analytics environmental laboratory LLC

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Portsmouth, New Hampshire 03801
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800-929-9906
www.analyticslab.com

September 14, 2010

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

RE: Analytical Results Case Narrative
SME 956-10
Analytics #67660

Dear Mr. Kodis:

Enclosed please find the analytical report for samples collected from the above-mentioned project. The attached Cover Page lists the sample IDs, Lab tracking numbers and collection dates for the samples included in this deliverable.

Samples were analyzed for Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Method 8270C and Polychlorinated Biphenyls (PCBs) by EPA 8082.

Unless otherwise noted in the Non-conformance Summary listed below, all of the quality control (QC) criteria including initial calibration, calibration verification, surrogate recovery, holding time and method accuracy/precision for these analyses were within acceptable limits.

This Level II package has been assembled in the following order:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- PAH Form I Data Sheet for Samples and Blanks
  - Chromatograms
- PAH Form 3 MS/MSD (LCS) Recoveries
- PCB Form I Data Sheet for Samples and Blanks
  - Chromatograms
- PCB Form 3 MS/MSD (LCS) Recoveries
- Chain of Custody (COC) Forms
- Sample Receipt Checklist

QC NON-CONFORMANCE SUMMARY

Sample Receipt:
No exceptions.

Polynuclear Aromatic Hydrocarbons (PAHs) by 8270C:
2-Fluorobiphenyl and Benzo(a) anthracene used quadratic fit for quantitation in the selected ion monitoring curve.

2-Fluorobiphenyl, Benzo (k) fluoranthene, Indeno[1,2,3-cd] pyrene and Dibenz [a,h] anthracene used quadratic fit for the calibration curve analyzed 09/01/10.

Samples 67660-5 and 67660-6 had low recovery for internal standard d12-Perylene. The sample results were confirmed by reanalysis or MS/MSD analysis. Results were reported with a comment to this affect.

Sample 67660-6 required dilution due to the concentrations of analytes present in the sample.

The MS/MSD analyzed on sample 67660-2 had several analytes with recoveries outside the laboratory acceptance criteria due to matrix affect(see form 3).. The laboratory control samples were in control for all analytes. Results were reported without qualification.

PCBs by EPA 8082:
No results are reported below the quantitation limit.

The closing continuing calibration standard had low recoveries for surrogate Decachlorobiphenyl (DCB). The analytical window was reanalyzed with similar results. Results were reported without qualification.

If you have any questions or I can be of further assistance please do not hesitate to contact me.

Sincerely,
ANALYTICS Environmental Laboratory, LLC

Stephen Knollmeyer
Laboratory Director

analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

Report Number: 67660

Revision: Rev. 0

Re: SME 956-10

Enclosed are the results of the analyses on your sample(s). Samples were received on 02 September 2010 and analyzed for the tests listed. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Sample Analysis: The attached pages detail the Client Sample IDs, Lab Sample IDs, and Analyses requested

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and is accredited by the Deparment of Defense (DOD) ELAP program. A list of actual certified parameters is available upon request.

If you have any questions on these results, please do not hesitate to contact us.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 9/14/2010

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CLIENT: Maine Environmental Laboratory, Inc. **REPORT NUMBER: 67660** **REV: Rev. 0**

PROJECT: SME 956-10

Lab Number	Sample Date	Station Location	Analysis	Comments
67660-1	09/01/10	SS-414	EPA 8082 (PCBs only)	
	09/01/10	SS-414	EPA 8270 (PAH only)	
67660-2	09/01/10	SS-412	EPA 8082 (PCBs only)	
	09/01/10	SS-412	EPA 8270 (PAH only)	
67660-3	09/01/10	TP-22-6'	EPA 8270 (PAH only)	
67660-4	09/01/10	SS-413	EPA 8082 (PCBs only)	
	09/01/10	SS-413	EPA 8270 (PAH only)	
67660-5	09/01/10	SS-441	EPA 8082 (PCBs only)	
	09/01/10	SS-441	EPA 8270 (PAH only)	
67660-6	09/01/10	SS-415	Electronic Data Deliverable	
	09/01/10	SS-415	EPA 8082 (PCBs only)	
	09/01/10	SS-415	EPA 8270 (PAH only)	

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Surrogate Compound Limits

Matrix:	Aqueous	Solid	
Units:	% Recovery	% Recovery	Method
Volatile Organic Compounds - Drinking Water			
1,4-Difluorobenzene	70-130		EPA 524.2
Bromofluorobenzene	70-130		
1,2-Dichlorobenzene-d4	70-130		
Volatile Organic Compounds			
1,2-Dichloroethane-d4	70-120	70-120	EPA 624/8260B
Toluene-d8	85-120	85-120	
Bromofluorobenzene	75-120	75-120	
Semi-Volatile Organic Compounds			
2-Fluorophenol	20-110	35-105	EPA 625/8270C
d5-Phenol	15-110	40-100	
d5-nitrobenzene	40-110	35-100	
2-Fluorobiphenyl	50-110	45-105	
2,4,6-Tribromophenol	40-110	40-125	
d14-p-terphenyl	50-130	30-125	
PAH's by SIM			
d5-nitrobenzene	21-110	35-110	EPA 8270C
2-Fluorobiphenyl	36-121	45-105	
d14-p-terphenyl	33-141	30-125	
Pesticides and PCBs			
2,4,5,6-Tetrachloro-m-xylene (TCX)	46-122	40-130	EPA 608/8082
Decachlorobiphenyl (DCB)	40-135	40-130	
Herbicides			
Dichloroacetic acid (DCAA)	30-150	30-150	
Gasoline Range Organics/TPH Gasoline			
Trifluorotoluene TFT (FID)	60-140	60-140	MEDEP 4217/EPA 8015
Bromofluorobenzene (BFB) (FID)	60-140	60-140	
Trifluorotoluene TFT (PID)	60-140	60-140	
Bromofluorobenzene (BFB) (PID)	60-140	60-140	
Diesel Range Organics/TPH Diesel			
m-terphenyl	60-140	60-140	MEDEP 4125/EPA 8015/CT ETPH
Volatile Petroleum Hydrocarbons			
2,5-Dibromotoluene (PID)	70-130	70-130	MADEP VPH May 2004 Rev1.1
2,5-Dibromotoluene (FID)	70-130	70-130	
Extracatable Petroleum Hydrocarbons			
1-chloro-octadecane (aliphatic)	40-140	40-140	MADEP EPH May 2004 Rev1.1
o-Terphenyl (aromatic)	40-140	40-140	
2-Fluorobiphenyl (Fractionation)	40-140	40-140	
2-Bromonaphthalene (fractionation)	40-140	40-140	

SEMI-VOLATILE
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

September 14, 2010

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-414

SAMPLE DATA

Lab Sample ID: 67660-1 SIM
Matrix: Solid
Percent Solid: 98
Dilution Factor: 1.0
Collection Date: 09/01/10
Lab Receipt Date: 09/02/10
Extraction Date: 09/07/10
Analysis Date: 09/09/10

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	7	**6.2 J**
Acenaphthylene	7	**205**
Acenaphthene	7	**6.2 J**
Fluorene	7	**20**
Phenanthrene	7	**132**
Anthracene	7	**342**
Fluoranthene	7	**1940 E**
Pyrene	7	**2290 E**
Benzo[a]anthracene	7	**1080**
Chrysene	7	**1350 E**
Benzo[b] fluoranthene	7	**1460 E**
Benzo[k] fluoranthene	7	**396**
Benzo[a] pyrene	7	**345**
Dibenz [a,h] anthracene	7	**72**
Benzo(g,h,i) perylene	7	**222**
Indeno [1,2,3-cd] pyrene	7	**342**
2-Methylnaphthalene	7	**5.7 J**

Surrogate Standard Recovery

d5-nitrobenzene	65	%	2-Fluorobiphenyl	79	%	d14-p-terphenyl	91	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

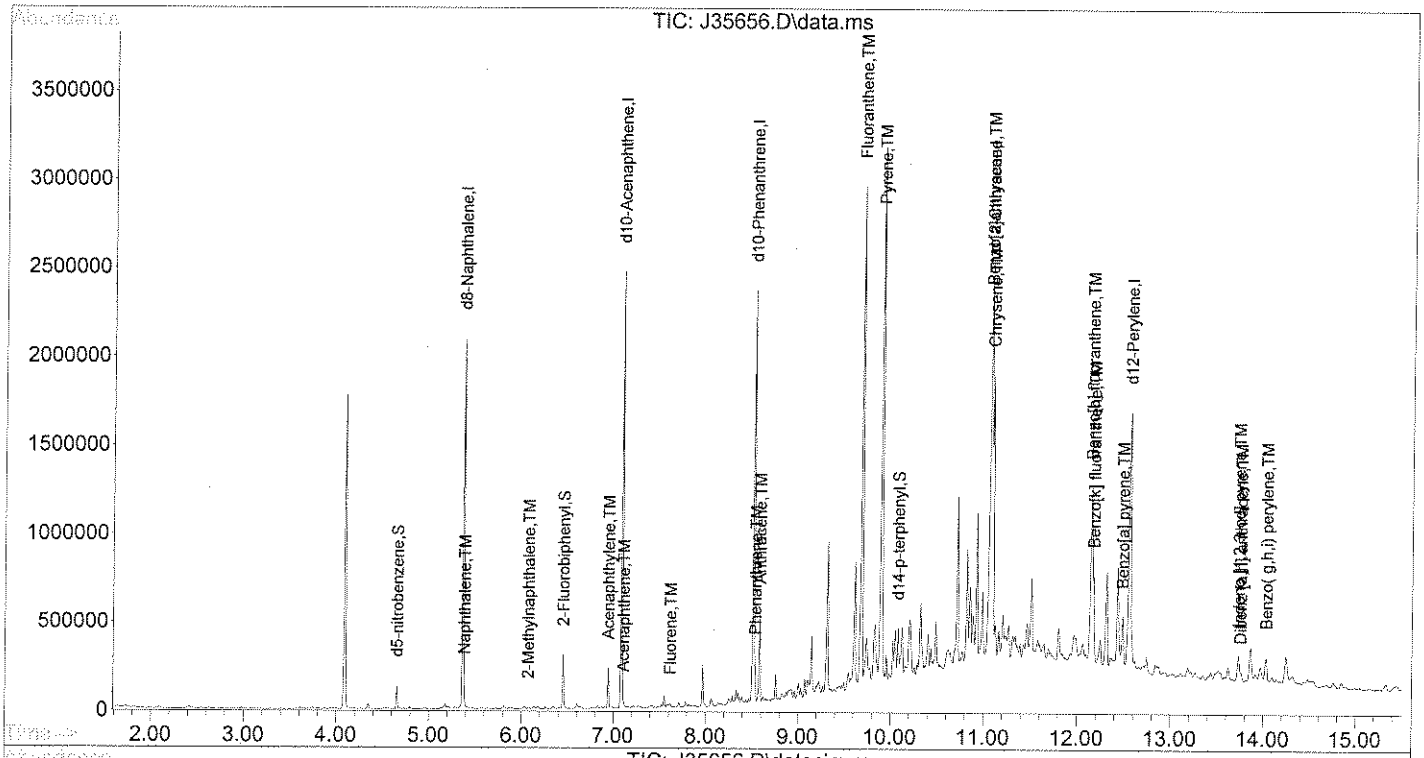
Authorized signature

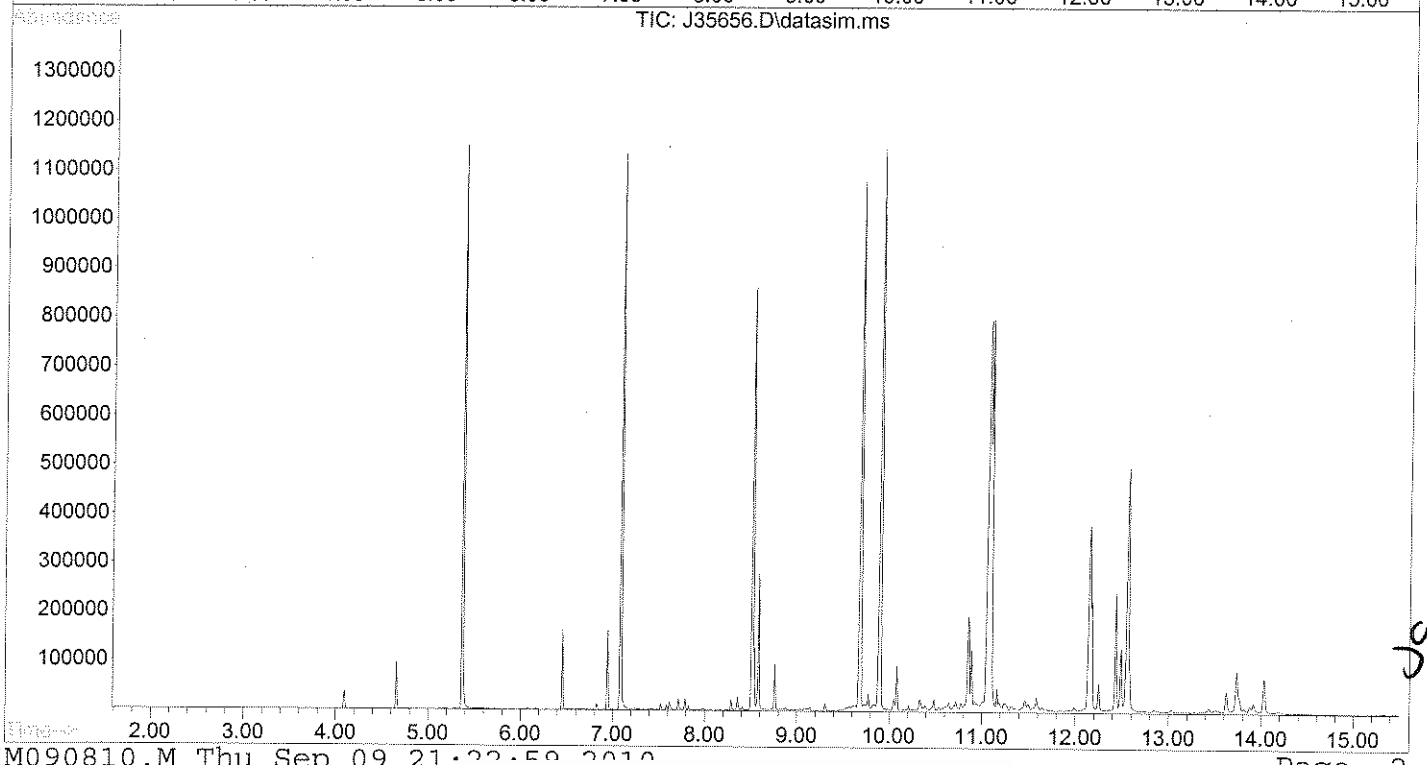
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090910-J\
Data File : J35656.D
Acq On : 9 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67660-1
Misc : SOIL
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 09 21:22:29 2010
Quant Method : C:\msdchem\1\METHODS\SIM090810.M
Quant Title : ABN SIM
QLast Update : Thu Sep 09 02:22:34 2010
Response via : Initial Calibration

9/10/10





DS-460

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

September 14, 2010

SAMPLE DATA

Lab Sample ID:	67660-1
Matrix:	Solid
Percent Solid:	98
Dilution Factor:	1.0
Collection Date:	09/01/10
Lab Receipt Date:	09/02/10
Extraction Date:	09/07/10
Analysis Date:	09/09/10

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-414

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	240	U
Acenaphthylene	240	**236 J**
Acenaphthene	240	U
Fluorene	240	U
Phenanthrene	240	**152 J**
Anthracene	240	**409**
Fluoranthene	240	**2730**
Pyrene	240	**3190**
Benzo[a]anthracene	240	**1140**
Chrysene	240	**1660**
Benzo[b] fluoranthene	240	**1720**
Benzo[k] fluoranthene	240	**358**
Benzo[a] pyrene	240	**387**
Dibenz [a,h] anthracene	240	**170 J**
Benzo(g,h,i) perylene	240	**254**
Indeno [1,2,3-cd] pyrene	240	**431**
2-Methylnaphthalene	240	U

Surrogate Standard Recovery

d5-nitrobenzene	65 %	2-Fluorobiphenyl	79 %	d14-p-terphenyl	91 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS: Results are expressed on a dry weight basis. Surrogate recoveries reported from PAH SIM analysis.

