

March 6, 2013

Mr. John Cressey
Summit Environmental
640 Main Street
Lewiston ME 04240

RE: Analytical Results Case Narrative
Analytics # 74946
Maine Energy
Project No: 12-3259.1

Dear Mr. Cressey;

Enclosed please find the analytical results for samples submitted for 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 Polychlorinated Biphenyls (PCBs) by EPA Method 8082A.

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 data package has been assembled in the following order:

- Case Narrative/Non-Conformance Summary
- Sample Log Sheet - Cover Page
- PCB Form 1 Data Sheet for Samples
- PCB Form 3 MS/MSD (LCS) Recoveries and Blanks
- Chromatograms
- Chain of Custody (COC) Forms

QC NON CONFORMANCE SUMMARY

Sample Receipt:

No exceptions.

PCBs by EPA Method 8082:

No results were reported below the quantitation limit.

All samples except 74946-1 and 74946-7 required dilution due to concentrations of PCBs that exceeded the calibration range of the instrument or matrix affect.

The MS/MSD analyzed on sample 74946-1-1 did not meet acceptance criteria for PCB 1260 recoveries due to the parent sample having concentrations of PCB 1260 that exceeded the calibration range of the instrument. In addition the MS/MSD pair had three high RPDs. The laboratory control samples (L030413PSOX/LD030413PSOX) were in control for all recoveries but had high RPDs. Results were reported without qualification.

If you have any questions on this data submittal, please do not hesitate to contact me.

Sincerely,
ANALYTICS Environmental Laboratory, LLC



Stephen Knollmeyer
Laboratory Director

Mr. John Cressey
Summit Environmental Consultants Inc.
640 Main Street
Lewiston ME 04240

Report Number: 74946

Revision: Rev. 0

Re: Maine Energy (Project No: 12-3259.1)

Enclosed are the results of the analyses on your sample(s). Samples were received on 22 February 2013 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.

| <u>Lab Number</u> | <u>Sample Date</u> | <u>Station Location</u> | <u>Analysis</u> | <u>Comments</u> |
|-------------------|--------------------|-------------------------|----------------------|-----------------|
| 74946-1 | 02/20/13 | SE-SB-236 (0-2') | EPA 8082 (PCBs only) | |
| 74946-2 | 02/20/13 | SE-SB-236 (2-4') | EPA 8082 (PCBs only) | |
| 74946-3 | 02/20/13 | SE-SB-236 (4-6') | EPA 8082 (PCBs only) | |
| 74946-4 | 02/20/13 | SE-SB-236 (6-8') | EPA 8082 (PCBs only) | |
| 74946-5 | 02/20/13 | SE-SB-236 (8-10') | EPA 8082 (PCBs only) | |
| 74946-6 | 02/20/13 | SE-SB-236 (10-12') | EPA 8082 (PCBs only) | |
| 74946-7 | 02/20/13 | SE-SB-236 (12-14') | EPA 8082 (PCBs only) | |

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, Virginia, Maryland, and North Carolina, and is accredited by the Department 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 3/6/2013

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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 | |

PCB
DATA SUMMARIES

Mr. John Cressey
Summit Environmental Consultants Inc.
640 Main Street
Lewiston ME 04240

March 6, 2013

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Maine Energy

Project Number: 12-3259.1

Field Sample ID: SE-SB-236 (0-2')

Lab Sample ID: 74946-1

Matrix: Solid

Percent Solid: 96

Dilution Factor: 1.0

Collection Date: 02/20/13

Lab Receipt Date: 02/22/13

Extraction Date: 03/04/13

Analysis Date: 03/05/13

| PCB ANALYTICAL RESULTS | | |
|--|---|------------------------------------|
| COMPOUND | Quantitation Limit $\mu\text{g}/\text{kg}$ | Results $\mu\text{g}/\text{kg}$ |
| 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 | 174 |
| Surrogate Standard Recovery | | |
| 2,4,5,6-Tetrachloro-m-xylene | 92 | % |
| Decachlorobiphenyl | 79 | % |
| U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank | | |

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082A.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS: Results are expressed on a dry weight basis.

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:
Sample: 74946-1,,A/C
Data File: M67921.D
Dilution Factor: 1.0

| COMPOUND | Column #1 | Column #2 | RPD | # |
|----------|-----------------------|-----------------------|-----|---|
| | SAMPLE RESULT (ug/kg) | SAMPLE RESULT (ug/kg) | | |
| PCB 1260 | 174 | 166 | 4.7 | |

