102.	92.0	10	%
2-Bromonaphthalene	84.0	68.0	21	%
Extractable Petroleum Hydrocarbons for sample(s) 01-03,05-08,12				
C9-C18 Aliphatics	18200	18700	3	mg/kg
C19-C36 Aliphatics	13700	14400	5	mg/kg
C11-C22 Aromatics	9150	10200	11	mg/kg
Surrogate Recovery				
Chloro-Octadecane	402.	489.	20	%
o-Terphenyl	3670	4410	18	%
2-Fluorobiphenyl	491.	551.	12	%
2-Bromonaphthalene	663.	1150	53	%

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L9908056

Parameter	% Recovery
Chromium, Hexavalent LCS for sample(s) 01-03,05-06	
Chromium, Hexavalent	91
Chromium, Hexavalent LCS for sample(s) 04,07-12,14-15	
Chromium, Hexavalent	94
Chromium, Hexavalent LCS for sample(s) 13,16-18	
Chromium, Hexavalent	96
Total Metals LCS for sample(s) 01-11	
Aluminum, Total	140
Antimony, Total	81
Arsenic, Total	93
Barium, Total	97
Beryllium, Total	97
Cadmium, Total	91
Calcium, Total	95
Chromium, Total	94
Cobalt, Total	97
Copper, Total	100
Lead, Total	95
Magnesium, Total	100
Manganese, Total	110
Nickel, Total	95
Potassium, Total	96
Selenium, Total	91
Silver, Total	93
Sodium, Total	97
Thallium, Total	100
Vanadium, Total	97
Zinc, Total	99
Total Metals LCS for sample(s) 12-18	
Aluminum, Total	110
Antimony, Total	91
Arsenic, Total	90
Barium, Total	100
Beryllium, Total	100
Cadmium, Total	91
Calcium, Total	94
Chromium, Total	95
Cobalt, Total	97
Copper, Total	100
Iron, Total	141
Lead, Total	94
Magnesium, Total	94
Manganese, Total	110
Nickel, Total	95
Potassium, Total	84

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L9908056

Continued

Parameter	% Recovery
Total Metals LCS for sample(s) 12-18	
Selenium, Total	89
Silver, Total	60
Sodium, Total	96
Thallium, Total	110
Vanadium, Total	98
Zinc, Total	98
Total Metals LCS for sample(s) 01-15	
Mercury, Total	107
Total Metals LCS for sample(s) 16-18	
Mercury, Total	97
PAH by GC/MS SIM 8270M LCS for sample(s) 01-03,05-09,12-17	
Acenaphthene	87
Pyrene	85
Surrogate Recovery	
Nitrobenzene-d5	65
2-Fluorobiphenyl	72
4-Terphenyl-d14	77
Polychlorinated Biphenyls LCS for sample(s) 01-17	
Aroclor 1242/1016	102
Aroclor 1260	94
Surrogate Recovery	
2,4,5,6-Tetrachloro-m-xylene	123
Decachlorobiphenyl	62
Polychlorinated Biphenyls LCS for sample(s) 18	
Aroclor 1242/1016	69
Aroclor 1260	69
Surrogate Recovery	
2,4,5,6-Tetrachloro-m-xylene	77
Decachlorobiphenyl	43
Volatile Petroleum Hydrocarbons LCS for sample(s) 07,12	
Benzene	96
Toluene	107
Ethylbenzene	99
p/m-Xylene	104
o-Xylene	103
Naphthalene	108
Surrogate Recovery	
2,5-Dibromotoluene	122