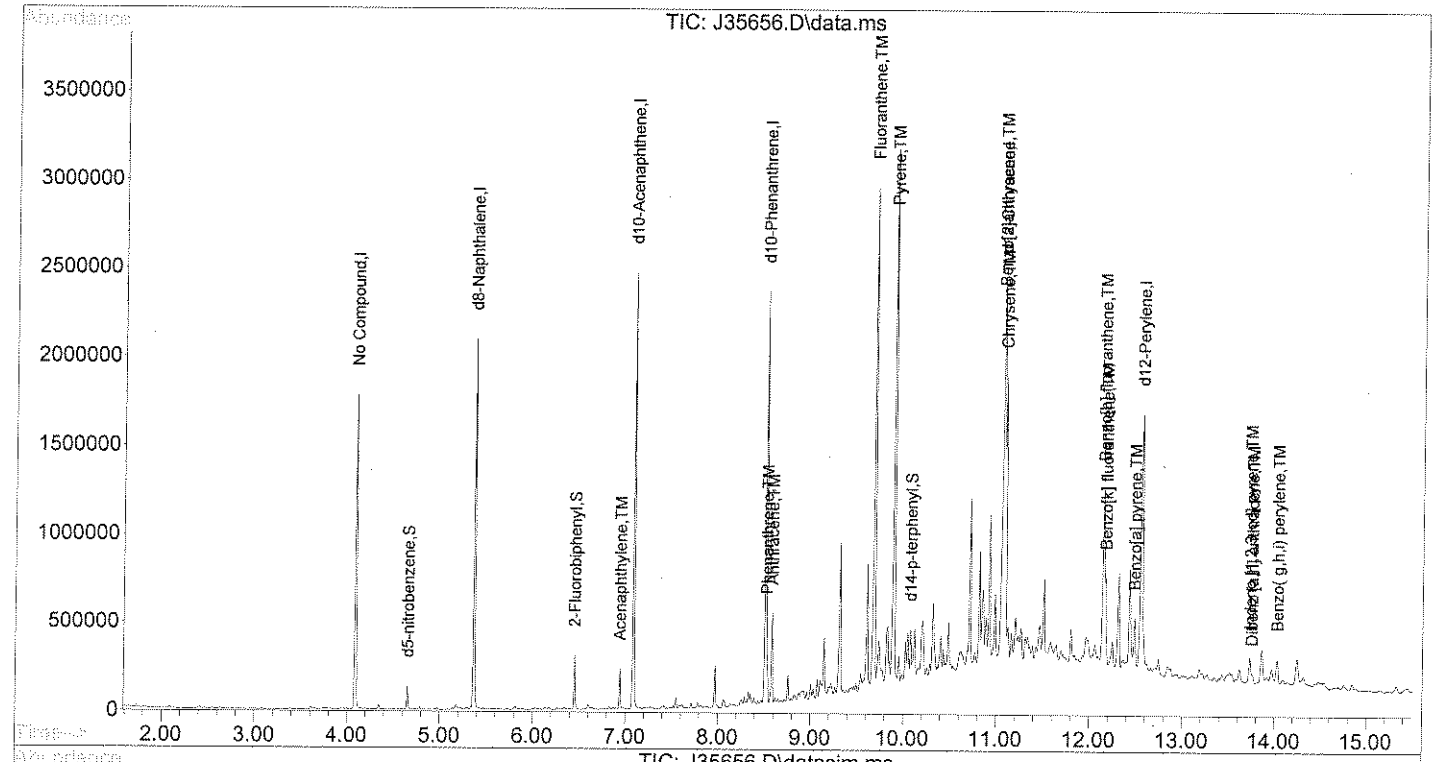
Authorized signature

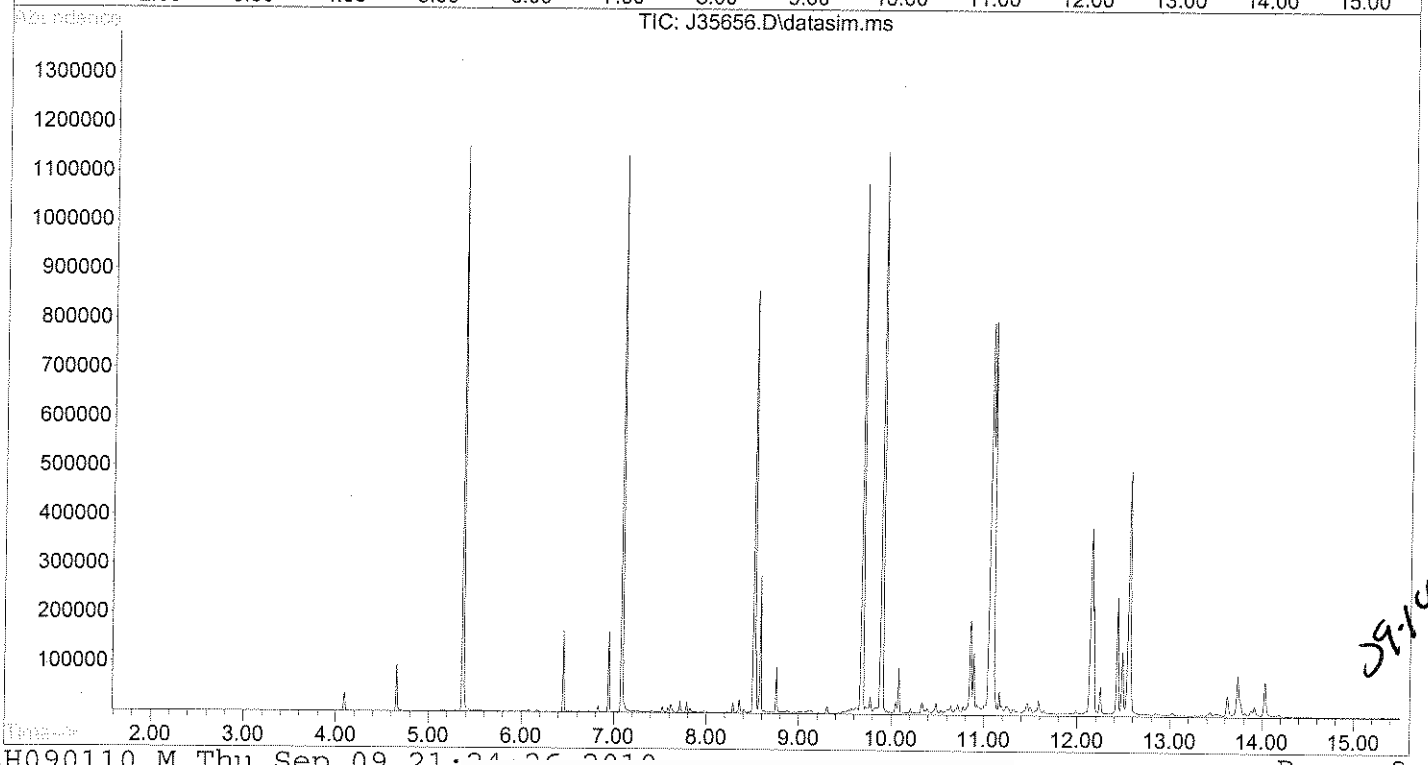
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090910-J\
Data File : J35656.D
Acq On : 9 Sep 2010 8:56 pm
Operator : AR/MG
Sample : 67660-1
Misc : SOIL
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 09 21:24:12 2010
Quant Method : C:\msdchem\1\METHODS\PAH090110.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Sep 09 02:05:12 2010
Response via : Initial Calibration

9/10/10





JS 9/10

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Mr. Herb Kodis
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PO Box 1107
Yarmouth, ME 04096-1107

September 14, 2010

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-412

SAMPLE DATA

Lab Sample ID: 67660-2 SIM
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1.0
Collection Date: 09/01/10
Lab Receipt Date: 09/02/10
Extraction Date: 09/07/10
Analysis Date: 09/09/10

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	7	**144**
Acenaphthylene	7	**871**
Acenaphthene	7	**104**
Fluorene	7	**149**
Phenanthrene	7	**774**
Anthracene	7	**527**
Fluoranthene	7	**1440 E**
Pyrene	7	**1650 E**
Benzo[a]anthracene	7	**3200 E**
Chrysene	7	**1320 E**
Benzo[b] fluoranthene	7	**2740 E**
Benzo[k] fluoranthene	7	**628**
Benzo[a] pyrene	7	**1520 E**
Dibenz [a,h] anthracene	7	**207**
Benzo(g,h,i) perylene	7	**720**
Indeno [1,2,3-cd] pyrene	7	**966**
2-Methylnaphthalene	7	**127**

Surrogate Standard Recovery

d5-nitrobenzene	74	%	2-Fluorobiphenyl	83	%	d14-p-terphenyl	86	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

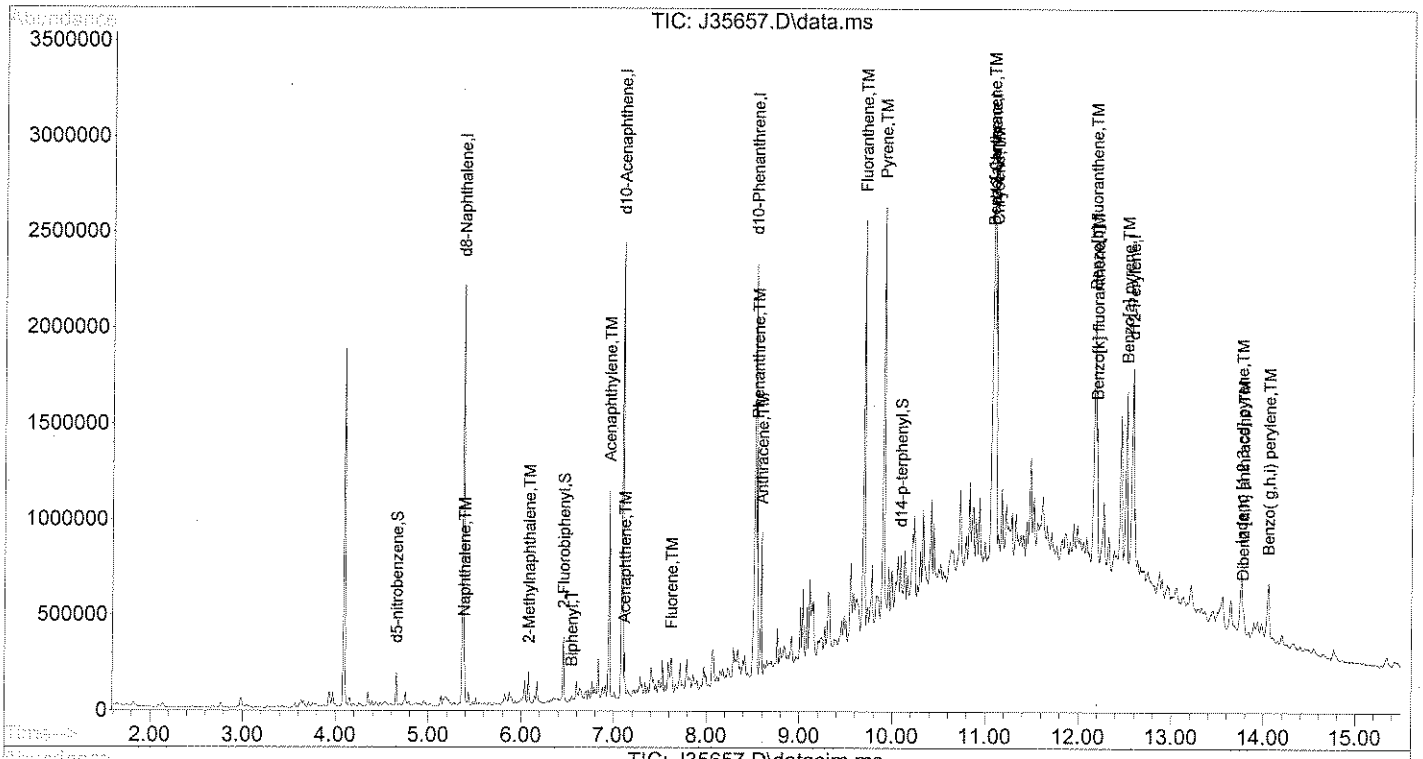
Authorized signature

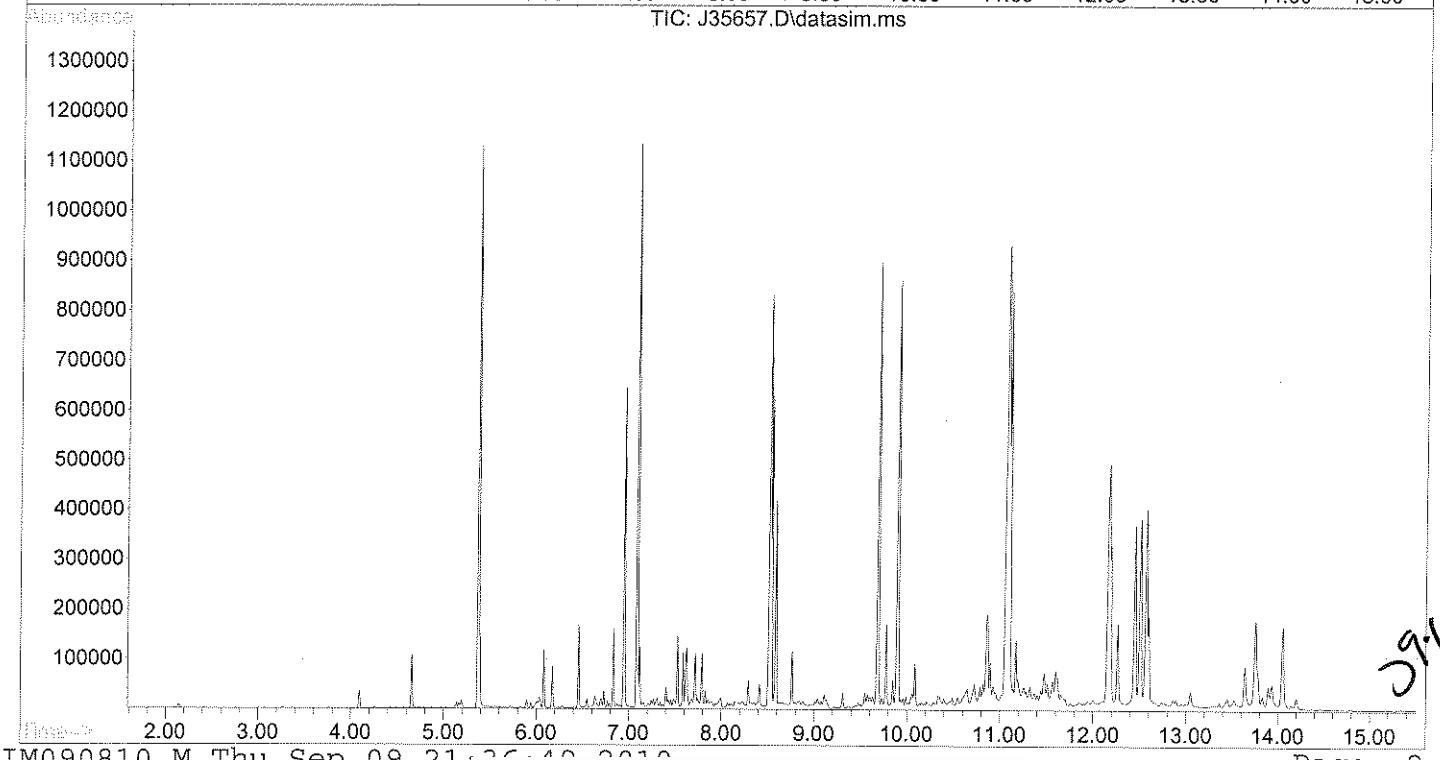
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090910-J\
Data File : J35657.D
Acq On : 9 Sep 2010 9:17 pm
Operator : AR/MG
Sample : 67660-2
Misc : SOIL
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 09 21:36:38 2010
Quant Method : C:\msdchem\1\METHODS\SIM090810.M
Quant Title : ABN SIM
QLast Update : Thu Sep 09 02:22:34 2010
Response via : Initial Calibration

9/10/10





J9/10/10

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

September 14, 2010

SAMPLE DATA

Lab Sample ID:	67660-2
Matrix:	Solid
Percent Solid:	95
Dilution Factor:	1.0
Collection Date:	09/01/10
Lab Receipt Date:	09/02/10
Extraction Date:	09/07/10
Analysis Date:	09/09/10

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-412

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	250	**162 J**
Acenaphthylene	250	**1110**
Acenaphthene	250	U
Fluorene	250	**170 J**
Phenanthrene	250	**999**
Anthracene	250	**641**
Fluoranthene	250	**1990**
Pyrene	250	**2170**
Benzo[a]anthracene	250	**1810**
Chrysene	250	**1610**
Benzo[b] fluoranthene	250	**3200**
Benzo[k] fluoranthene	250	**843**
Benzo[a] pyrene	250	**1880**
Dibenz [a,h] anthracene	250	**307**
Benzo(g,h,i) perylene	250	**870**
Indeno [1,2,3-cd] pyrene	250	**1060**
2-Methylnaphthalene	250	**138 J**

Surrogate Standard Recovery

d5-nitrobenzene	74 %	2-Fluorobiphenyl	83 %	d14-p-terphenyl	86 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS: Results are expressed on a dry weight basis. Surrogate recoveries reported from PAH SIM analysis.

Authorized signature

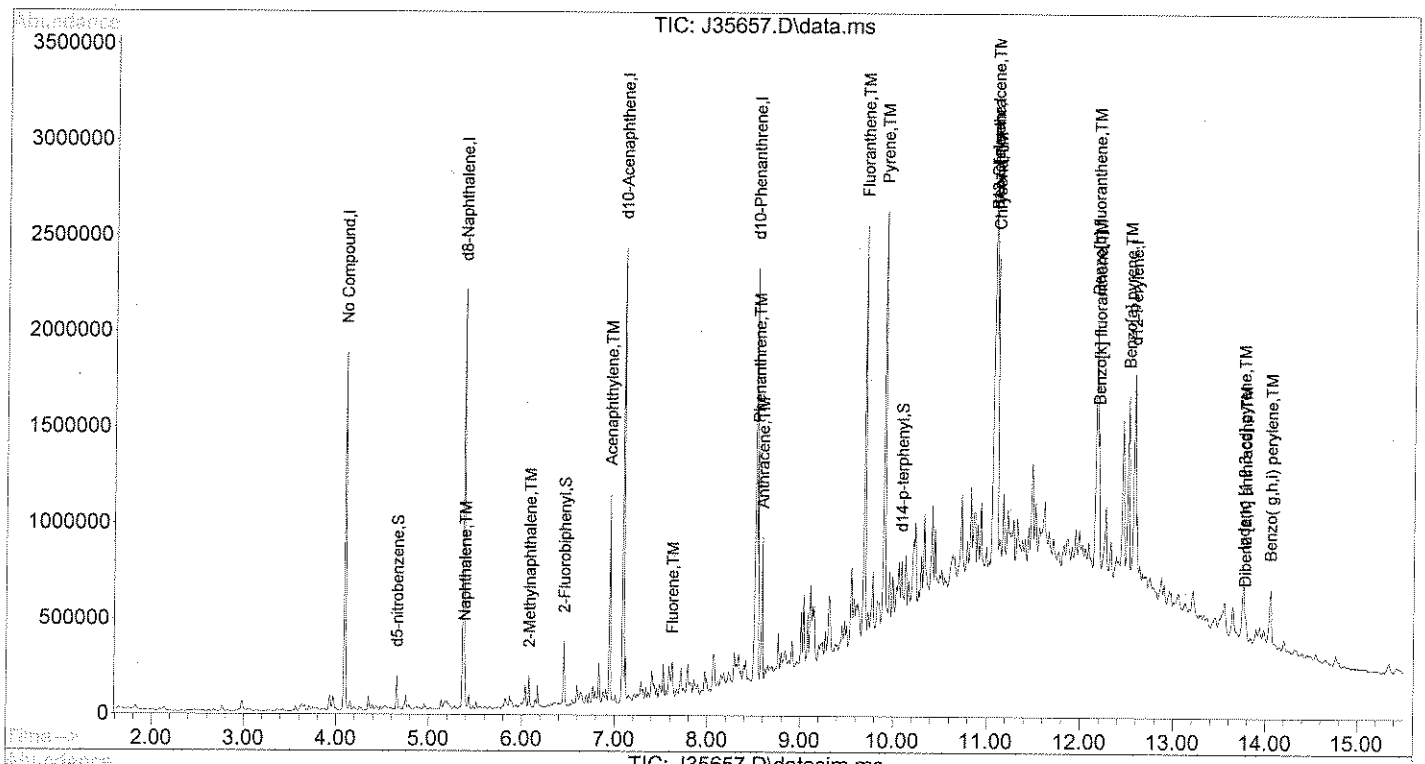
PAH Report

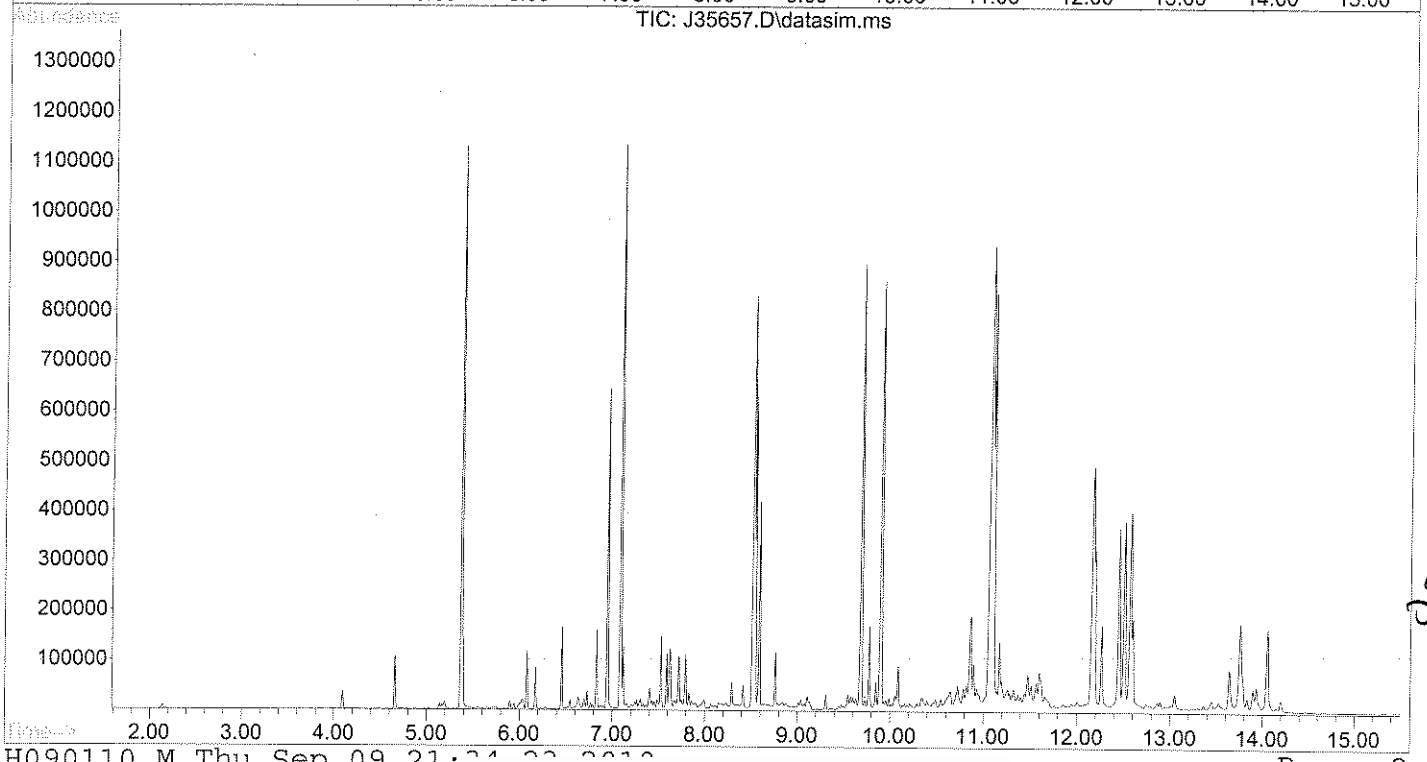
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090910-J\
Data File : J35657.D
Acq On : 9 Sep 2010 9:17 pm
Operator : AR/MG
Sample : 67660-2
Misc : SOIL
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 09 21:34:10 2010
Quant Method : C:\msdchem\1\METHODS\PAH090110.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Sep 09 02:05:12 2010
Response via : Initial Calibration