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

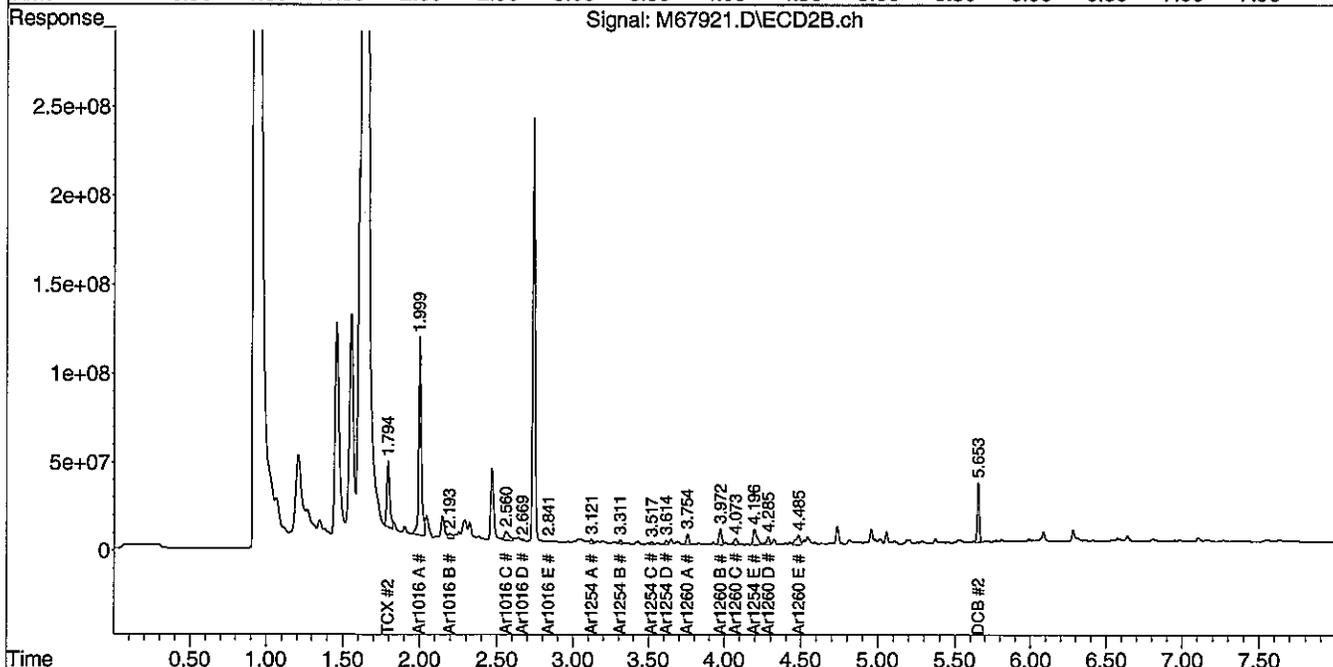
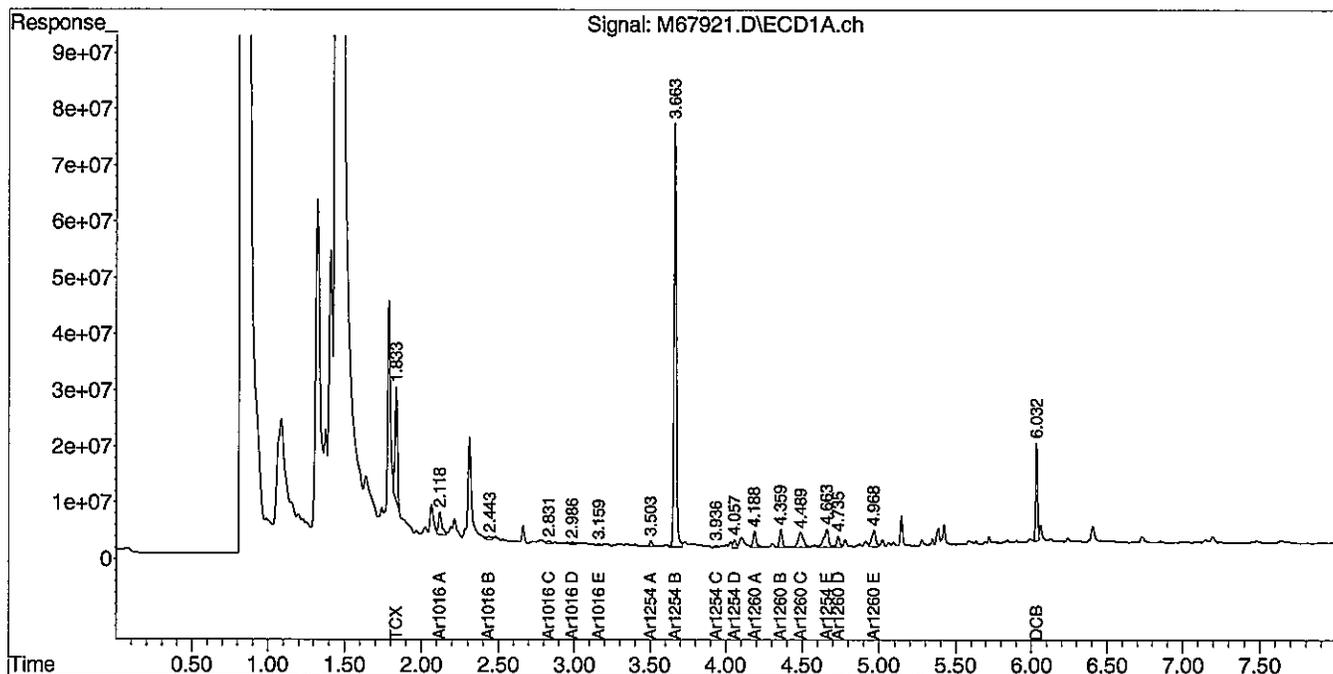
* Values outside QC limits