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L9908056

Continued

Parameter	% Recovery
Extractable Petroleum Hydrocarbons LCS for sample(s) 13-16	
Naphthalene	83
Acenaphthene	91
Anthracene	88
Pyrene	76
Chrysene	78
Nonane (C9)	61
Tetradecane (C14)	104
Nonadecane (C19)	88
Eicosane (C20)	113
Octacosane (C28)	314
Surrogate Recovery	
Chloro-Octadecane	79
o-Terphenyl	87
2-Fluorobiphenyl	103
2-Bromonaphthalene	85
Extractable Petroleum Hydrocarbons LCS for sample(s) 19	
Naphthalene	81
Acenaphthene	88
Anthracene	95
Pyrene	87
Chrysene	88
Nonane (C9)	61
Tetradecane (C14)	100
Nonadecane (C19)	96
Eicosane (C20)	124
Octacosane (C28)	71
Surrogate Recovery	
Chloro-Octadecane	93
o-Terphenyl	101
2-Fluorobiphenyl	90
2-Bromonaphthalene	73
Extractable Petroleum Hydrocarbons LCS for sample(s) 01-03,05-08,12	
Naphthalene	63
Acenaphthene	90
Anthracene	92
Pyrene	85
Chrysene	90
Nonane (C9)	68
Tetradecane (C14)	107
Nonadecane (C19)	107
Eicosane (C20)	142
Octacosane (C28)	91

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L9908056

Continued

Parameter	% Recovery
Extractable Petroleum Hydrocarbons LCS for sample(s) 01-03,05-08,12	
Surrogate Recovery	
Chloro-Octadecane	104
o-Terphenyl	94
2-Fluorobiphenyl	91
2-Bromonaphthalene	45
Chromium, Hexavalent SPIKE for sample(s) 13,16-18	
Chromium, Hexavalent	185
Chromium, Hexavalent SPIKE for sample(s) 04,07-12,14-15	
Chromium, Hexavalent	29
Total Metals SPIKE for sample(s) 01-11	
Arsenic, Total	84
Barium, Total	92
Beryllium, Total	92
Cadmium, Total	85
Chromium, Total	95
Cobalt, Total	96
Copper, Total	150
Lead, Total	94
Magnesium, Total	91
Manganese, Total	63
Nickel, Total	88
Potassium, Total	100
Selenium, Total	130
Sodium, Total	86
Thallium, Total	96
Vanadium, Total	85
Zinc, Total	87
Total Metals SPIKE for sample(s) 12-18	
Arsenic, Total	110
Barium, Total	100
Beryllium, Total	96
Cadmium, Total	88
Calcium, Total	120
Chromium, Total	93
Cobalt, Total	93
Copper, Total	130
Lead, Total	93
Magnesium, Total	62
Manganese, Total	120
Nickel, Total	91
Potassium, Total	110
Selenium, Total	78
Sodium, Total	94

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L9908056

Continued

Parameter	% Recovery
Total Metals SPIKE for sample(s) 12-18	
Thallium, Total	100
Vanadium, Total	100
Zinc, Total	83
Total Metals SPIKE for sample(s) 01-15	
Mercury, Total	108
Total Metals SPIKE for sample(s) 16-18	
Mercury, Total	95

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L9908056

Parameter	MS %	MSD %	RPD
PAH by GC/MS SIM 8270M for sample(s) 01-03,05-09,12-17			
Acenaphthene	82	94	14
Pyrene	140	120	15