9/10/10





09/10

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Mr. Herb Kodis
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PO Box 1107
Yarmouth, ME 04096-1107

September 14, 2010

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: TP-22-6'

SAMPLE DATA

Lab Sample ID: 67660-3 SIM
Matrix: Solid
Percent Solid: 80
Dilution Factor: 1.2
Collection Date: 09/01/10
Lab Receipt Date: 09/02/10
Extraction Date: 09/07/10
Analysis Date: 09/09/10

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	8	**17**
Acenaphthylene	8	**11**
Acenaphthene	8	**10**
Fluorene	8	**18**
Phenanthrene	8	**91**
Anthracene	8	**20**
Fluoranthene	8	**111**
Pyrene	8	**112**
Benzo[a]anthracene	8	**62**
Chrysene	8	**66**
Benzo[b] fluoranthene	8	**100**
Benzo[k] fluoranthene	8	**26**
Benzo[a] pyrene	8	**50**
Dibenz [a,h] anthracene	8	**7.9 J**
Benzo(g,h,i) perylene	8	**24**
Indeno [1,2,3-cd] pyrene	8	**35**
2-Methylnaphthalene	8	**10**

Surrogate Standard Recovery

d5-nitrobenzene	61	%	2-Fluorobiphenyl	61	%	d14-p-terphenyl	63	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

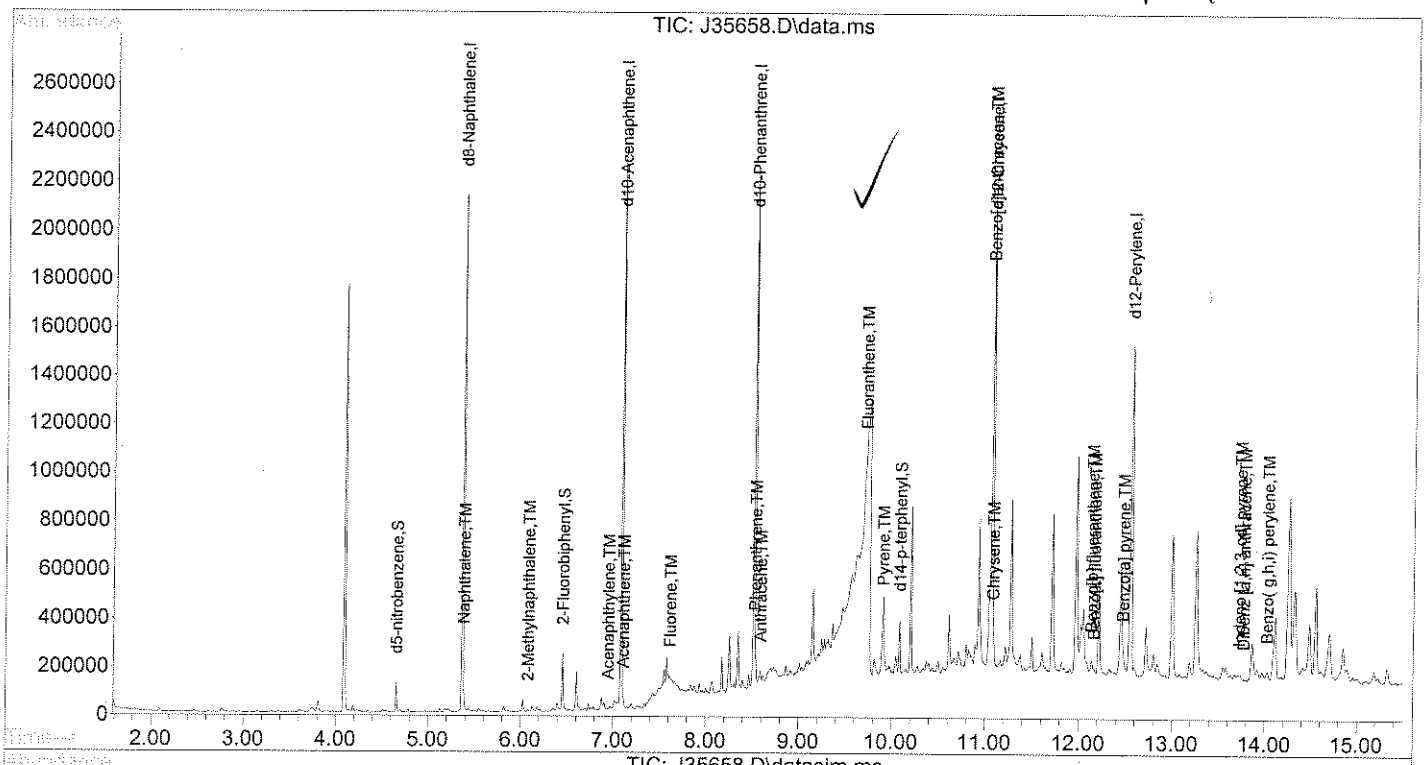
Authorized signature

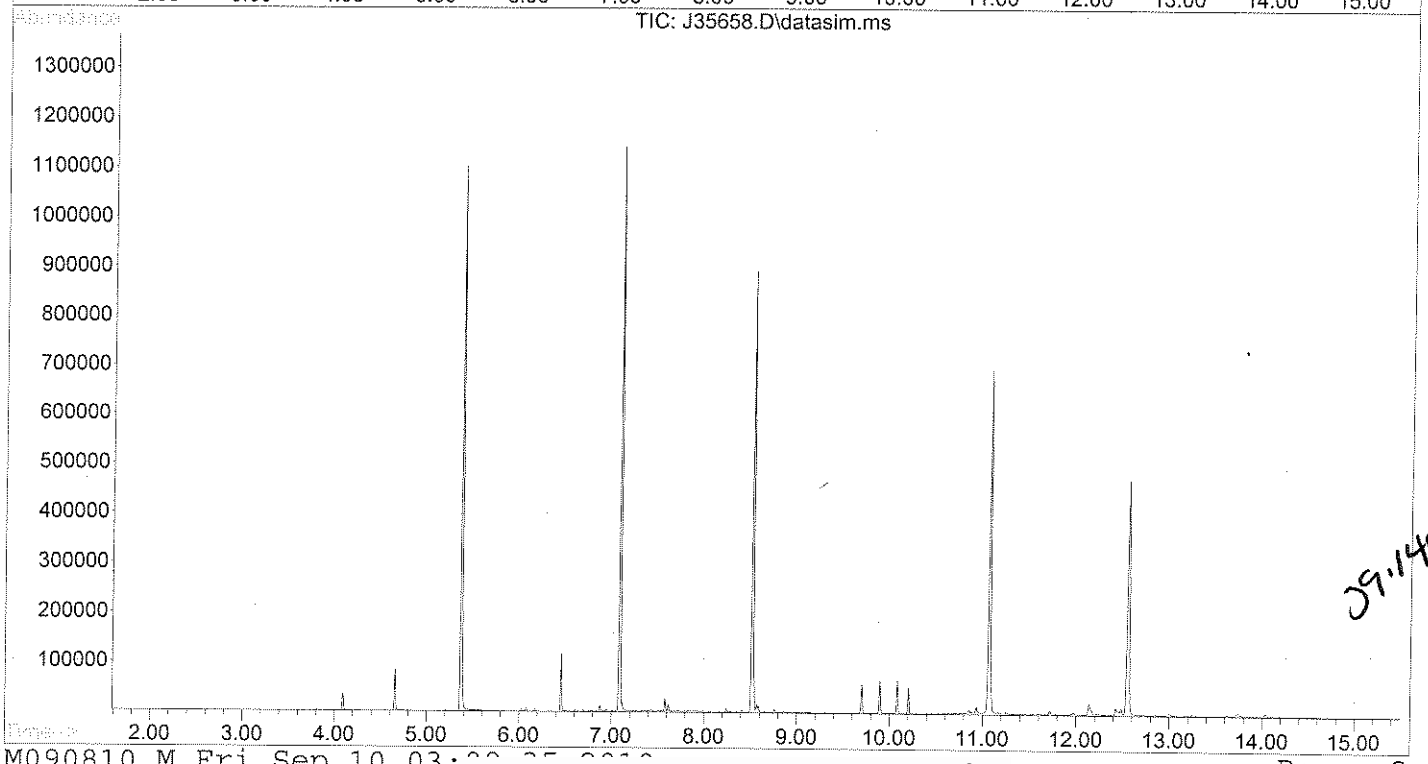
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090910-J\
Data File : J35658.D
Acq On : 9 Sep 2010 9:38 pm
Operator : AR/MG
Sample : 67660-3
Misc : SOIL
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 10 03:09:24 2010
Quant Method : C:\msdchem\1\METHODS\SIM090810.M
Quant Title : ABN SIM
QLast Update : Thu Sep 09 02:22:34 2010
Response via : Initial Calibration

MR 9/10/10





J9.140

analytics environmental laboratory LLC

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

September 14, 2010

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-413

SAMPLE DATA

Lab Sample ID: 67660-4 SIM
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1.1
Collection Date: 09/01/10
Lab Receipt Date: 09/02/10
Extraction Date: 09/07/10
Analysis Date: 09/09/10

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	8	**28**
Acenaphthylene	8	**256**
Acenaphthene	8	**26**
Fluorene	8	**46**
Phenanthrene	8	**357**
Anthracene	8	**172**
Fluoranthene	8	**706**
Pyrene	8	**776**
Benzo[a]anthracene	8	**720**
Chrysene	8	**516**
Benzo[b] fluoranthene	8	**915**
Benzo[k] fluoranthene	8	**213**
Benzo[a] pyrene	8	**506**
Dibenz [a,h] anthracene	8	**62**
Benzo(g,h,i) perylene	8	**210**
Indeno [1,2,3-cd] pyrene	8	**296**
2-Methylnaphthalene	8	**22**

Surrogate Standard Recovery

d5-nitrobenzene	69	%	2-Fluorobiphenyl	79	%	d14-p-terphenyl	84	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis.

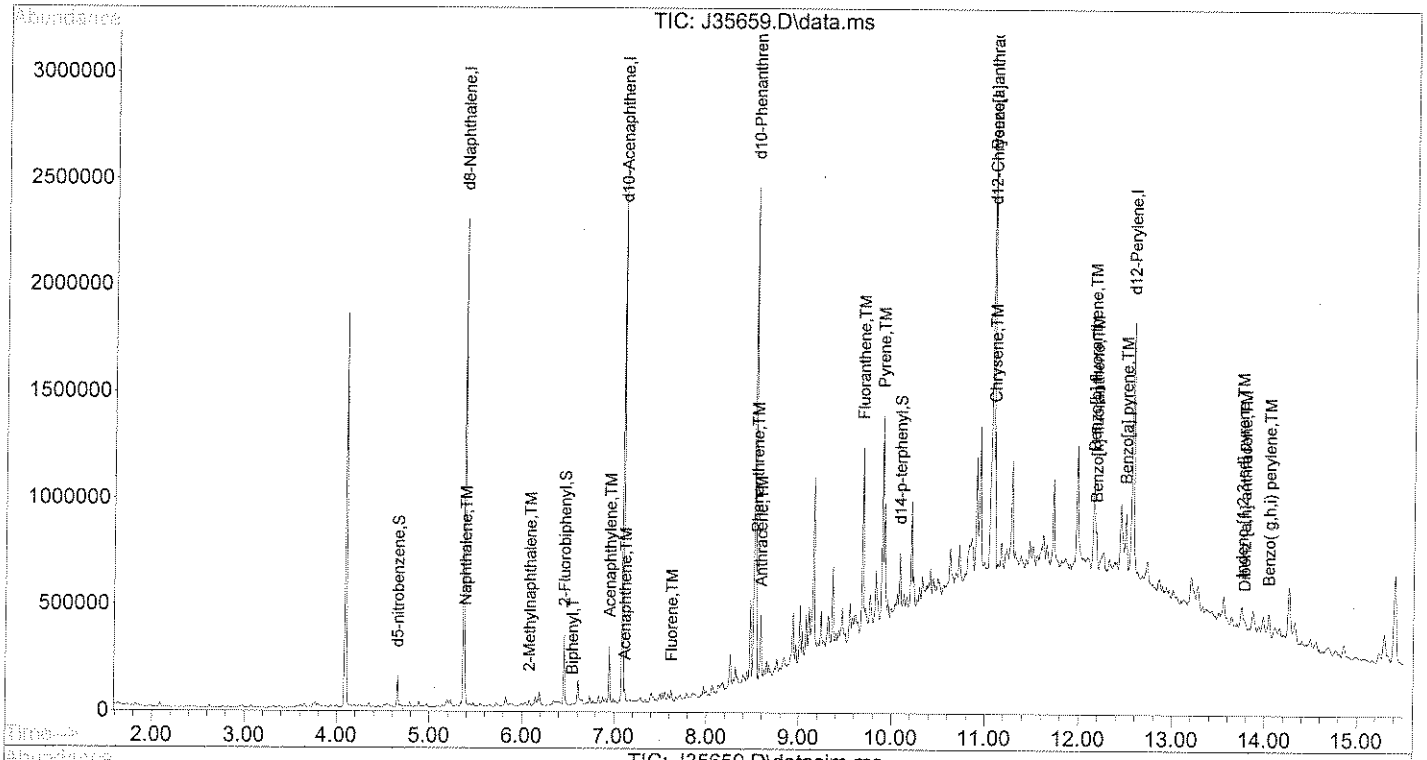
Authorized signature

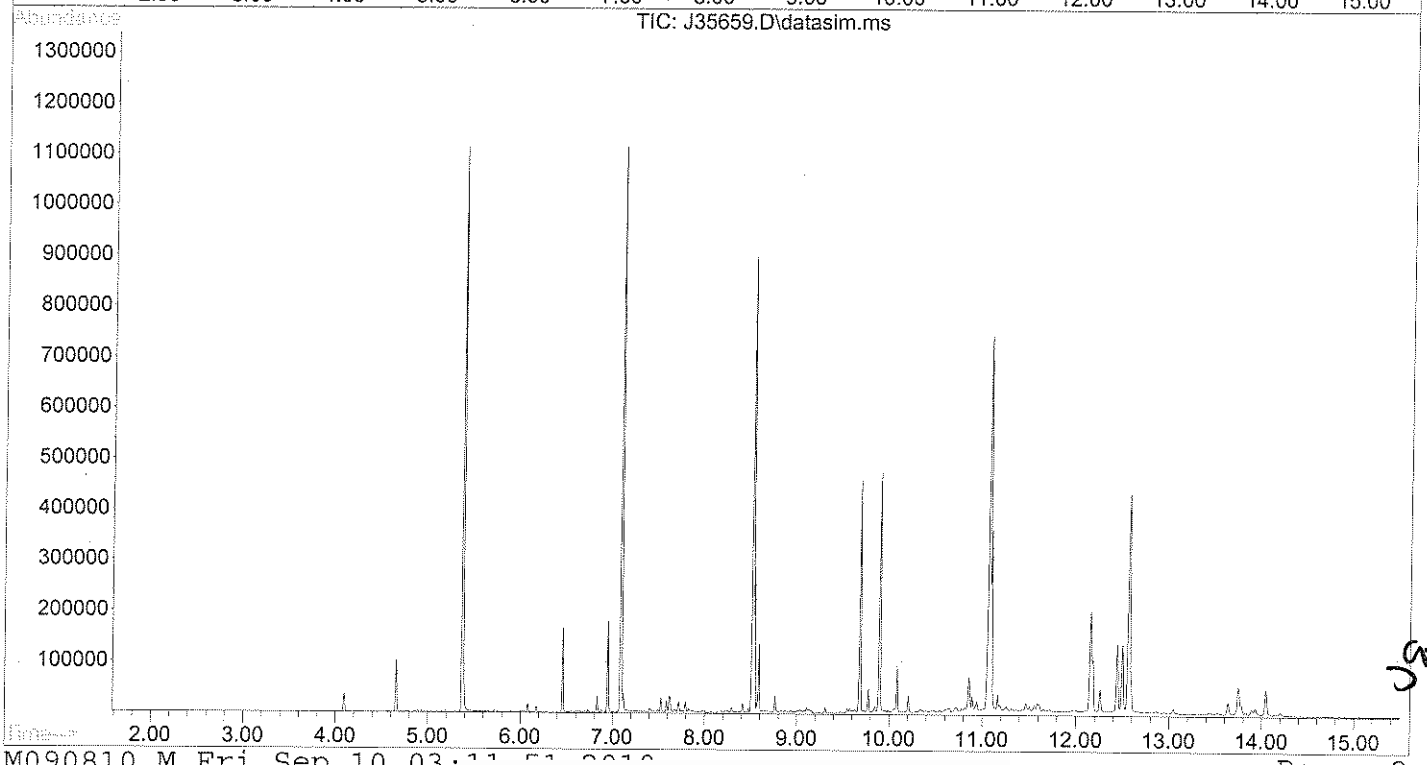
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090910-J\
Data File : J35659.D
Acq On : 9 Sep 2010 9:59 pm
Operator : AR/MG
Sample : 67660-4
Misc : SOIL
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 10 03:11:40 2010
Quant Method : C:\msdchem\1\METHODS\SIM090810.M
Quant Title : ABN SIM
QLast Update : Thu Sep 09 02:22:34 2010
Response via : Initial Calibration

9/10/10





J91400

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Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

September 14, 2010

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-441

SAMPLE DATA

Lab Sample ID: 67660-5 SIM
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 09/01/10
Lab Receipt Date: 09/02/10
Extraction Date: 09/07/10
Analysis Date: 09/09/10

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	7	**271**
Acenaphthylene	7	**377**
Acenaphthene	7	**250**
Fluorene	7	**296**
Phenanthrene	7	**2250 E**
Anthracene	7	**623**
Fluoranthene	7	**2040 E**
Pyrene	7	**2440 E**
Benzo[a]anthracene	7	**2060 E**
Chrysene	7	**1320**
Benzo[b] fluoranthene	7	**2600 E**
Benzo[k] fluoranthene	7	**620**
Benzo[a] pyrene	7	**1290**
Dibenz [a,h] anthracene	7	**135**
Benzo(g,h,i) perylene	7	**414**
Indeno [1,2,3-cd] pyrene	7	**589**
2-Methylnaphthalene	7	**147**

Surrogate Standard Recovery

d5-nitrobenzene	52 %	2-Fluorobiphenyl	60 %	d14-p-terphenyl	88 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis. Sample had low recovery of internal standard d12-Perylene. Sample was reanalyzed with similar results.