Comments: _____

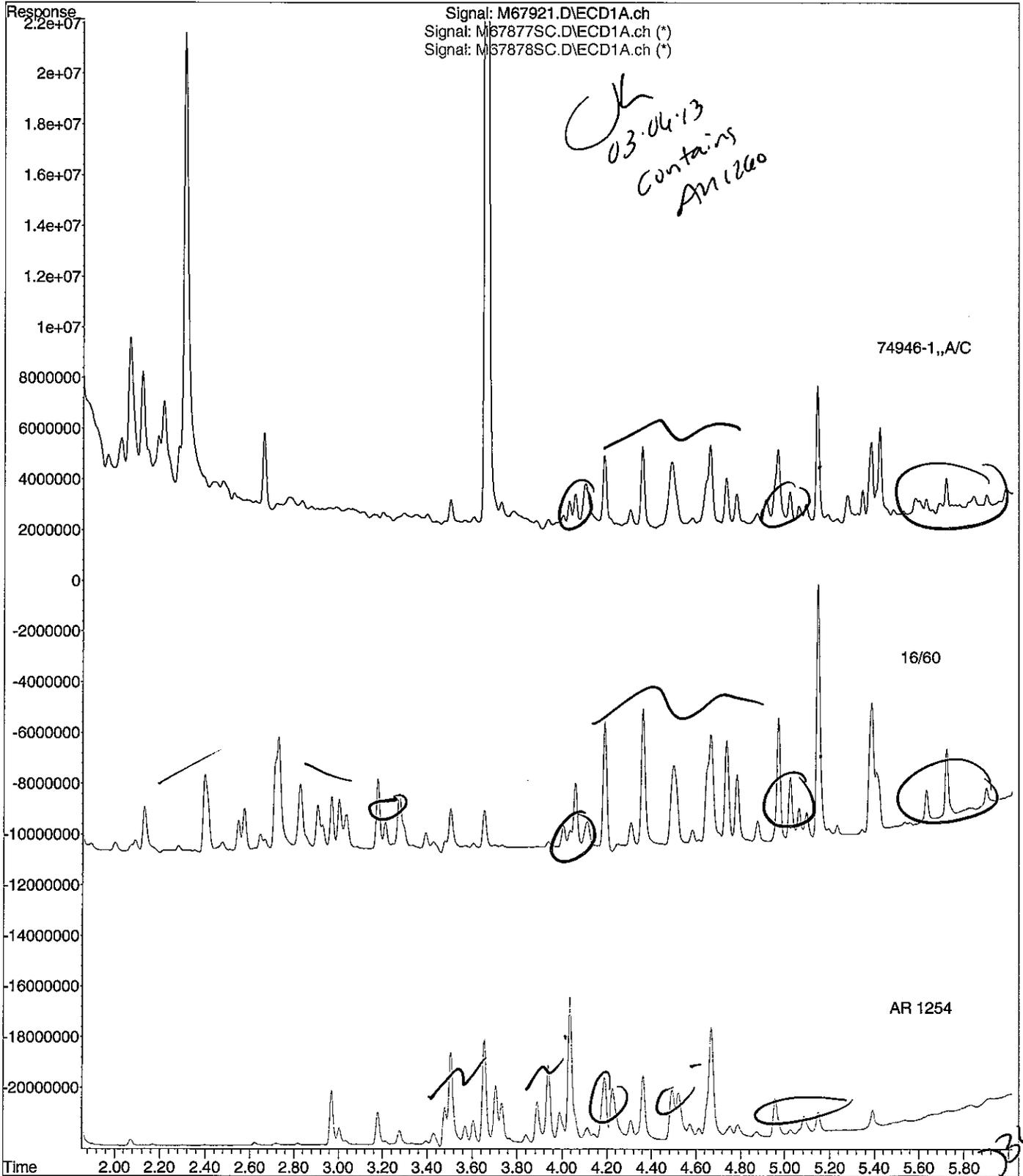
Data Path : C:\msdchem\1\DATA\030513-M\
 Data File : M67921.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Mar 2013 5:49 pm
 Operator : JK
 Sample : 74946-1,,A/C
 Misc : SOIL
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 06 10:45:54 2013
 Quant Method : C:\msdchem\1\METHODS\PCB022813.M
 Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
 QLast Update : Wed Mar 06 10:28:44 2013
 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\030513-M\M67921.D
Operator : JK
Acquired : 5 Mar 2013 5:49 pm using AcqMethod PCB.M
Instrument : Instrument M
Sample Name: 74946-1,,A/C
Misc Info : SOIL
Vial Number: 19



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SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Maine Energy
Project Number: 12-3259.1
Field Sample ID: SE-SB-236 (2-4')