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9908056

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	D
Blank Analysis for sample(s) 01-03,05-06								
Chromium, Hexavalent	ND	mg/kg	0.50	1	7196A		08-Oct	JT
Blank Analysis for sample(s) 04,07-12,14-15								
Chromium, Hexavalent	ND	mg/kg	0.50	1	7196A		12-Oct	ST
Blank Analysis for sample(s) 13,16-18								
Chromium, Hexavalent	ND	mg/kg	0.50	1	7196A		13-Oct	[illegible]
Blank Analysis for sample(s) 01-11								
Total Metals				1	3051			
Aluminum, Total	ND	mg/kg	4.0	1	6010B	07-Oct	08-Oct	LP
Antimony, Total	ND	mg/kg	2.0	1	6010B	07-Oct	08-Oct	MG
Arsenic, Total	ND	mg/kg	0.40	1	6010B	07-Oct	08-Oct	MG
Barium, Total	ND	mg/kg	0.40	1	6010B	07-Oct	08-Oct	G
Beryllium, Total	ND	mg/kg	0.20	1	6010B	07-Oct	08-Oct	G
Cadmium, Total	ND	mg/kg	0.40	1	6010B	07-Oct	08-Oct	MG
Calcium, Total	ND	mg/kg	20.	1	6010B	07-Oct	08-Oct	P
Chromium, Total	ND	mg/kg	0.40	1	6010B	07-Oct	08-Oct	G
Cobalt, Total	ND	mg/kg	0.80	1	6010B	07-Oct	08-Oct	MG
Copper, Total	ND	mg/kg	0.40	1	6010B	07-Oct	08-Oct	MG
Iron, Total	ND	mg/kg	2.0	1	6010B	07-Oct	08-Oct	P
Lead, Total	ND	mg/kg	2.0	1	6010B	07-Oct	08-Oct	G
Magnesium, Total	ND	mg/kg	4.0	1	6010B	07-Oct	08-Oct	MG
Manganese, Total	ND	mg/kg	0.40	1	6010B	07-Oct	08-Oct	LP
Nickel, Total	ND	mg/kg	1.0	1	6010B	07-Oct	08-Oct	G
Potassium, Total	ND	mg/kg	100	1	6010B	07-Oct	08-Oct	P
Selenium, Total	ND	mg/kg	0.80	1	6010B	07-Oct	08-Oct	MG
Silver, Total	ND	mg/kg	0.40	1	6010B	07-Oct	08-Oct	MG
Sodium, Total	ND	mg/kg	20.	1	6010B	07-Oct	08-Oct	P
Thallium, Total	ND	mg/kg	0.80	1	6010B	07-Oct	08-Oct	MG
Tin, Total	ND	mg/kg	2.0	1	6010B	07-Oct	08-Oct	LP
Vanadium, Total	ND	mg/kg	0.40	1	6010B	07-Oct	08-Oct	G
Zinc, Total	ND	mg/kg	2.0	1	6010B	07-Oct	08-Oct	G
Blank Analysis for sample(s) 12-18								
Total Metals				1	3051			
Aluminum, Total	ND	mg/kg	4.0	1	6010B		12-Oct	LP
Antimony, Total	ND	mg/kg	2.0	1	6010B		12-Oct	MG
Arsenic, Total	ND	mg/kg	0.40	1	6010B		12-Oct	G
Barium, Total	ND	mg/kg	0.40	1	6010B		12-Oct	MG
Beryllium, Total	ND	mg/kg	0.20	1	6010B		12-Oct	MG
Cadmium, Total	ND	mg/kg	0.320	1	6010B		12-Oct	G
Calcium, Total	ND	mg/kg	20.	1	6010B		12-Oct	P

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9908056

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Blank Analysis for sample(s) 12-18								
Total Metals				1	3051			
Chromium, Total	ND	mg/kg	0.40	1	6010B		12-Oct	MG
Cobalt, Total	ND	mg/kg	0.80	1	6010B		12-Oct	MG
Copper, Total	ND	mg/kg	0.40	1	6010B		12-Oct	MG
Iron, Total	ND	mg/kg	2.0	1	6010B		12-Oct	LP
Lead, Total	ND	mg/kg	2.0	1	6010B		12-Oct	MG
Magnesium, Total	ND	mg/kg	4.0	1	6010B		12-Oct	LP
Manganese, Total	ND	mg/kg	0.40	1	6010B		12-Oct	LP
Nickel, Total	ND	mg/kg	1.0	1	6010B		12-Oct	MG
Potassium, Total	ND	mg/kg	100	1	6010B		12-Oct	LP
Selenium, Total	ND	mg/kg	0.80	1	6010B		12-Oct	MG
Silver, Total	ND	mg/kg	0.200	1	6010B		12-Oct	MG
Sodium, Total	ND	mg/kg	20.	1	6010B		12-Oct	LP
Thallium, Total	ND	mg/kg	0.80	1	6010B		12-Oct	MG
Tin, Total	ND	mg/kg	2.0	1	6010B		12-Oct	LP
Vanadium, Total	ND	mg/kg	0.40	1	6010B		12-Oct	MG
Zinc, Total	ND	mg/kg	2.0	1	6010B		12-Oct	MG
Blank Analysis for sample(s) 01-15								
Total Metals								
Mercury, Total	ND	mg/kg	0.25	1	7471A	07-Oct	08-Oct	TT
Blank Analysis for sample(s) 16-18								
Total Metals								
Mercury, Total	ND	mg/kg	0.25	1	7471A	08-Oct	12-Oct	TT
Blank Analysis for sample(s) 01-03,05-09,12-17								
PAH by GC/MS SIM 8270M				1	8270C-M	12-Oct	13-Oct	MK
Acenaphthene	ND	ug/kg	20.					
2-Chloronaphthalene	ND	ug/kg	20.					
Fluoranthene	ND	ug/kg	20.					
Naphthalene	ND	ug/kg	20.					
Benzo(a)anthracene	ND	ug/kg	20.					
Benzo(a,e)pyrene	ND	ug/kg	20.					
Benzo(b)fluoranthene	ND	ug/kg	20.					
Benzo(k)fluoranthene	ND	ug/kg	20.					
Chrysene	ND	ug/kg	20.					
Acenaphthylene	ND	ug/kg	20.					
Anthracene	ND	ug/kg	20.					
Benzo(ghi)perylene	ND	ug/kg	20.					
Fluorene	ND	ug/kg	20.					
Phenanthrene	ND	ug/kg	20.					
Dibenzo(a,h)anthracene	ND	ug/kg	20.					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	20.					
Pyrene	ND	ug/kg	20.					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9908056