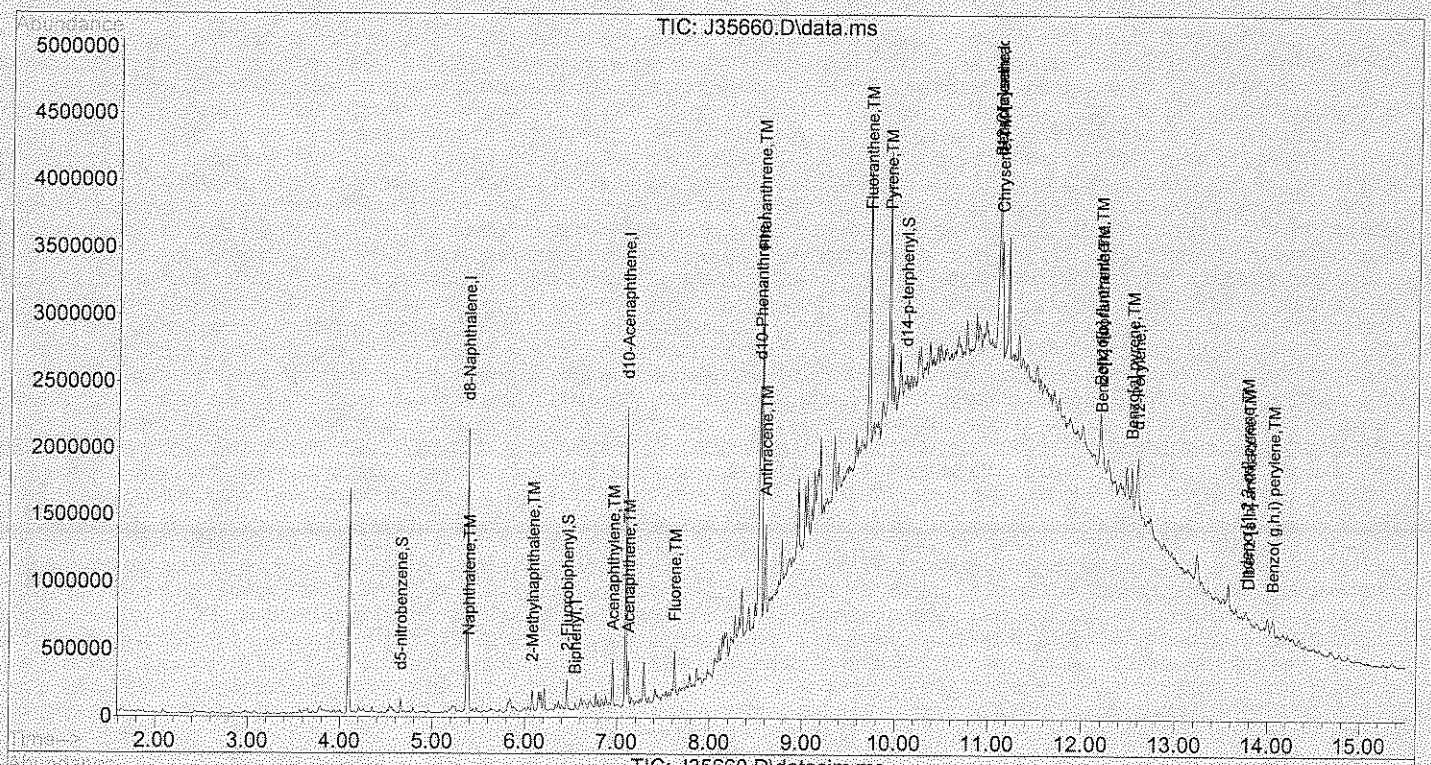
Authorized signature

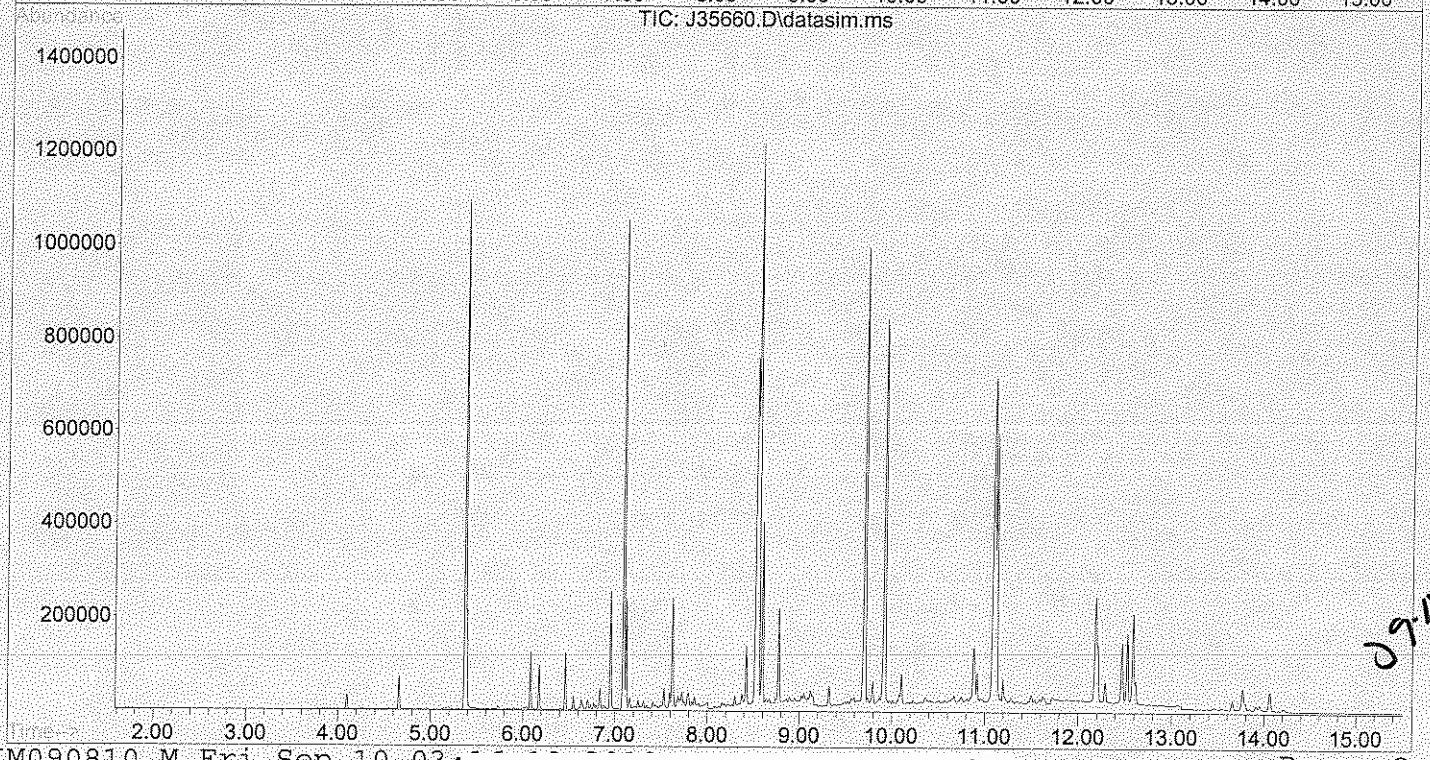
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090910-J\
Data File : J35660.D
Acq On : 9 Sep 2010 10:20 pm
Operator : AR/MG
Sample : 67660-5
Misc : SOIL
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 10 03:16:01 2010
Quant Method : C:\msdchem\1\METHODS\SIM090810.M
Quant Title : ABN SIM
QLast Update : Thu Sep 09 02:22:34 2010
Response via : Initial Calibration

MK 9/10/10





9-10-10

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September 14, 2010

SAMPLE DATA

Lab Sample ID: 67660-5
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 09/01/10
Lab Receipt Date: 09/02/10
Extraction Date: 09/07/10
Analysis Date: 09/09/10

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-441

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	250	**314**
Acenaphthylene	250	**446**
Acenaphthene	250	**282**
Fluorene	250	**352**
Phenanthrene	250	**3430**
Anthracene	250	**780**
Fluoranthene	250	**3170**
Pyrene	250	**3650**
Benzo[a]anthracene	250	**1900**
Chrysene	250	**1820**
Benzo[b] fluoranthene	250	**3160**
Benzo[k] fluoranthene	250	**836**
Benzo[a] pyrene	250	**1630**
Dibenz [a,h] anthracene	250	**235 J**
Benzo(g,h,i) perylene	250	**541**
Indeno [1,2,3-cd] pyrene	250	**709**
2-Methylnaphthalene	250	**159 J**

Surrogate Standard Recovery

d5-nitrobenzene	52 %	2-Fluorobiphenyl	60 %	d14-p-terphenyl	88 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS: Results are expressed on a dry weight basis. Surrogate recoveries reported from PAH SIM analysis. Sample had low recovery of internal standard d12-Perylene. Sample was reanalyzed with similar results.

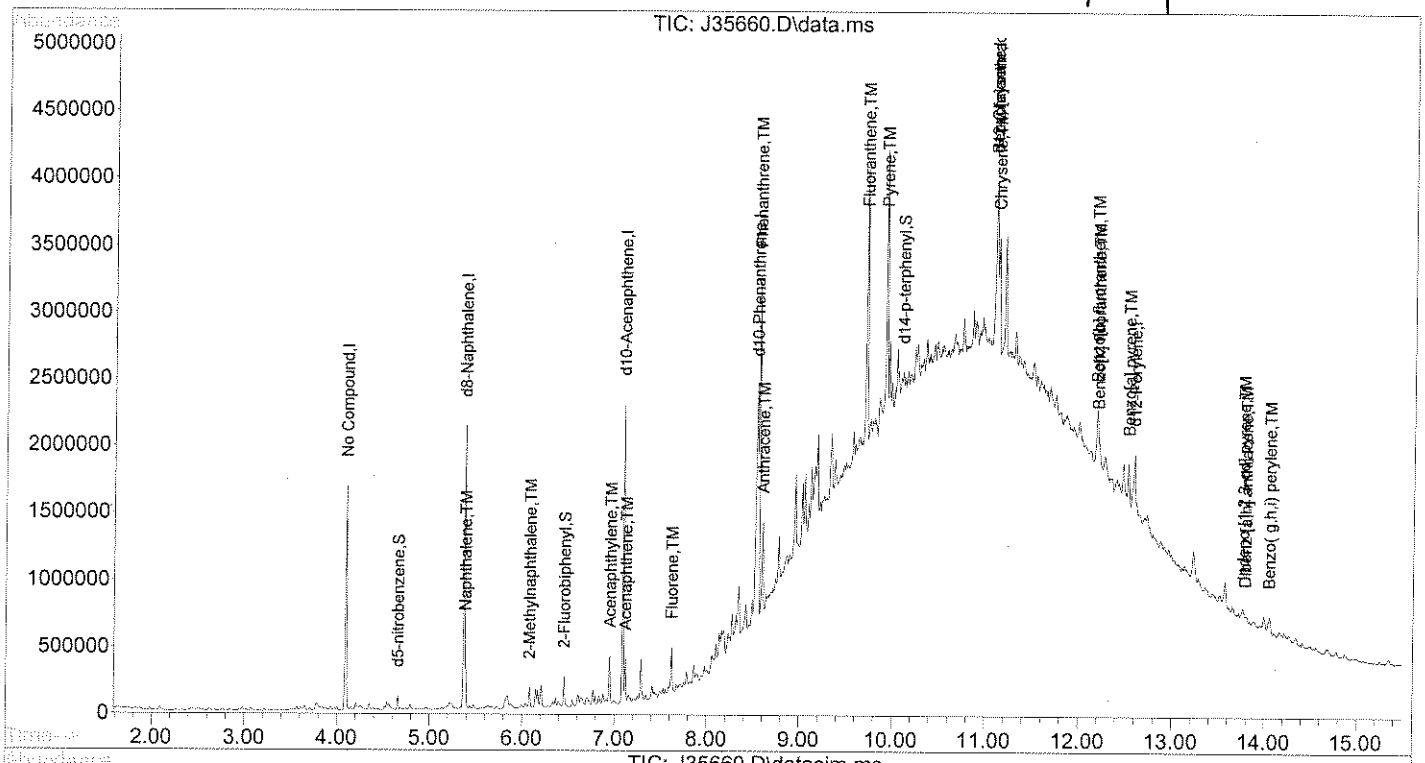
Authorized signature

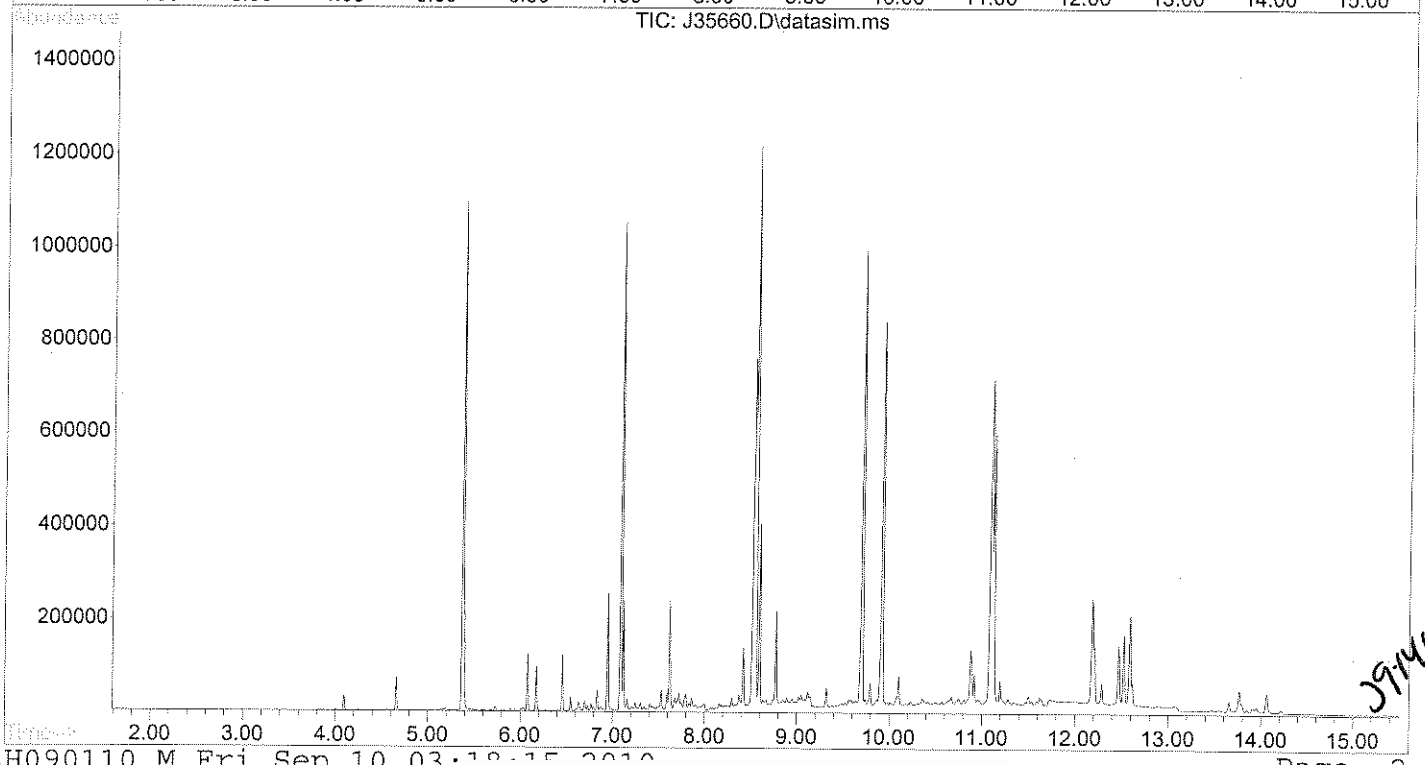
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090910-J\
Data File : J35660.D
Acq On : 9 Sep 2010 10:20 pm
Operator : AR/MG
Sample : 67660-5
Misc : SOIL
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 10 03:18:03 2010
Quant Method : C:\msdchem\1\METHODS\PAH090110.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Sep 09 02:05:12 2010
Response via : Initial Calibration

9/10/10





J9/10

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September 14, 2010

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-415

SAMPLE DATA

Lab Sample ID: 67660-6 SIM
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 09/01/10
Lab Receipt Date: 09/02/10
Extraction Date: 09/07/10
Analysis Date: 09/09/10

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Naphthalene	7	**198**
Acenaphthylene	7	**2070**
Acenaphthene	7	**133**
Fluorene	7	**364**
Phenanthrene	7	**1310**
Anthracene	7	**1270**
Fluoranthene	7	**2520 E**
Pyrene	7	**3860 E**
Benzo[a]anthracene	7	N/A
Chrysene	7	**2230 E**
Benzo[b] fluoranthene	7	**6240 E**
Benzo[k] fluoranthene	7	**1340**
Benzo[a] pyrene	7	**3130 E**
Dibenz [a,h] anthracene	7	**330**
Benzo(g,h,i) perylene	7	**1360**
Indeno [1,2,3-cd] pyrene	7	**1590 E**
2-Methylnaphthalene	7	**152**

Surrogate Standard Recovery

d5-nitrobenzene	49	%	2-Fluorobiphenyl	62	%	d14-p-terphenyl	92	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
Results are expressed on a dry weight basis. Internal standard d12-Perylene had low recovery which is confirmed in the MS/MSD analyzed on this sample. N/A result is reported from the full scan analysis.