Lab Sample ID: 74946-2
Matrix: Solid
Percent Solid: 93
Dilution Factor: 2.1
Collection Date: 02/20/13
Lab Receipt Date: 02/22/13
Extraction Date: 03/04/13
Analysis Date: 03/05/13

| PCB ANALYTICAL RESULTS | | |
|--|---|------------------------------------|
| COMPOUND | Quantitation Limit $\mu\text{g}/\text{kg}$ | Results $\mu\text{g}/\text{kg}$ |
| PCB-1016 | 69 | U |
| PCB-1221 | 69 | U |
| PCB-1232 | 69 | U |
| PCB-1242 | 69 | U |
| PCB-1248 | 69 | U |
| PCB-1254 | 69 | U |
| PCB-1260 | 69 | 670 |
| Surrogate Standard Recovery | | |
| 2,4,5,6-Tetrachloro-m-xylene | 112 | % |
| Decachlorobiphenyl | 89 | % |
| U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank | | |

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082A.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS: Results are expressed on a dry weight basis.



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: 74946
Sample: 74946-2,1:2,,A/C
Data File: M67924.D
Dilution Factor: 2.1

| COMPOUND | Column #1 | Column #2 | RPD | # |
|----------|-----------------------|-----------------------|-----|---|
| | SAMPLE RESULT (ug/kg) | SAMPLE RESULT (ug/kg) | | |
| PCB 1260 | 662 | 670 | 1.2 | |

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

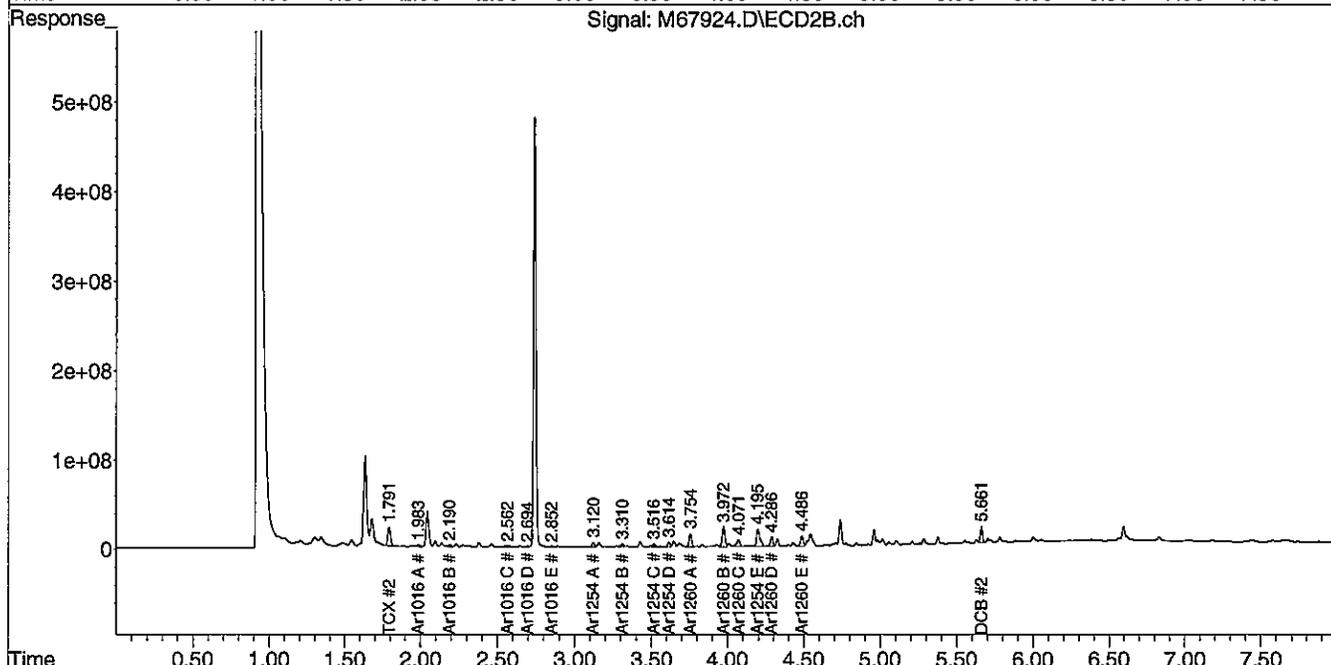
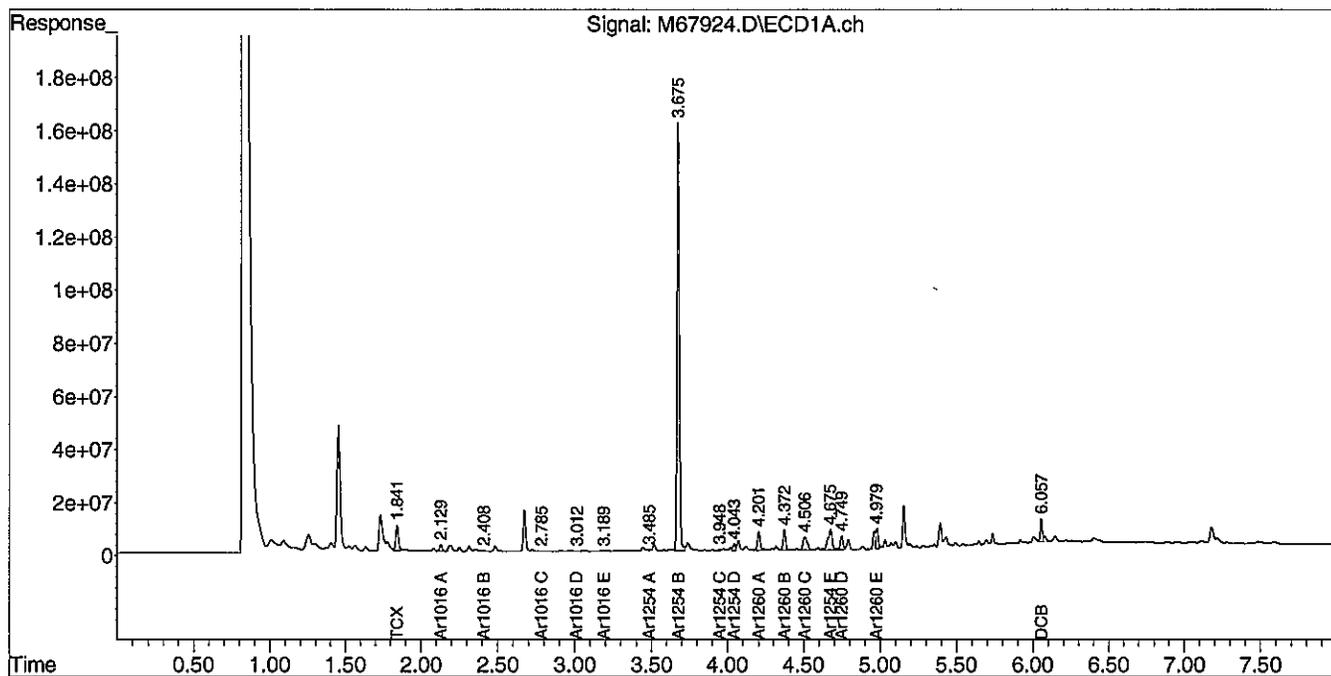
* Values outside QC limits