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	D
Blank Analysis for sample(s) 01-03,05-09,12-17								
PAH by GC/MS SIM 8270M continued				1	8270C-M	12-Oct	13-Oct	MK
1-Methylnaphthalene	ND	ug/kg	20.					
2-Methylnaphthalene	ND	ug/kg	20.					
Perylene	ND	ug/kg	20.					
Biphenyl	ND	ug/kg	20.					
Surrogate Recovery								
Nitrobenzene-d5	66.0	%						
2-Fluorobiphenyl	64.0	%						
4-Terphenyl-d14	72.0	%						
Blank Analysis for sample(s) 01-17								
Polychlorinated Biphenyls				1	8082	07-Oct	08-Oct	B
Aroclor 1221	ND	ug/kg	250.					
Aroclor 1232	ND	ug/kg	250.					
Aroclor 1242/1016	ND	ug/kg	250.					
Aroclor 1248	ND	ug/kg	250.					
Aroclor 1254	ND	ug/kg	250.					
Aroclor 1260	ND	ug/kg	250.					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	114.	%						
Decachlorobiphenyl	60.0	%						
Blank Analysis for sample(s) 18								
Polychlorinated Biphenyls				1	8082	07-Oct	12-Oct	PB
Aroclor 1221	ND	ug/kg	250.					
Aroclor 1232	ND	ug/kg	250.					
Aroclor 1242/1016	ND	ug/kg	250.					
Aroclor 1248	ND	ug/kg	250.					
Aroclor 1254	ND	ug/kg	250.					
Aroclor 1260	ND	ug/kg	250.					
Surrogate Recovery								
2,4,5,6-Tetrachloro-m-xylene	121.	%						
Decachlorobiphenyl	64.0	%						
Blank Analysis for sample(s) 07,12								
Volatile Petroleum Hydrocarbons				47	98-1		13-Oct	JC
C5-C8 Aliphatics	ND	mg/kg	1.00					
C9-C12 Aliphatics	ND	mg/kg	1.00					
C9-C10 Aromatics	ND	mg/kg	1.00					
C5-C8 Aliphatics, Adjusted	ND	mg/kg	1.00					
C9-C12 Aliphatics, Adjusted	ND	mg/kg	1.00					
Benzene	ND	mg/kg	0.100					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9908056