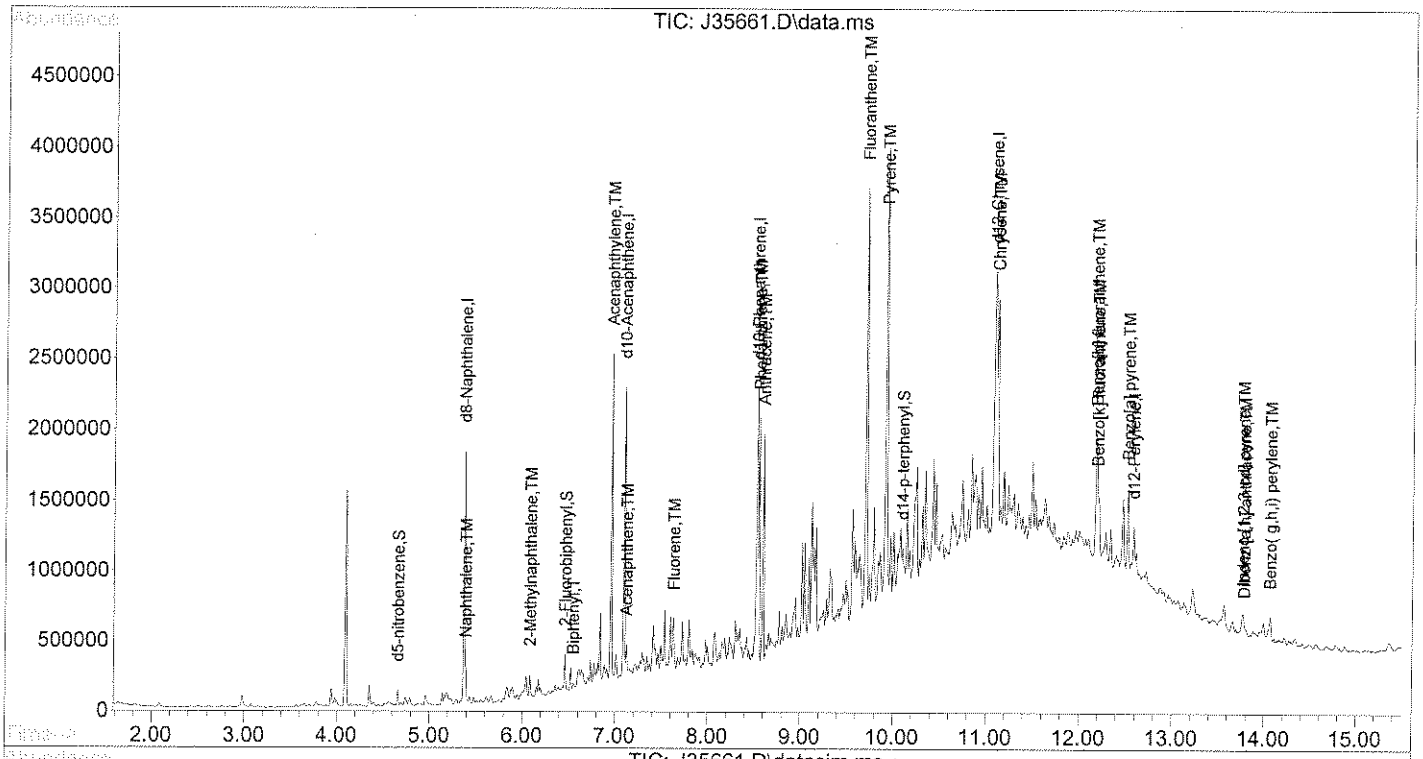
Authorized signature

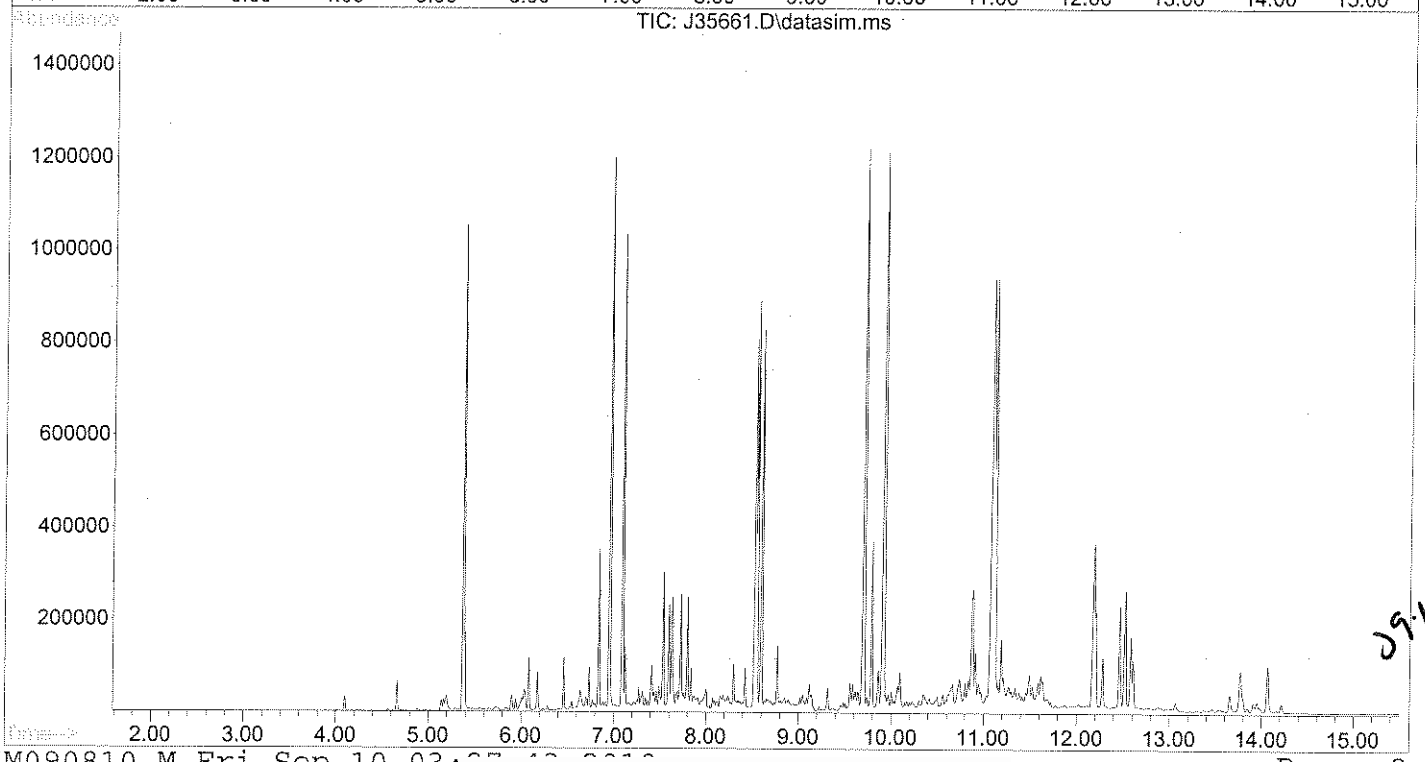
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090910-J\
Data File : J35661.D
Acq On : 9 Sep 2010 10:41 pm
Operator : AR/MG
Sample : 67660-6
Misc : SOIL
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 10 03:27:35 2010
Quant Method : C:\msdchem\1\METHODS\SIM090810.M
Quant Title : ABN SIM
QLast Update : Thu Sep 09 02:22:34 2010
Response via : Initial Calibration

9/10/10





J9.1KD

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September 14, 2010

SAMPLE DATA

Lab Sample ID:	67660-6 DL
Matrix:	Solid
Percent Solid:	96
Dilution Factor:	2.1
Collection Date:	09/01/10
Lab Receipt Date:	09/02/10
Extraction Date:	09/07/10
Analysis Date:	09/10/10

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-415

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	510	U
Acenaphthylene	510	**2930**
Acenaphthene	510	U
Fluorene	510	**409 J**
Phenanthrene	510	**1830**
Anthracene	510	**1560**
Fluoranthene	510	**4090**
Pyrene	510	**4930**
Benzo[a]anthracene	510	**3200**
Chrysene	510	**3080**
Benzo[b] fluoranthene	510	**6820**
Benzo[k] fluoranthene	510	**1770**
Benzo[a] pyrene	510	**4160**
Dibenz [a,h] anthracene	510	**560**
Benzo(g,h,i) perylene	510	**1640**
Indeno [1,2,3-cd] pyrene	510	**1910**
2-Methylnaphthalene	510	U

Surrogate Standard Recovery

d5-nitrobenzene	49 %	2-Fluorobiphenyl	62 %	d14-p-terphenyl	92 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to "Test Methods for Evaluating Solid Waste, SW-846 Method 8270c."

COMMENTS: Results are expressed on a dry weight basis. Surrogate recoveries reported from PAH SIM analysis. Internal standard d12-Perylene had low recovery which confirms in orginal SIM anlaysis.

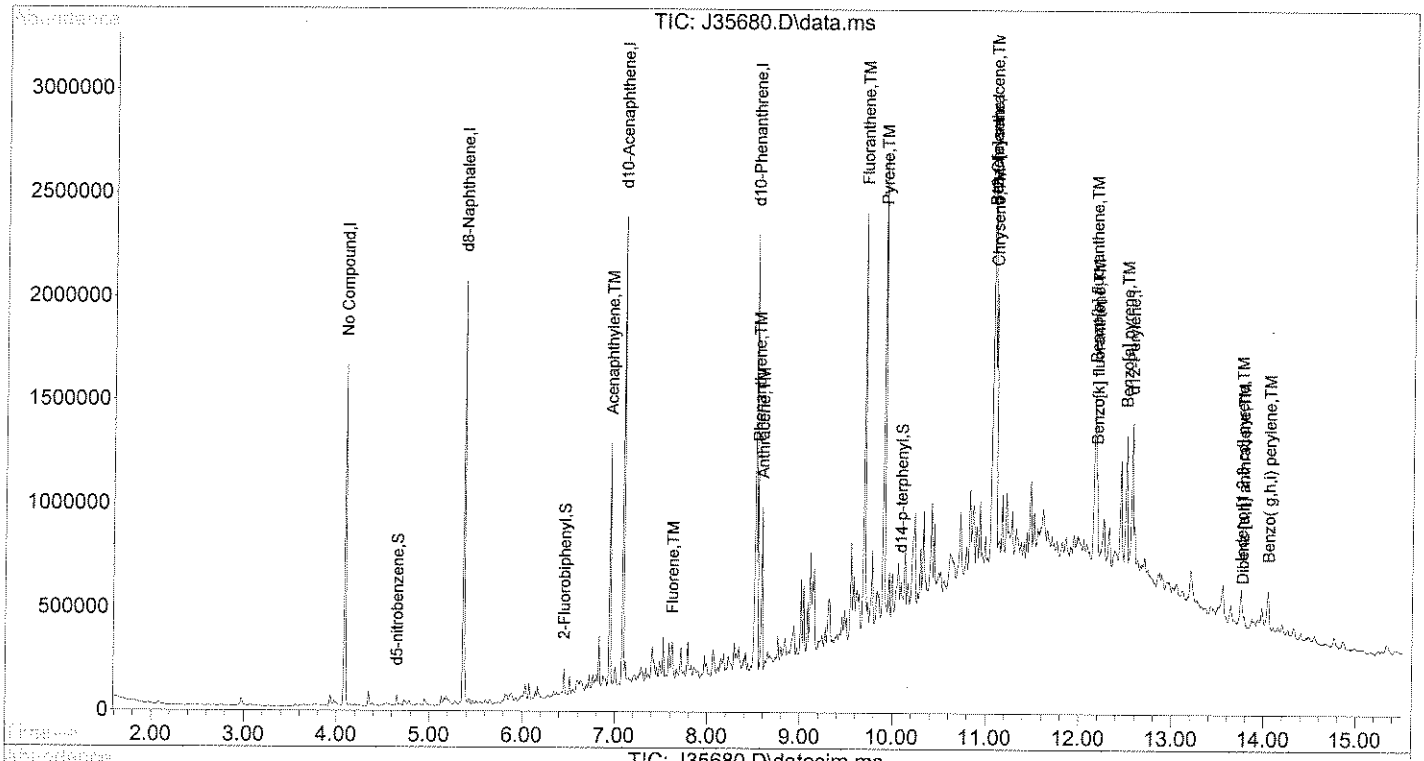
Authorized signature

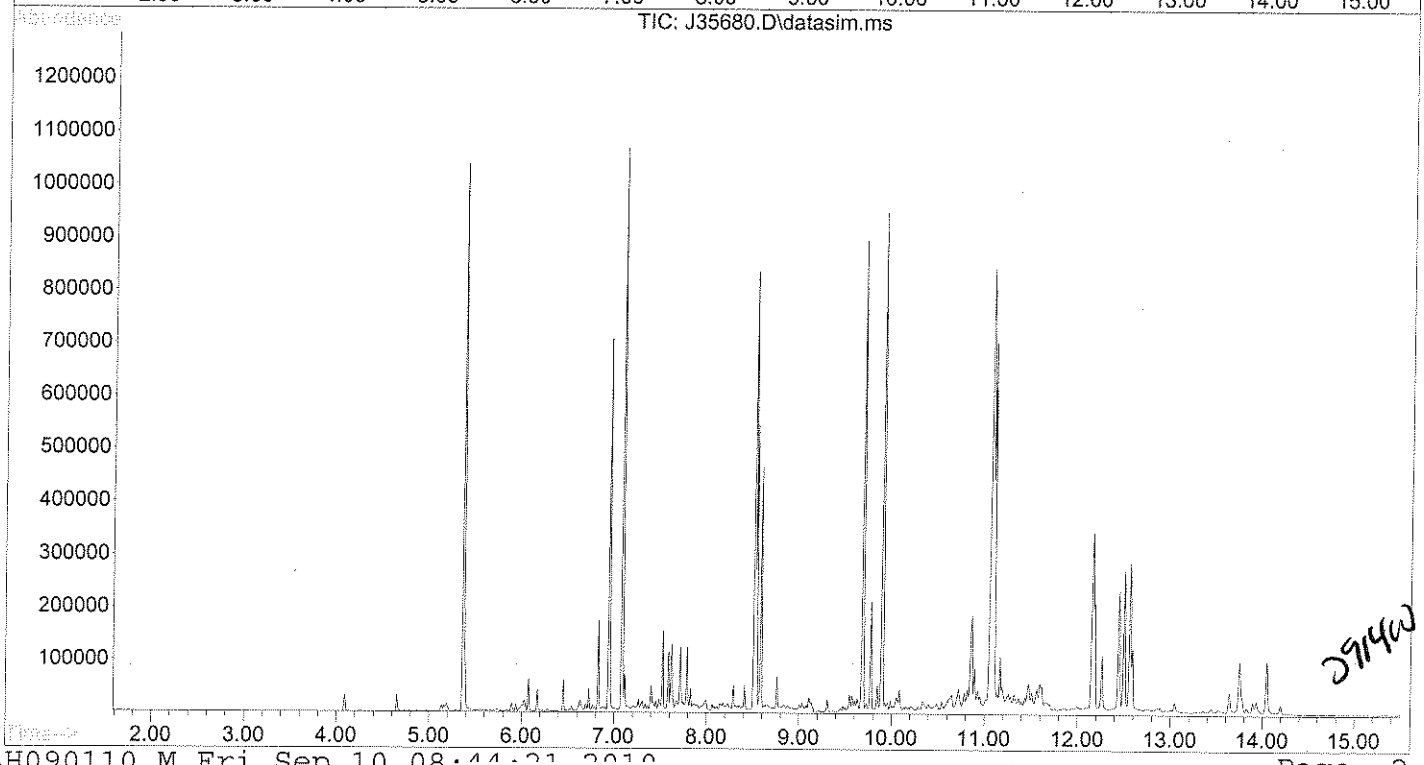
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090910-J\
Data File : J35680.D
Acq On : 10 Sep 2010 7:05 am
Operator : AR/MG
Sample : 67660-6,,1:2
Misc : SOIL
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 10 08:44:08 2010
Quant Method : C:\msdchem\1\METHODS\PAH090110.M
Quant Title : ABN FULL SCAN
QLast Update : Thu Sep 09 02:05:12 2010
Response via : Initial Calibration

9/10/10





39140

SEMI-VOLATILE
QC FORMS

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:SVOCQC.doc

SEMIVOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B090710SIMASE
Spike: L090710SIMASE
Spike duplicate: LD090710SIMASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	333	333	40	105	25	0	183	55		184	55		0	
2-Methylnaphthalene	333	333	45	105	25	0	187	56		190	57		1	
2-Chloronaphthalene	333	333	30	130	25	0	210	63		214	64		2	
Acenaphthylene	333	333	45	105	25	0	219	66		224	67		2	
Acenaphthene	333	333	45	110	25	0	205	61		209	63		2	
Fluorene	333	333	50	110	25	0	221	66		230	69		4	
Phenanthrene	333	333	50	110	25	0	232	70		236	71		2	
Anthracene	333	333	55	105	25	0	241	72		244	73		1	
Fluoranthene	333	333	50	115	25	0	279	84		281	85		1	
Pyrene	333	333	45	125	25	0	272	82		277	83		2	
Benzo[a]anthracene	333	333	50	110	25	0	288	87		295	89		2	
Chrysene	333	333	55	110	25	0	269	81		270	81		0	
Benzo[b] fluoranthene	333	333	45	115	25	0	313	94		325	97		4	
Benzo[k] fluoranthene	333	333	45	125	25	0	289	87		287	86		1	
Benzo[a] pyrene	333	333	50	110	25	0	298	90		303	91		1	
Indeno [1,2,3-cd] pyrene	333	333	40	120	25	0	309	93		316	95		2	
Dibenz [a,h] anthracene	333	333	40	125	25	0	292	88		298	90		2	
Benzo(g,h,i) perylene	333	333	40	125	25	0	294	88		300	90		2	

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

SEMIVOLATILE ORGANIC SOIL
MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: J
GC Column: ZB-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 67660-2
Spike: 67660-2,MS
Spike duplicate: 67660-2,MSD

COMPOUND	MS SPIKE ADDED (ug/kg)	MSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
Naphthalene	337	332	40	105	25	144	363	65		381	71		5	
2-Methylnaphthalene	337	332	45	105	25	127	348	66		367	72		5	
2-Chloronaphthalene	337	332	30	130	25	0	275	82		261	79		5	
Acenaphthylene	337	332	45	105	25	871	982	33	*	1205	101		20	
Acenaphthene	337	332	45	110	25	104	380	82		423	96		11	
Fluorene	337	332	50	110	25	149	409	77		462	94		12	
Phenanthrene	337	332	50	110	25	774	967	57		1387	185	*	36	*
Anthracene	337	332	55	105	25	527	734	61		979	136	*	29	*
Fluoranthene	337	332	50	115	25	1440 E	1491	15	*	2377	282	*	46	*
Pyrene	337	332	45	125	25	1645 E	1810	49		3134	448	*	54	*
Benzo[a]anthracene	337	332	50	110	25	3200 E	2704	-147	*	-2654	-1763	*	21344	*
Chrysene	337	332	55	110	25	1318 E	1355	11	*	2258	283	*	50	*
Benzo[b] fluoranthene	337	332	45	115	25	2738 E	3076	100		5318	777	*	53	*
Benzo[k] fluoranthene	337	332	45	125	25	628	1085	135	*	1467	253	*	30	*
Benzo[a] pyrene	337	332	50	110	25	1519 E	1553	10	*	2708	358	*	54	*
Indeno [1,2,3-cd] pyrene	337	332	40	120	25	966	725	-71	*	1272	92		55	*
Dibenz [a,h] anthracene	337	332	40	125	25	207	223	5	*	351	43		45	*
Benzo(g,h,i) perylene	337	332	40	125	25	720	516	-61	*	923	61		56	*

Column to be used to flag recovery and RPD values outside of QC limits
* Values outside QC limits

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments:

PCB
DATA SUMMARIES

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Yarmouth, ME 04096-1107

September 14, 2010

SAMPLE DATA

Lab Sample ID: B090710PSOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/07/10
Analysis Date: 09/08/10

CLIENT SAMPLE ID

Project Name: SME 956-10
Project Number:
Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	95	%
Decachlorobiphenyl	64	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