Comments: _____

Data Path : C:\msdchem\1\DATA\030513-M\
 Data File : M67924.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Mar 2013 9:15 pm
 Operator : JK
 Sample : 74946-2,1:2,,A/C
 Misc : SOIL
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 06 10:52:01 2013
 Quant Method : C:\msdchem\1\METHODS\PCB022813.M
 Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
 QLast Update : Wed Mar 06 10:28:44 2013
 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



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SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Maine Energy

Project Number: 12-3259.1

Field Sample ID: SE-SB-236 (4-6')

Lab Sample ID: 74946-3

Matrix: Solid

Percent Solid: 89

Dilution Factor: 6

Collection Date: 02/20/13

Lab Receipt Date: 02/22/13

Extraction Date: 03/04/13

Analysis Date: 03/05/13

| PCB ANALYTICAL RESULTS | | |
|--|---|------------------------------------|
| COMPOUND | Quantitation Limit $\mu\text{g}/\text{kg}$ | Results $\mu\text{g}/\text{kg}$ |
| PCB-1016 | 198 | U |
| PCB-1221 | 198 | U |
| PCB-1232 | 198 | U |
| PCB-1242 | 198 | U |
| PCB-1248 | 198 | U |
| PCB-1254 | 198 | U |
| PCB-1260 | 198 | 2240 |
| Surrogate Standard Recovery | | |
| 2,4,5,6-Tetrachloro-m-xylene | 124 | % |
| Decachlorobiphenyl | 97 | % |
| U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank | | |

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082A.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS: Results are expressed on a dry weight basis.



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: 74946
Sample: 74946-3,1:5,,A/C
Data File: M67925.D
Dilution Factor: 5.5

| COMPOUND | Column #1 | Column #2 | RPD | # |
|----------|-----------------------|-----------------------|-----|---|
| | SAMPLE RESULT (ug/kg) | SAMPLE RESULT (ug/kg) | | |
| PCB 1260 | 2236 | 2214 | 1.0 | |