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	ID
Blank Analysis for sample(s) 07,12								
Volatile Petroleum Hydrocarbons continued				47	98-1		13-Oct	JC
Toluene	ND	mg/kg	0.100					
Ethylbenzene	ND	mg/kg	0.100					
p/m-Xylene	ND	mg/kg	0.100					
o-Xylene	ND	mg/kg	0.100					
Methyl tert butyl ether	ND	mg/kg	1.00					
Naphthalene	ND	mg/kg	1.00					
Surrogate Recovery								
2,5-Dibromotoluene	79.0	%						
Blank Analysis for sample(s) 13-16								
Extractable Petroleum Hydrocarbons				46	98-1	08-Oct	12-Oct	HL
C9-C18 Aliphatics	ND	mg/kg	10.0					
C19-C36 Aliphatics	ND	mg/kg	10.0					
C11-C22 Aromatics	ND	mg/kg	10.0					
Surrogate Recovery								
Chloro-Octadecane	88.0	%						
o-Terphenyl	90.0	%						
2-Fluorobiphenyl	98.0	%						
2-Bromonaphthalene	50.0	%						
Blank Analysis for sample(s) 19								
Extractable Petroleum Hydrocarbons				46	98-1	09-Oct	13-Oct	HL
C9-C18 Aliphatics	ND	mg/kg	10.0					
C19-C36 Aliphatics	ND	mg/kg	10.0					
C11-C22 Aromatics	ND	mg/kg	10.0					
C11-C22 Aromatics, Adjusted	ND	mg/kg	10.0					
Naphthalene	ND	mg/kg	0.500					
2-Methylnaphthalene	ND	mg/kg	0.500					
Acenaphthalene	ND	mg/kg	0.500					
Acenaphthene	ND	mg/kg	0.500					
Fluorene	ND	mg/kg	0.500					
Phenanthrene	ND	mg/kg	0.500					
Anthracene	ND	mg/kg	0.500					
Fluoranthene	ND	mg/kg	0.500					
Pyrene	ND	mg/kg	0.500					
Benzo(a)anthracene	ND	mg/kg	0.500					
Chrysene	ND	mg/kg	0.500					
Benzo(b)fluoranthene	ND	mg/kg	0.500					
Benzo(k)fluoranthene	ND	mg/kg	0.500					
Benzo(a)pyrene	ND	mg/kg	0.500					
Indeno(1,2,3-cd)Pyrene	ND	mg/kg	0.500					
Dibenzo(a,h)anthracene	ND	mg/kg	0.500					
Benzo(ghi)perylene	ND	mg/kg	0.500					

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L9908056

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATES PREP	DATES ANALYSIS	D
Blank Analysis for sample(s) 19								
Extractable Petroleum Hydrocarbons continued				46	98-1	09-Oct	13-Oct	HL
Surrogate Recovery								
Chloro-Octadecane	76.0	%						
o-Terphenyl	90.0	%						
2-Fluorobiphenyl	95.0	%						
2-Bromonaphthalene	69.0	%						
Blank Analysis for sample(s) 01-03,05-08,12								
Extractable Petroleum Hydrocarbons				46	98-1	09-Oct	13-Oct	A
C9-C18 Aliphatics	10.1	mg/kg	10.0					
C19-C36 Aliphatics	ND	mg/kg	10.0					
C11-C22 Aromatics	ND	mg/kg	10.0					
C11-C22 Aromatics, Adjusted	ND	mg/kg	10.0					
Naphthalene	ND	mg/kg	0.500					
2-Methylnaphthalene	ND	mg/kg	0.500					
Acenaphthalene	ND	mg/kg	0.500					
Acenaphthene	ND	mg/kg	0.500					
Fluorene	ND	mg/kg	0.500					
Phenanthrene	ND	mg/kg	0.500					
Anthracene	ND	mg/kg	0.500					
Fluoranthene	ND	mg/kg	0.500					
Pyrene	ND	mg/kg	0.500					
Benzo(a)anthracene	ND	mg/kg	0.500					
Chrysene	ND	mg/kg	0.500					
Benzo(b)fluoranthene	ND	mg/kg	0.500					
Benzo(k)fluoranthene	ND	mg/kg	0.500					
Benzo(a)pyrene	ND	mg/kg	0.500					
Indeno(1,2,3-cd)Pyrene	ND	mg/kg	0.500					
Dibenzo(a,h)anthracene	ND	mg/kg	0.500					
Benzo(ghi)perylene	ND	mg/kg	0.500					
Surrogate Recovery								
Chloro-Octadecane	102.	%						
o-Terphenyl	101.	%						
2-Fluorobiphenyl	107.	%						
2-Bromonaphthalene	55.0	%						

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30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

46. Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), Massachusetts Department of Environmental Protection, (MADEP-EPH-98-1), January 1998.

47. Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), Massachusetts Department of Environmental Protection, (MADEP-VPH-98-1), January 1998.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.

METHOD Method number by which analysis was performed.

ID Initials of the analyst.

LIMITATION OF LIABILITIES

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