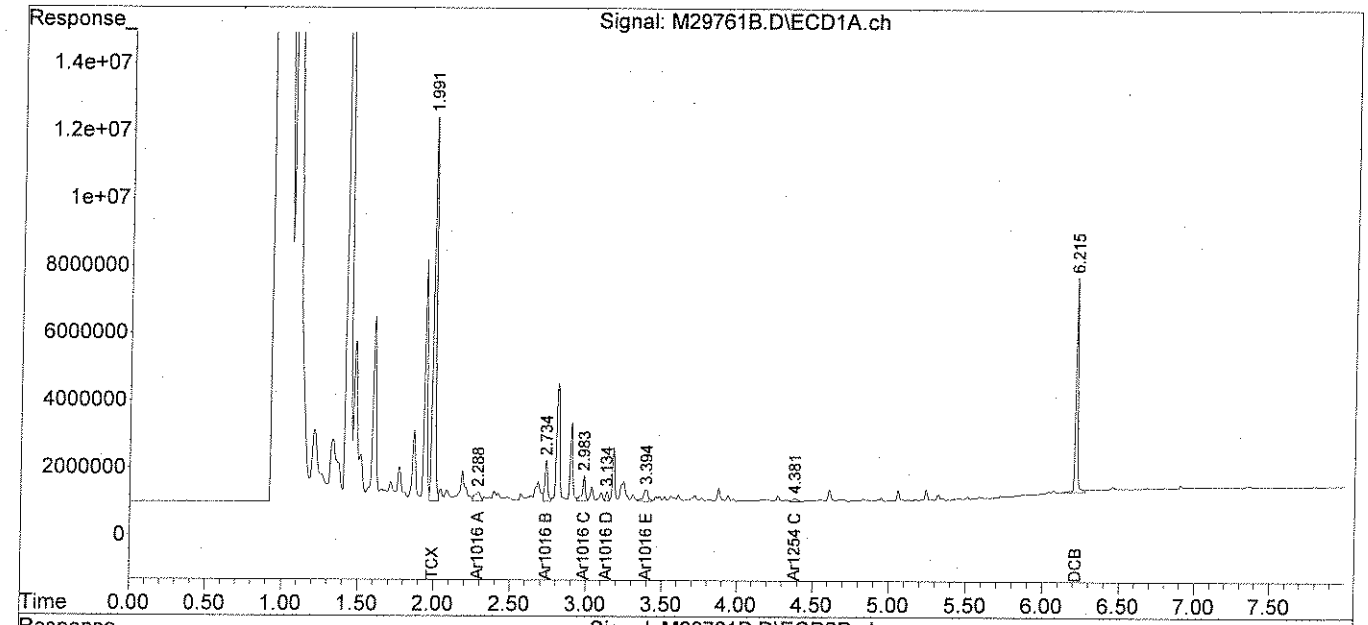
Authorized signature

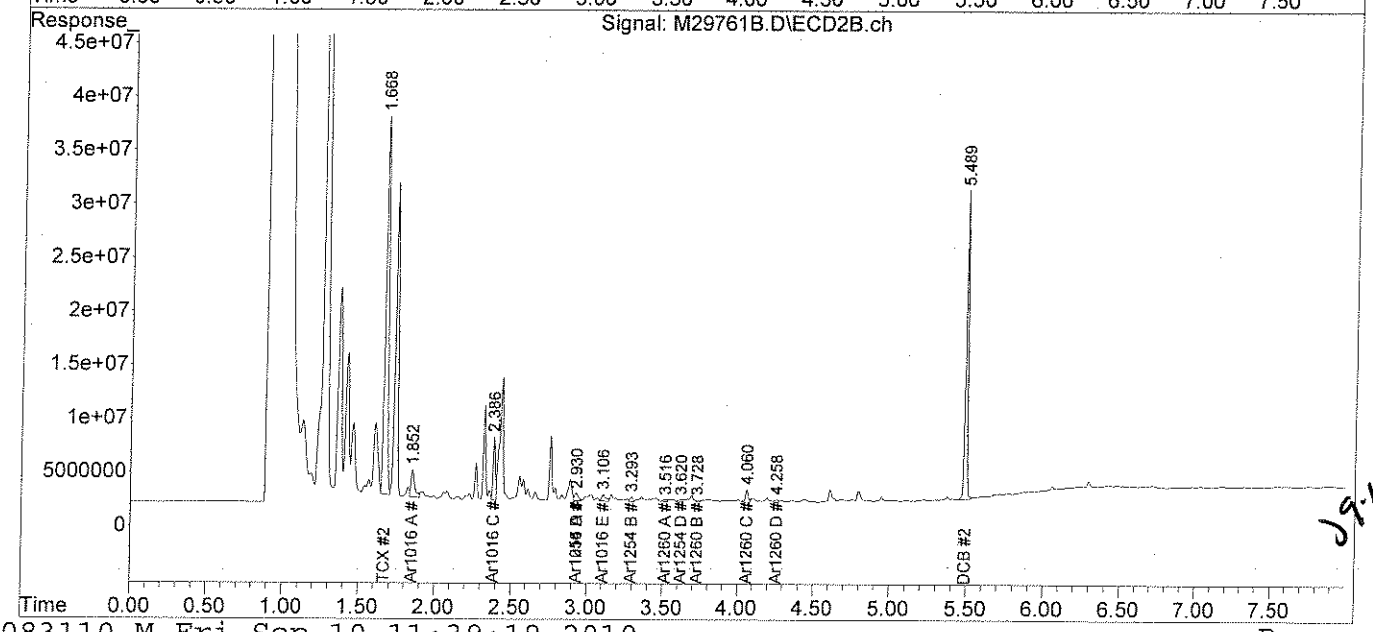
Data Path : C:\msdchem\1\DATA\090810-M\
Data File : M29761B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 8 Sep 2010 3:33 pm
Operator : JK
Sample : B090710PSOX,,A/C
Misc : SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 11:39:13 2010
Quant Method : C:\msdchem\1\METHODS\PCB083110.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Wed Sep 01 08:14:15 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 09-10-10





JL 09-10-10

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September 14, 2010

SAMPLE DATA

Lab Sample ID: B090710PSOX RR2
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 09/07/10
Analysis Date: 09/09/10

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: Lab QC

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	122	%
Decachlorobiphenyl	61	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

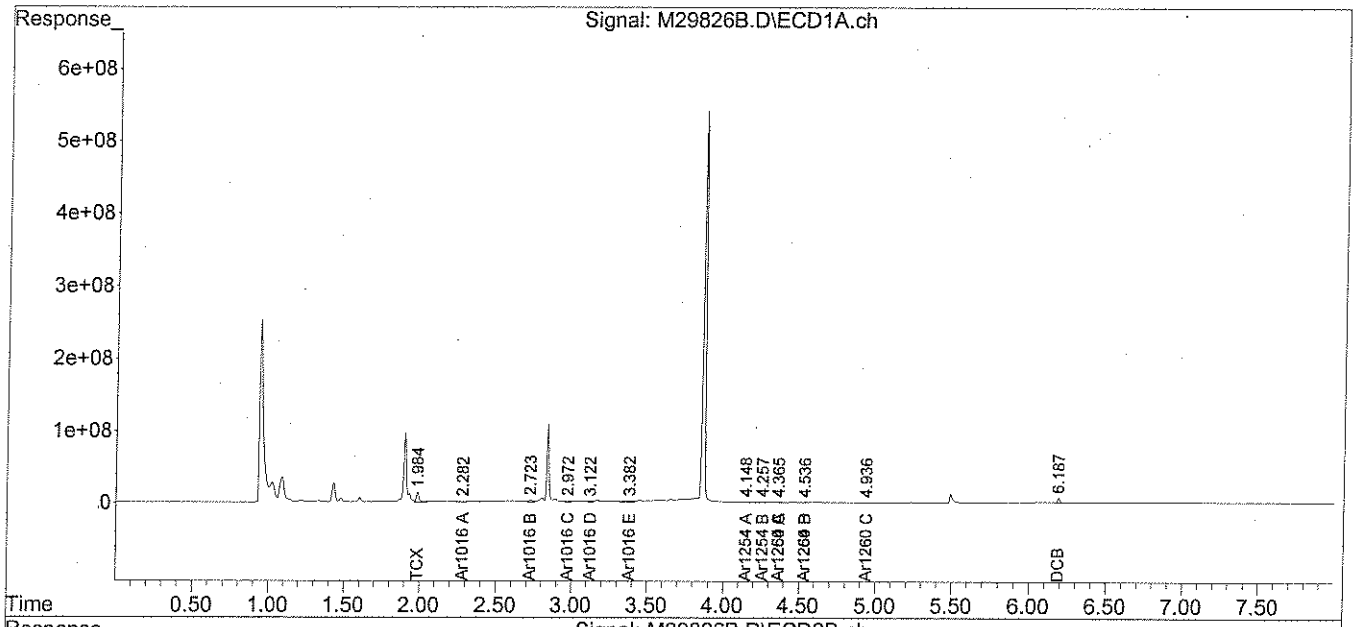
Authorized signature

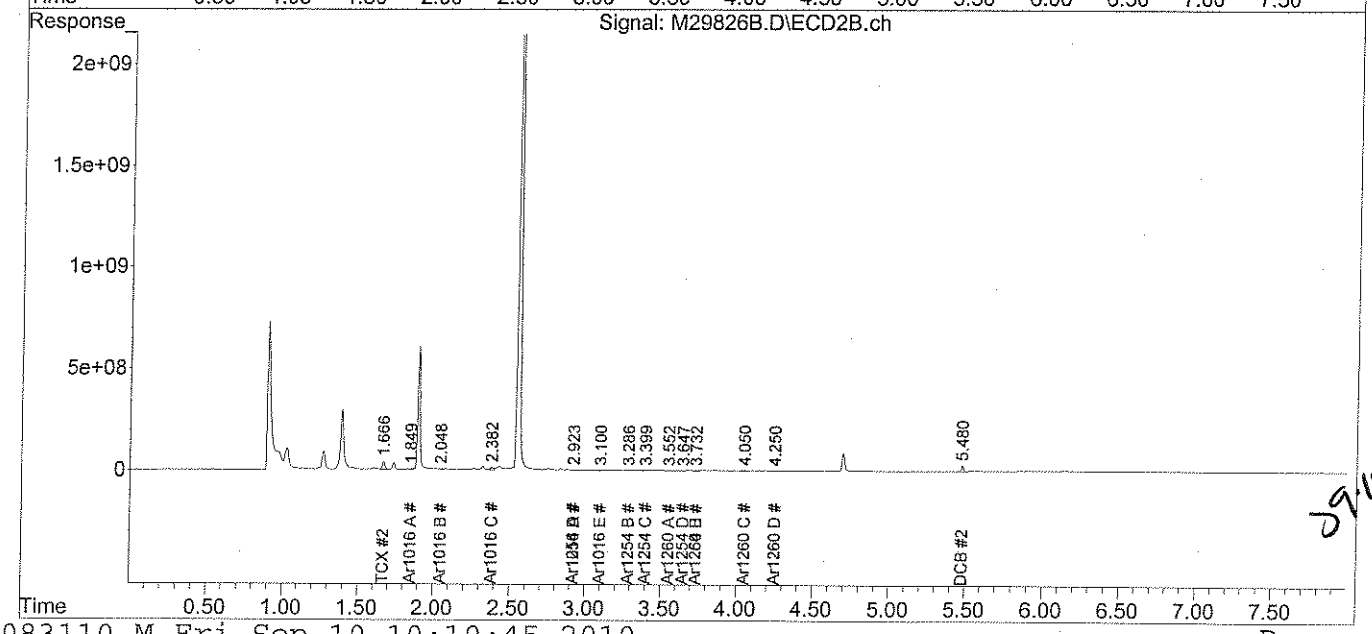
Data Path : C:\msdchem\1\DATA\090910-M\
Data File : M29826B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Sep 2010 6:49 pm
Operator : JK
Sample : B090710PSOX,RR2,,A/C
Misc : SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:10:44 2010
Quant Method : C:\msdchem\1\METHODS\PCB083110.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Wed Sep 01 08:14:15 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JK 09.10.10





09/14/10

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
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800-929-9906

Mr. Herb Kodis
Maine Environmental Laboratory, Inc.
PO Box 1107
Yarmouth, ME 04096-1107

September 14, 2010

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-414

Lab Sample ID: 67660-1
Matrix: Solid
Percent Solid: 98
Dilution Factor: 1.0
Collection Date: 09/01/10
Lab Receipt Date: 09/02/10
Extraction Date: 09/07/10
Analysis Date: 09/09/10

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	93	%
Decachlorobiphenyl	65	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

Authorized signature

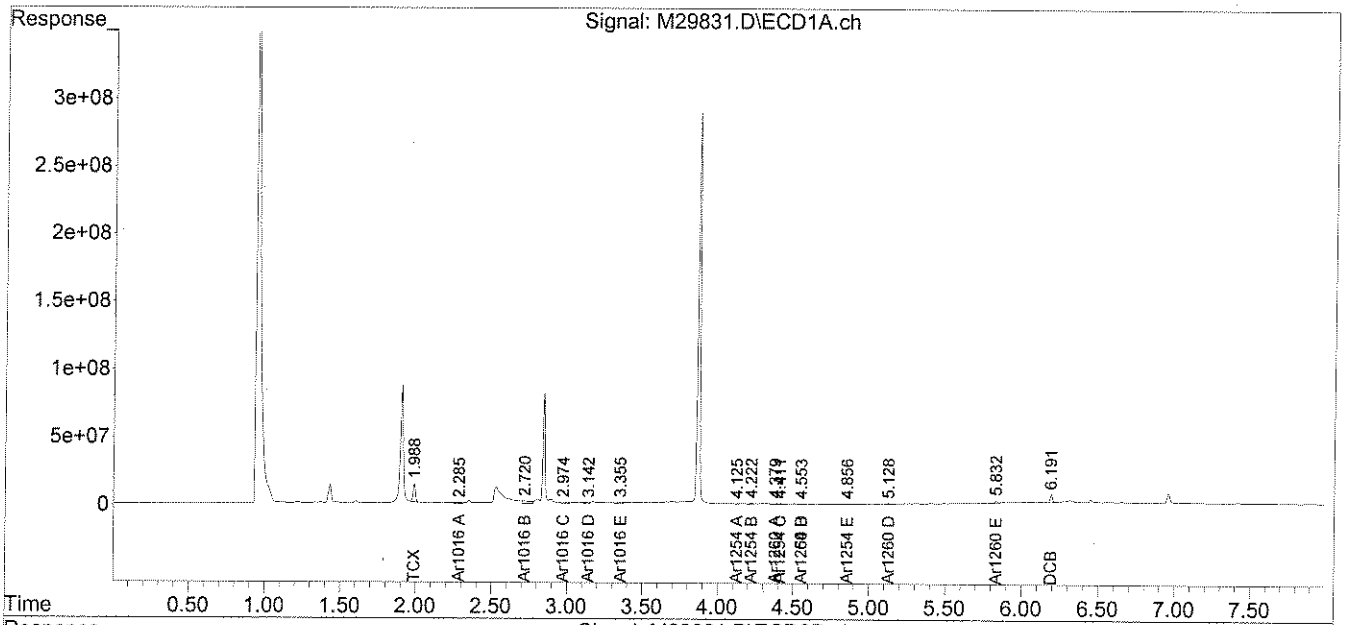
Quantitation Report (QT Reviewed)

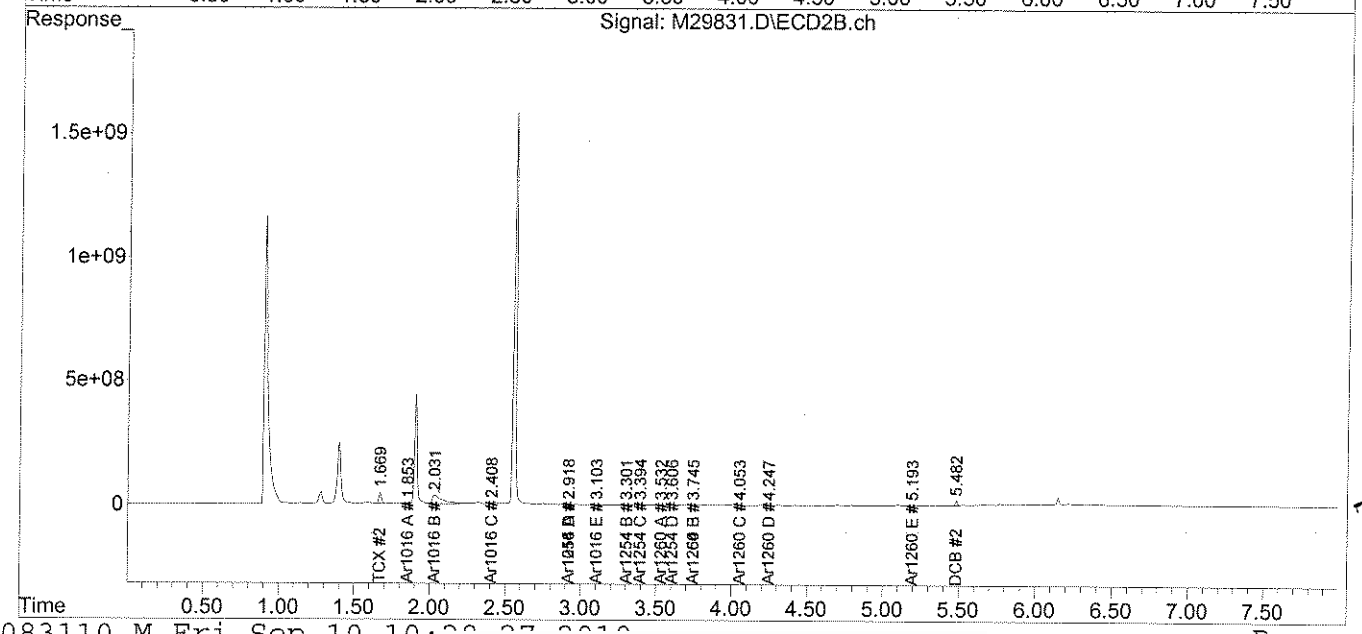
Data Path : C:\msdchem\1\DATA\090910-M\
Data File : M29831.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Sep 2010 7:41 pm
Operator : JK
Sample : 67660-1,,A/C
Misc : SOIL
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:28:18 2010
Quant Method : C:\msdchem\1\METHODS\PCB083110.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Wed Sep 01 08:14:15 2010
Response via : Initial Calibration
Integrator: ChemStation

CL 09-10-10

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





DJH 10

analytics environmental laboratory LLC

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Mr. Herb Kodis
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PO Box 1107
Yarmouth, ME 04096-1107

September 14, 2010

SAMPLE DATA

Lab Sample ID: 67660-2
Matrix: Solid
Percent Solid: 95
Dilution Factor: 1.0
Collection Date: 09/01/10
Lab Receipt Date: 09/02/10
Extraction Date: 09/07/10
Analysis Date: 09/09/10

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-412

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	U
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	84	%
Decachlorobiphenyl	64	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature

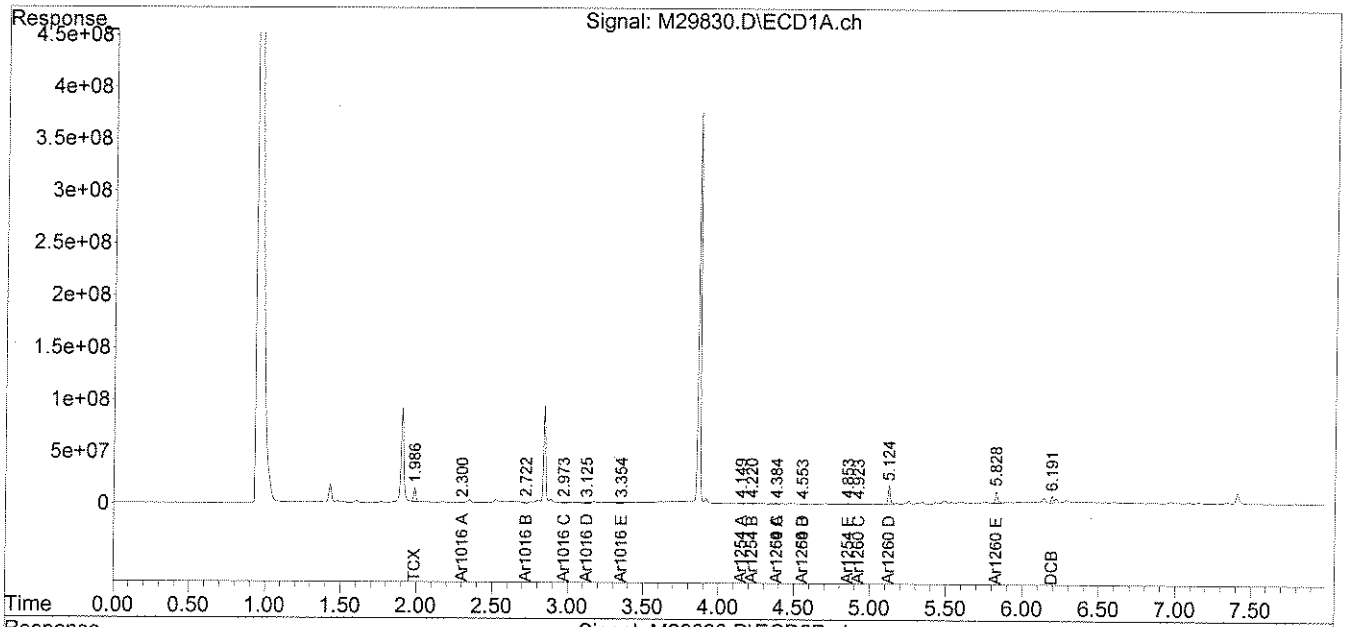
Quantitation Report (QT Reviewed)