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

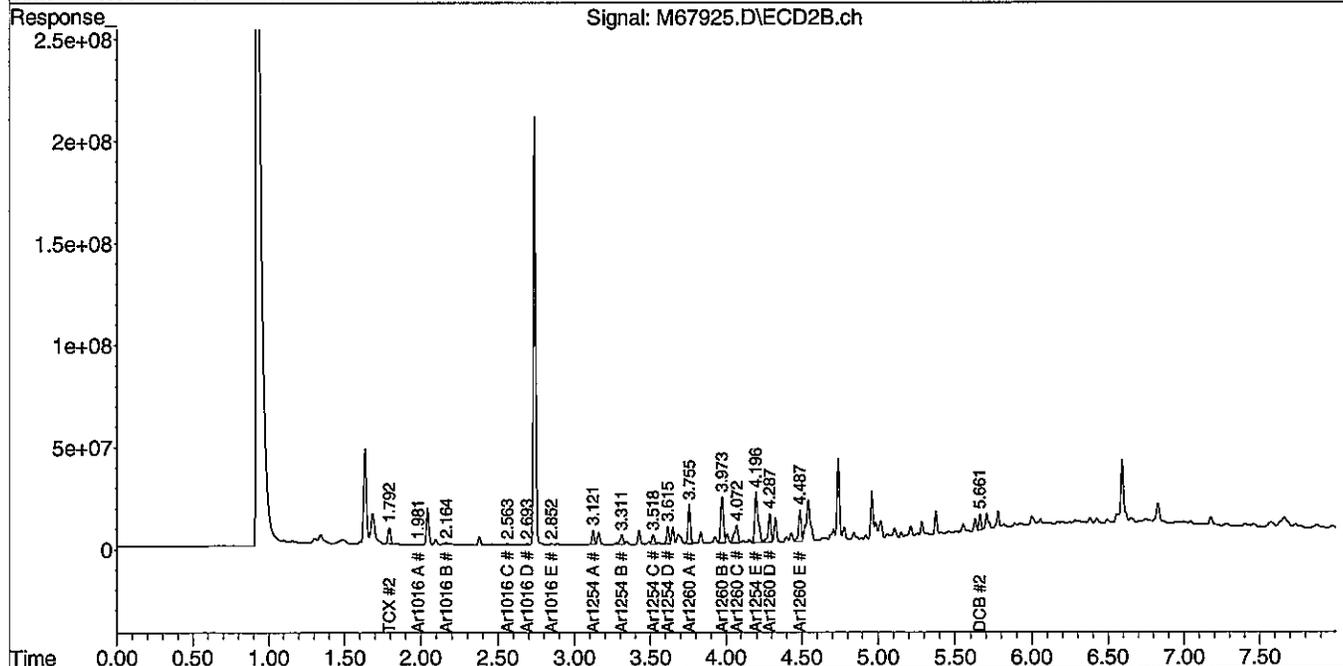
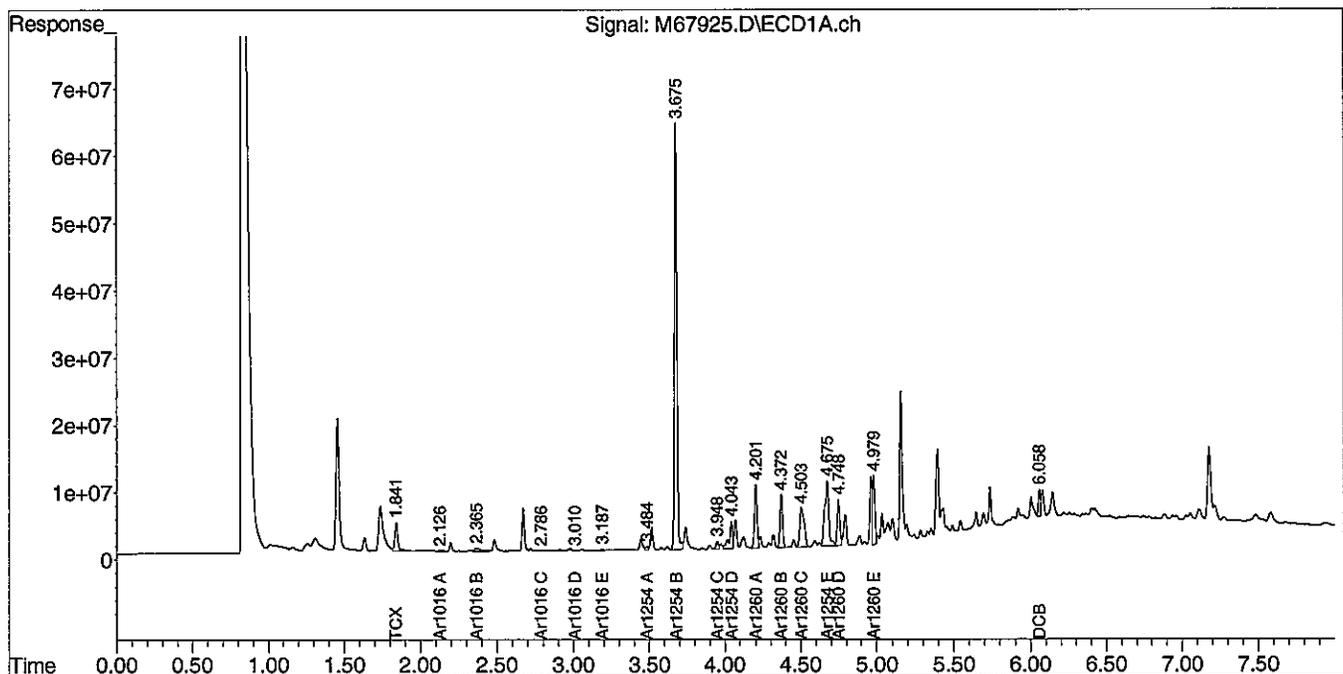
* Values outside QC limits