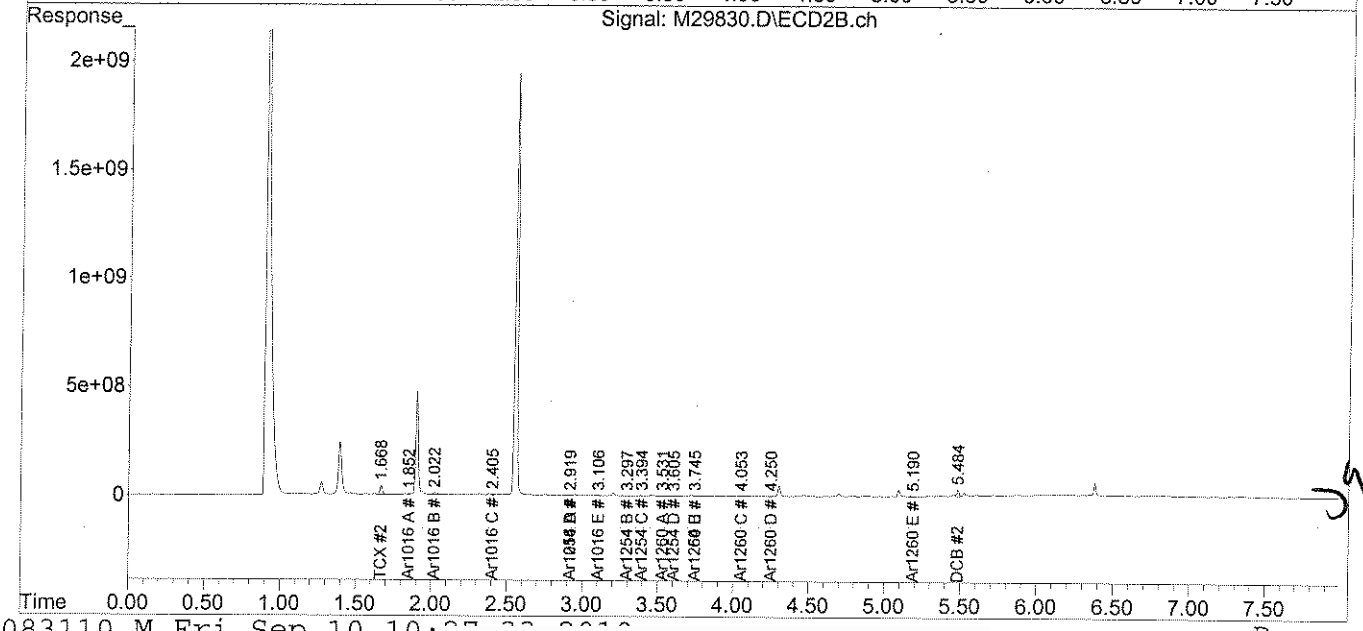
Data Path : C:\msdchem\1\DATA\090910-M\
Data File : M29830.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Sep 2010 7:30 pm
Operator : JK
Sample : 67660-2,,A/C
Misc : SOIL
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:27:21 2010
Quant Method : C:\msdchem\1\METHODS\PCB083110.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Wed Sep 01 08:14:15 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um

JL 09-10-10





JJ 9-14-10

analytics environmental laboratory LLC

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Mr. Herb Kodis
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PO Box 1107
Yarmouth, ME 04096-1107

September 14, 2010

SAMPLE DATA

Lab Sample ID: 67660-4
Matrix: Solid
Percent Solid: 89
Dilution Factor: 1.1
Collection Date: 09/01/10
Lab Receipt Date: 09/02/10
Extraction Date: 09/07/10
Analysis Date: 09/09/10

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-413

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	36	U
PCB-1221	36	U
PCB-1232	36	U
PCB-1242	36	U
PCB-1248	36	U
PCB-1254	36	**281**
PCB-1260	36	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	93	%
Decachlorobiphenyl	53	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67660
Sample: 67660-4,,A/C
Data File: M29829.D
Dilution Factor: 1.1

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	281	207	30.6	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

PCB FORM 10

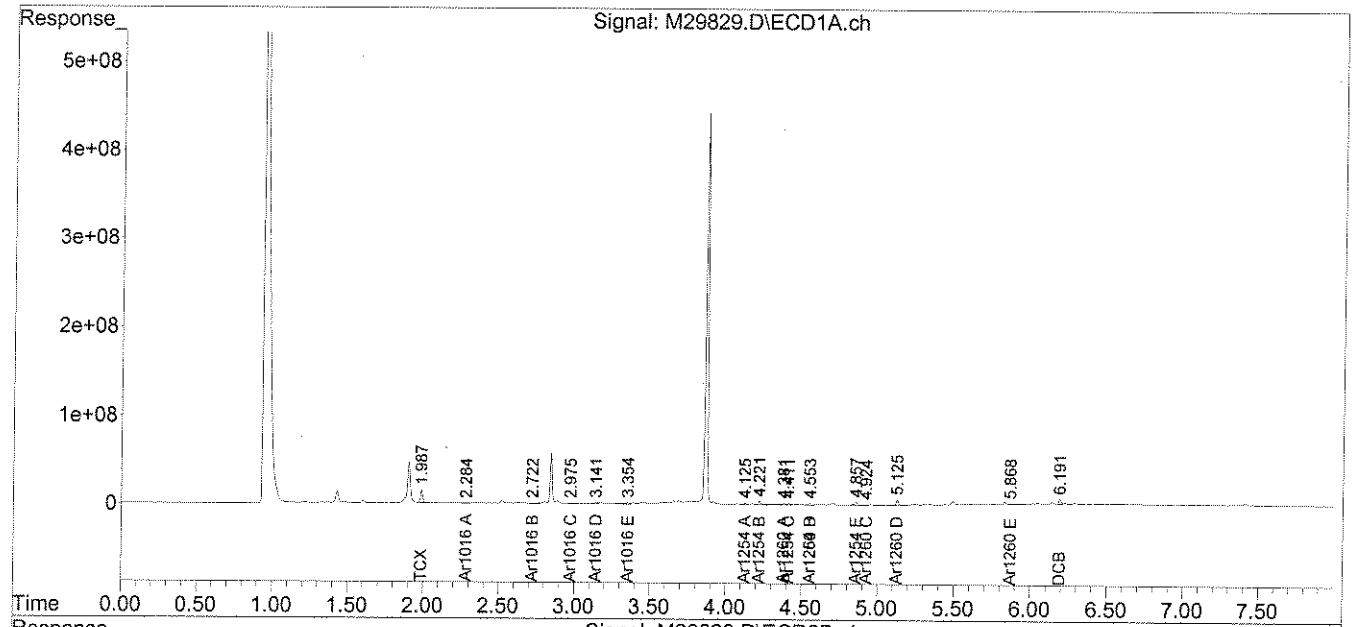
Quantitation Report (QT Reviewed)

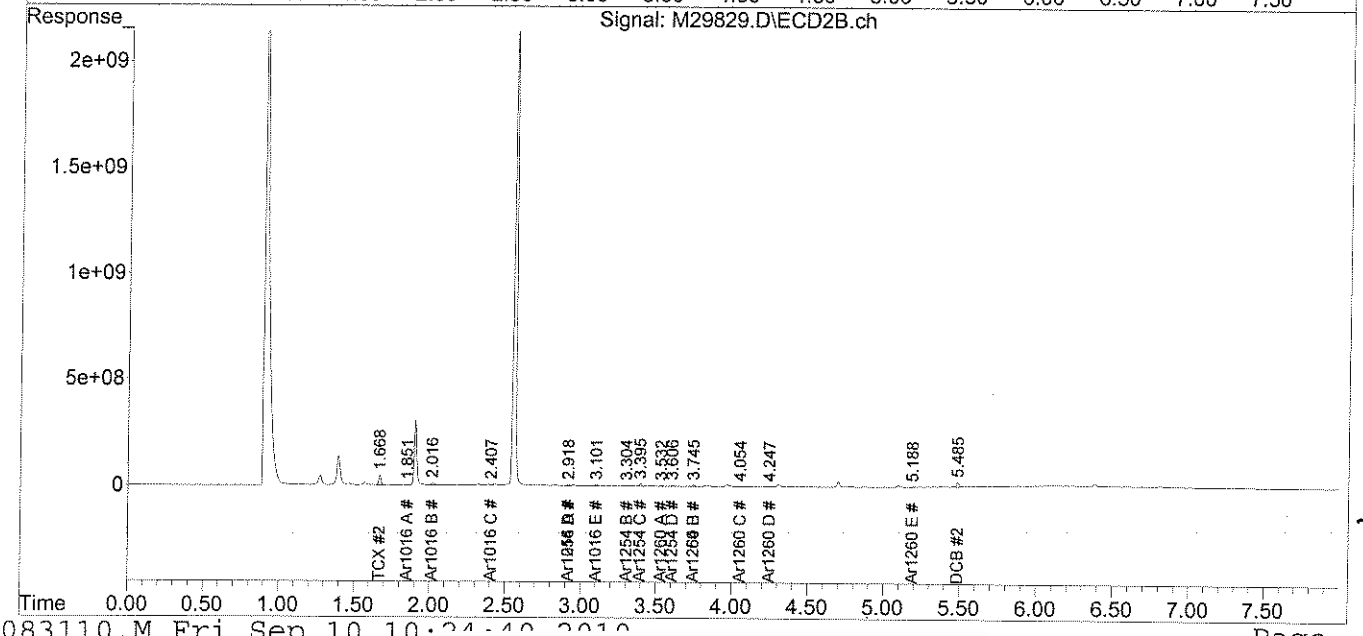
Data Path : C:\msdchem\1\DATA\090910-M\
Data File : M29829.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Sep 2010 7:20 pm
Operator : JK
Sample : 67660-4,,A/C
Misc : SOIL
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:24:27 2010
Quant Method : C:\msdchem\1\METHODS\PCB083110.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Wed Sep 01 08:14:15 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 09-10-10

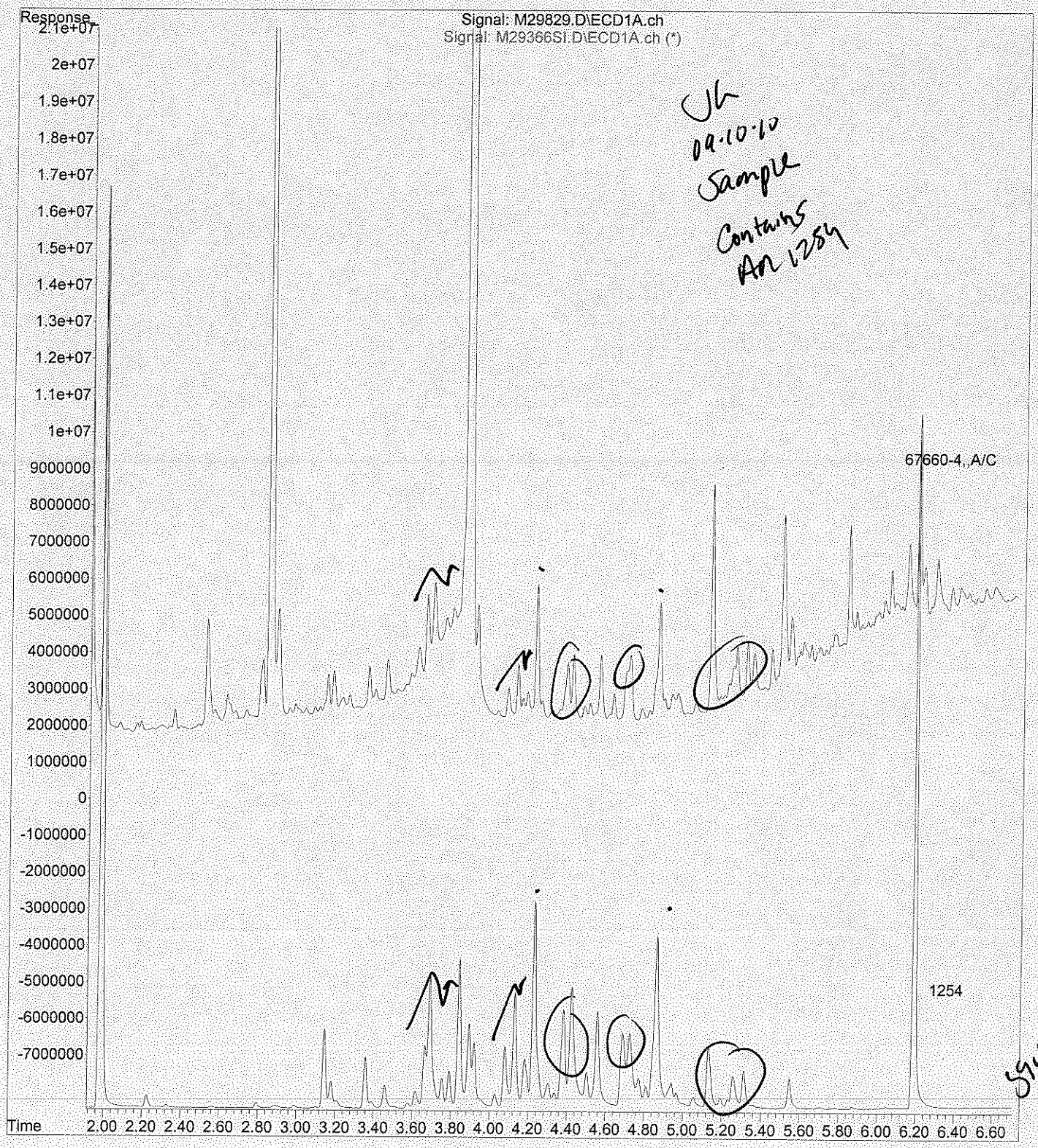
Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





09/11/10

File :C:\msdchem\1\DATA\090910-M\M29829.D
Operator : JK
Acquired : 9 Sep 2010 7:20 pm using AcqMethod PEST.M
Instrument : Instrument M
Sample Name: 67660-4,,A/C
Misc Info : SOIL
Vial Number: 35



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PO Box 1107
Yarmouth, ME 04096-1107

September 14, 2010

SAMPLE DATA

Lab Sample ID: 67660-5
Matrix: Solid
Percent Solid: 96
Dilution Factor: 4.9
Collection Date: 09/01/10
Lab Receipt Date: 09/02/10
Extraction Date: 09/07/10
Analysis Date: 09/09/10

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-441

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	160	U
PCB-1221	160	U
PCB-1232	160	U
PCB-1242	160	U
PCB-1248	160	U
PCB-1254	160	U
PCB-1260	160	**3530**

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	109	%
Decachlorobiphenyl	57	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67660
Sample: 67660-5,1:5,,A/C
Data File: M29828.D
Dilution Factor: 4.9

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	3533	2454	36.1	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

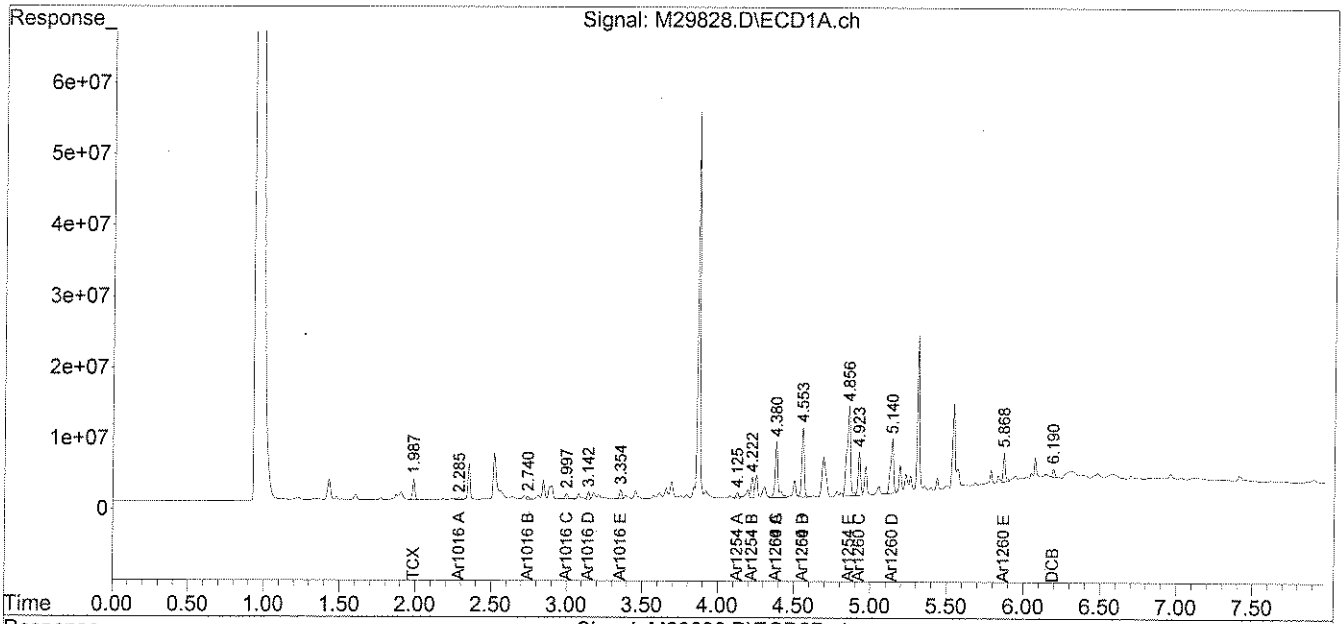
Comments: _____

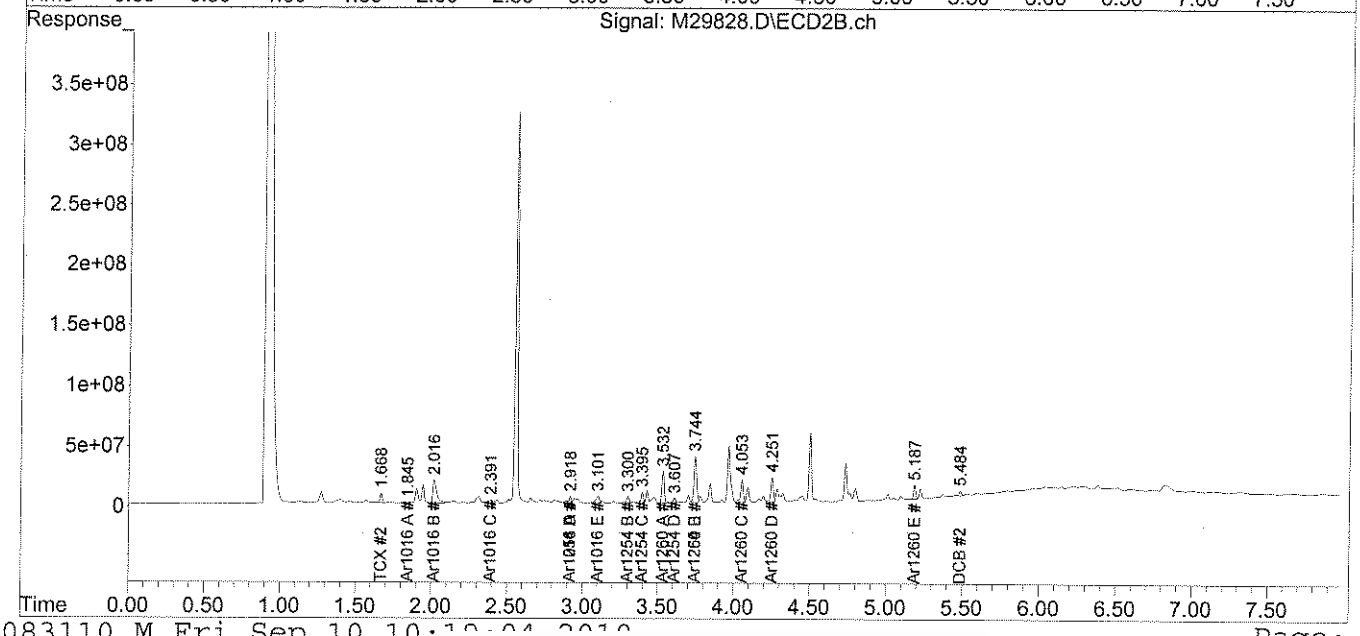
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\090910-M\
Data File : M29828.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Sep 2010 7:10 pm
Operator : JK
Sample : 67660-5,1:5,,A/C
Misc : SOIL
ALS Vial : 34 Sample Multiplier: 1