Comments: _____

Data Path : C:\msdchem\1\DATA\030513-M\
 Data File : M67925.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Mar 2013 9:44 pm
 Operator : JK
 Sample : 74946-3,1:5,,A/C
 Misc : SOIL
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 06 10:53:05 2013
 Quant Method : C:\msdchem\1\METHODS\PCB022813.M
 Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
 QLast Update : Wed Mar 06 10:28:44 2013
 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



Mr. John Cressey
 Summit Environmental Consultants Inc.
 640 Main Street
 Lewiston ME 04240

March 6, 2013

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Maine Energy

Project Number: 12-3259.1

Field Sample ID: SE-SB-236 (6-8')

Lab Sample ID: 74946-4

Matrix: Solid

Percent Solid: 91

Dilution Factor: 6

Collection Date: 02/20/13

Lab Receipt Date: 02/22/13

Extraction Date: 03/04/13

Analysis Date: 03/05/13

| PCB ANALYTICAL RESULTS | | |
|--|--|---------------------------------|
| COMPOUND | Quantitation Limit $\mu\text{g}/\text{kg}$ | Results $\mu\text{g}/\text{kg}$ |
| PCB-1016 | 198 | U |
| PCB-1221 | 198 | U |
| PCB-1232 | 198 | U |
| PCB-1242 | 198 | U |
| PCB-1248 | 198 | U |
| PCB-1254 | 198 | U |
| PCB-1260 | 198 | 2120 |
| Surrogate Standard Recovery | | |
| 2,4,5,6-Tetrachloro-m-xylene | 89 | % |
| Decachlorobiphenyl | 77 | % |
| U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank | | |

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082A.
 Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
 Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

Authorized signature



PCB
COLUMN RELATIVE PERCENT DIFFERENCE

| | |
|-----------------------------------|--------------------------|
| Instrument ID: M | SDG: 74946 |
| GC Column #1: STX-CLPesticides I | Sample: 74946-4,1:5,,A/C |
| Column ID: 0.25 mm | Data File: M67926.D |
| GC Column #2: STX-CLPesticides II | Dilution Factor: 5.5 |
| Column ID: 0.25 mm | |

| COMPOUND | Column #1 | Column #2 | RPD | # |
|----------|-----------------------|-----------------------|-----|---|
| | SAMPLE RESULT (ug/kg) | SAMPLE RESULT (ug/kg) | | |
| PCB 1260 | 2121 | 2062 | 2.8 | |