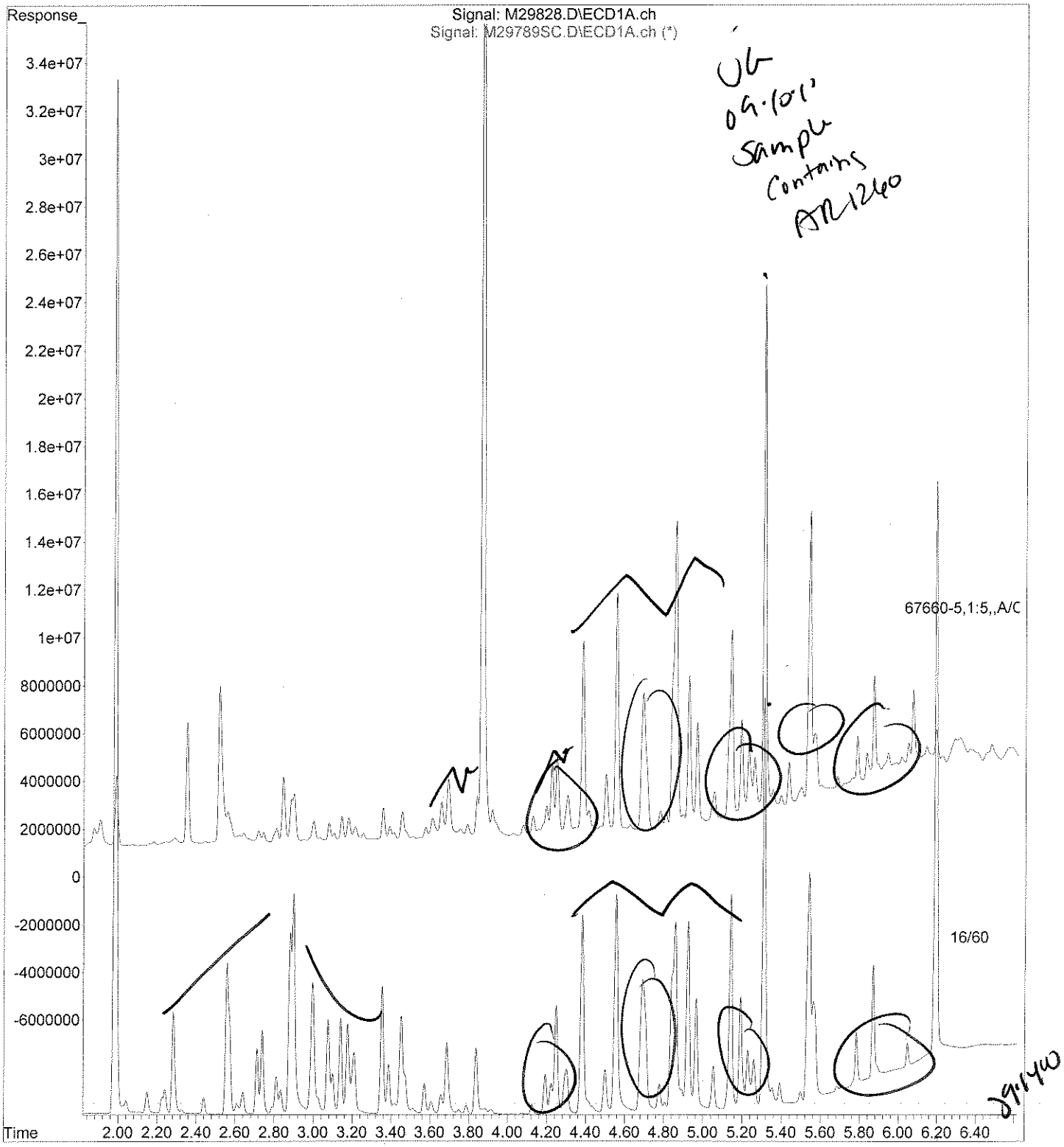
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:18:49 2010
Quant Method : C:\msdchem\1\METHODS\PCB083110.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Wed Sep 01 08:14:15 2010
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





File :C:\msdchem\1\DATA\090910-M\M29828.D
Operator : JK
Acquired : 9 Sep 2010 7:10 pm using AcqMethod PEST.M
Instrument : Instrument M
Sample Name: 67660-5,1:5,,A/C
Misc Info : SOIL
Vial Number: 34



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PO Box 1107
Yarmouth, ME 04096-1107

September 14, 2010

SAMPLE DATA

Lab Sample ID: 67660-6
Matrix: Solid
Percent Solid: 96
Dilution Factor: 1.0
Collection Date: 09/01/10
Lab Receipt Date: 09/02/10
Extraction Date: 09/07/10
Analysis Date: 09/09/10

CLIENT SAMPLE ID

Project Name: SME 956-10

Project Number:

Field Sample ID: SS-415

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	33	U
PCB-1221	33	U
PCB-1232	33	U
PCB-1242	33	U
PCB-1248	33	U
PCB-1254	33	**429**
PCB-1260	33	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	84	%
Decachlorobiphenyl	67	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS: Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Results are expressed on a dry weight basis.

PCB Report

Authorized signature

PCB
COLUMN RELATIVE PERCENT DIFFERENCE

Instrument ID: M
GC Column #1: STX-CLPesticides I
Column ID: 0.25 mm
GC Column #2: STX-CLPesticides II
Column ID: 0.25 mm

SDG: 67660
Sample: 67660-6,,A/C
Data File: M29827.D
Dilution Factor: 1.0

	Column #1	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1254	429	347	21.2	

Column to be used to flag RPD values greater than QC limit of 40%

* Values outside QC limits

Comments: _____

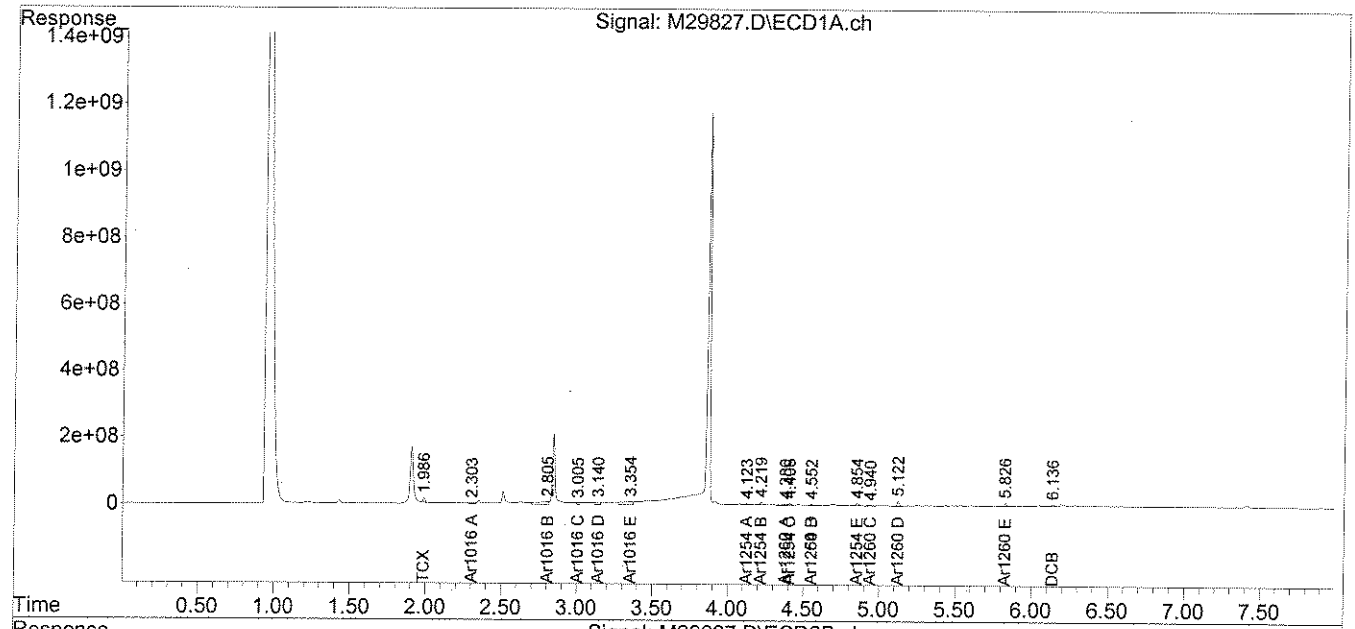
Quantitation Report (QT Reviewed)

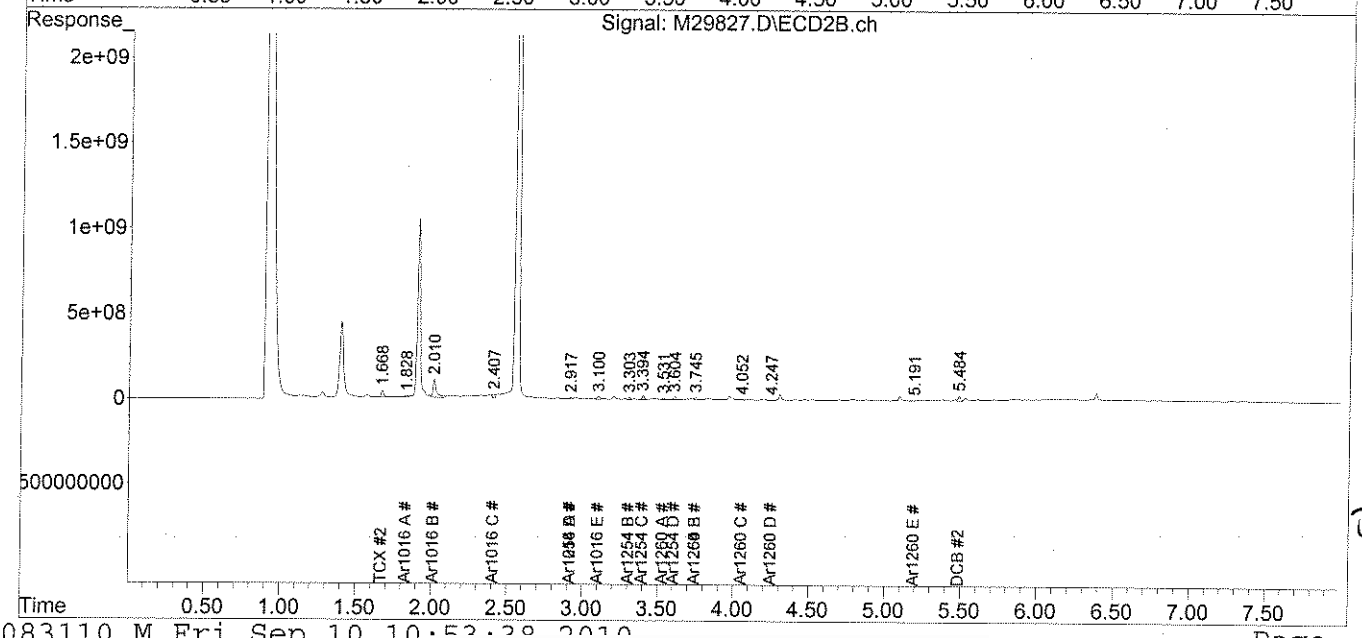
Data Path : C:\msdchem\1\DATA\090910-M\
Data File : M29827.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Sep 2010 7:00 pm
Operator : JK
Sample : 67660-6,,A/C
Misc : SOIL
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Sep 10 10:53:31 2010
Quant Method : C:\msdchem\1\METHODS\PCB083110.M
Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
QLast Update : Wed Sep 01 08:14:15 2010
Response via : Initial Calibration
Integrator: ChemStation

JL 09-10-10

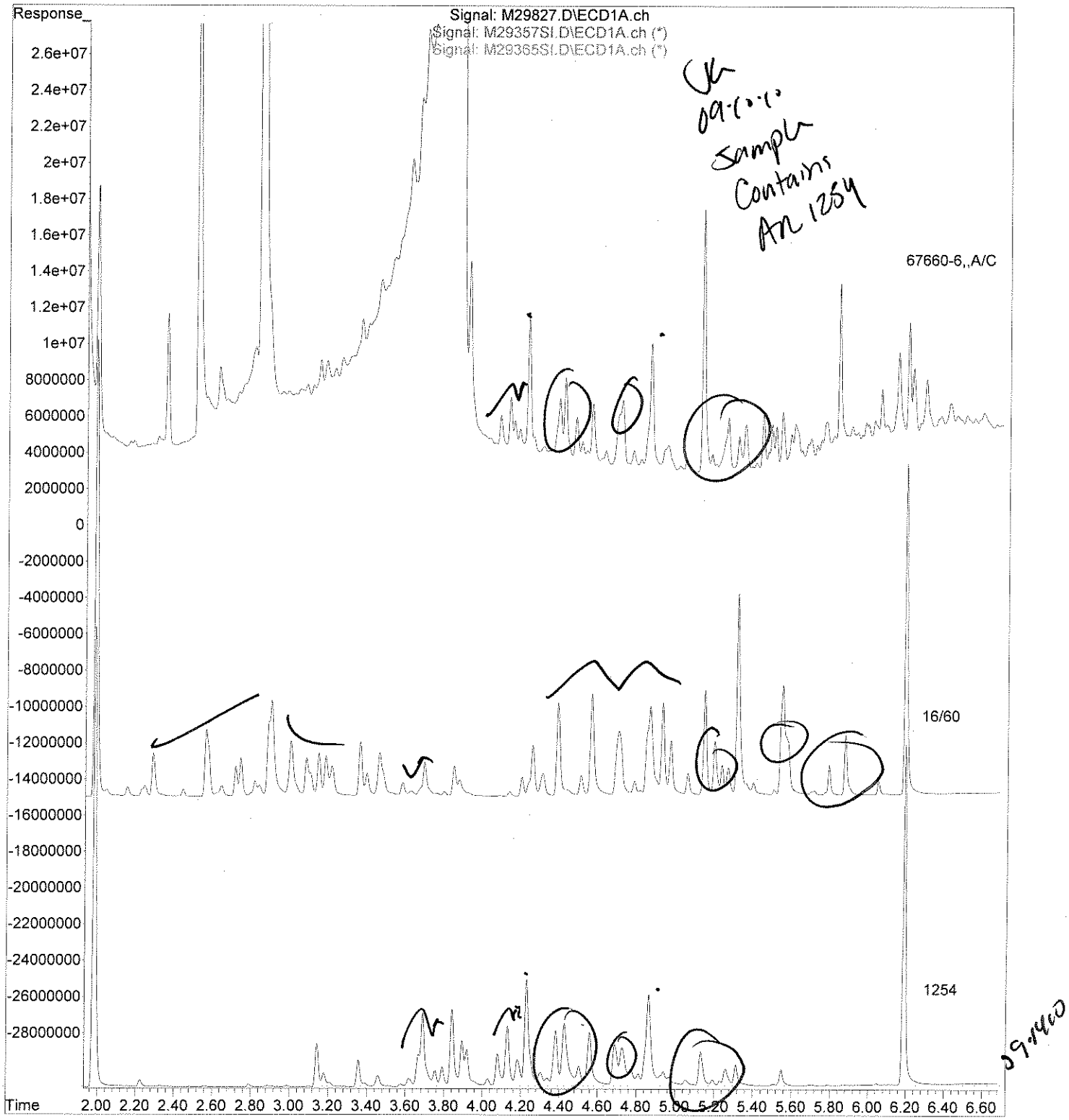
Volume Inj. : 2 uL
Signal #1 Phase : STX-CLPPesticides Signal #2 Phase: STX-CLPPesticides
Signal #1 Info : 30 m x 0.25mm x 0 Signal #2 Info : 30 m x 0.25mm x 0.25 um





09-14-10

File :C:\msdchem\1\DATA\090910-M\M29827.D
Operator : JK
Acquired : 9 Sep 2010 7:00 pm using AcqMethod PEST.M
Instrument : Instrument M
Sample Name: 67660-6,,A/C
Misc Info : SOIL
Vial Number: 33



PCB
QC FORMS

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides I

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides II

Column ID: 0.25 mm

SDG: 67660

Non-spiked sample: B090710PSOX,,A/C

Spike: L090710PSOX,,A/C

Spike duplicate: LD090710PSOX,,A/C

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCSD SPIKE ADDED (ug/kg)	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/kg)	SPIKE RESULT (ug/kg)	SPIKE % REC	#	SPIKE DUP RESULT (ug/kg)	SPIKE DUP % REC	#	RPD	#
PCB 1016	200	200	65	140	30	0	188	94		219	109		15.4	
PCB 1260	200	200	60	130	30	0	190	95		199	99		4.7	
PCB 1016 #2	200	200	65	140	30	0	244	122		249	125		2.2	
PCB 1260 #2	200	200	60	130	30	0	185	93		193	96		3.9	

Column to be used to flag recovery and RPD values outside of QC limits

* Values outside QC limits

LCS/LCSD spike added values have been weight adjusted.

Non-spike result of "0" used in place of "U" to allow calculation of spike recovery.

Comments: _____

_____

CHAIN OF CUSTODIES

AnalyticsLLC:AEL Documents LLC:Pkg Dividers:COC.doc

MAINE ENVIRONMENTAL LABORATORY- Chain of Custody

One Main Street Yarmouth, Maine 04096-6716 (207) 846-6569 fax: (207) 846-9066
e-mail: melab@maine.rr.com

PROJECT MANAGER: H. Kodis
TELEPHONE:
FAX # / E-MAIL:
COMPANY:
PURCHASE ORDER # / BILL TO:
ADDRESS:
PROJECT NAME: SME956-10
SAMPLER NAME:

LABORATORY REPORT #:
Delivered by:
TURNAROUND REQUEST: ☐ Standard ☒ Priority (Surcharge)
Quote # ME23120101-35

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYSES: PCB (soxhlet)	ANALYSES: PAH by SIM	LABORATORY IDENTIFICATION/ SUBCONTRACTOR
SS-414	1	G		X	Soil	X		≤6°C	09/01/10		X	X	676660-1
SS-412	1			X		X					X	X	2
P-22-6'	1			X		X						X	3
SS-413	1			X		X					X	X	4
SS-441	1			X		X					X	X	5
SS-415	1			X		X					X	X	6

CP 9/2/10

Received within hold time ☒ yes ☐ no ☐ N/A
Received in good condition ☒ yes ☐ no ☐ N/A
Temp. Blank °C 3.1 / Frozen ice packs ☐ N/A
Samples received preserved ☐ yes ☐ no ☒ N/A

Custody seal present ☐ yes ☐ no
Labels ✓ by JSB 9/2/10 No charge

COMMENTS: MEDEP EDD (American Tissue) Level II

RELINQUISHED BY SAMPLER: DATE: TIME:
RECEIVED BY: CP 9/2/10
RELINQUISHED BY: DATE 09/02/10 TIME 1434
RECEIVED BY:
RELINQUISHED BY: DATE: TIME:
RECEIVED BY LABORATORY:

COC-04

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 67660

CLIENT: MEL

PROJECT: SME 956-10

COOLER NUMBER: N/A

NUMBER OF COOLERS: 1

DATE RECEIVED: 09/02/10

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 9/2/10

1. Cooler received by(initials): CP

Date Received: 9/2/10

2. Circle one: Hand delivered (If so, skip 3) Shipped

3. Did cooler come with a shipping slip? Y N/A

3a. Enter carrier name and airbill number here: —

4. Were custody seals on the outside of cooler? Y N
How many & where: — Seal Date: — Seal Name: —

5. Did the custody seals arrive unbroken and intact upon arrival? Y N/A

6. COC#: N/A

7. Were Custody papers filled out properly (ink,signed, etc)? Y N

8. Were custody papers sealed in a plastic bag? Y N

9. Did you sign the COC in the appropriate place? Y N

10. Was the project identifiable from the COC papers? Y N

11. Was enough ice used to chill the cooler? Y N Temp. of cooler: 3.1°

B. Log-In: Date samples were logged in: 9/2/10 By: CP

12. Type of packing in cooler(bubble wrap, popcorn) Y N

13. Were all bottles sealed in separate plastic bags? Y N

14. Did all bottles arrive unbroken and were labels in good condition? Y N

15. Were all bottle labels complete(ID,Date,time,etc.) Y N

16. Did all bottle labels agree with custody papers? Y N

17. Were the correct containers used for the tests indicated: Y N

18. Were samples received at the correct pH? Y N/A

19. Was sufficient amount of sample sent for the tests indicated? Y N

20. Were bubbles absent in VOA samples? Y N/A

If NO, List Sample ID's and Lab #s:

21. Laboratory labeling verified by (initials): JB Date: 9/2/10