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

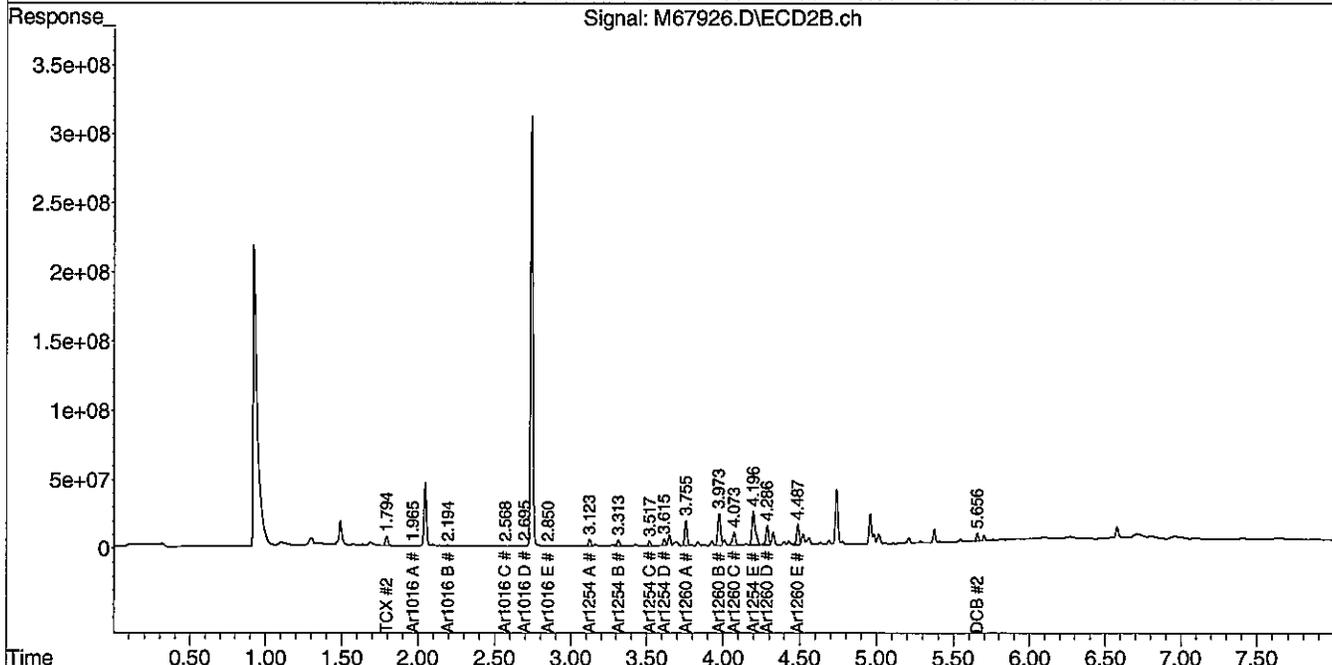
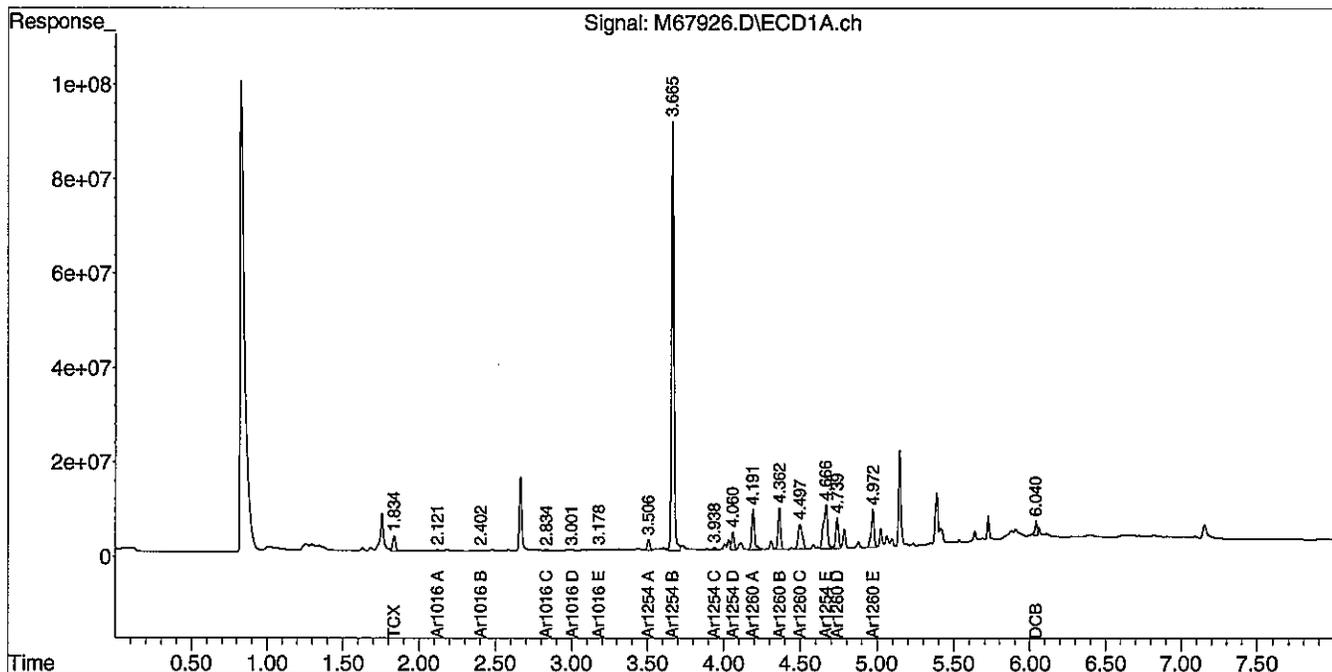
* Values outside QC limits

Comments: _____

Data Path : C:\msdchem\1\DATA\030513-M\
 Data File : M67926.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Mar 2013 9:54 pm
 Operator : JK
 Sample : 74946-4,1:5,,A/C
 Misc : SOIL
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 06 10:53:53 2013
 Quant Method : C:\msdchem\1\METHODS\PCB022813.M
 Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
 QLast Update : Wed Mar 06 10:28:44 2013
 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



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 Lewiston ME 04240

March 6, 2013

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Maine Energy
Project Number: 12-3259.1
Field Sample ID: SE-SB-236 (8-10')

Lab Sample ID: 74946-5
Matrix: Solid
Percent Solid: 90
Dilution Factor: 2.2
Collection Date: 02/20/13
Lab Receipt Date: 02/22/13
Extraction Date: 03/04/13
Analysis Date: 03/05/13

| PCB ANALYTICAL RESULTS | | |
|-------------------------------|--|---|
| COMPOUND | Quantitation Limit $\mu\text{g}/\text{kg}$ | Results $\mu\text{g}/\text{kg}$ |
| PCB-1016 | 73 | U |
| PCB-1221 | 73 | U |
| PCB-1232 | 73 | U |
| PCB-1242 | 73 | U |
| PCB-1248 | 73 | U |
| PCB-1254 | 73 | U |
| PCB-1260 | 73 | 975 |

| Surrogate Standard Recovery | | |
|------------------------------------|----|---|
| 2,4,5,6-Tetrachloro-m-xylene | 70 | % |
| Decachlorobiphenyl | 62 | % |

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

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082A.
 Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
 Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS: Results are expressed on a dry weight basis.

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: 74946
Sample: 74946-5,1:2,,A/C
Data File: M67927.D
Dilution Factor: 2.2

| COMPOUND | Column #1 | Column #2 | RPD | # |
|----------|-----------------------|-----------------------|-----|---|
| | SAMPLE RESULT (ug/kg) | SAMPLE RESULT (ug/kg) | | |
| PCB 1260 | 975 | 948 | 2.8 | |

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

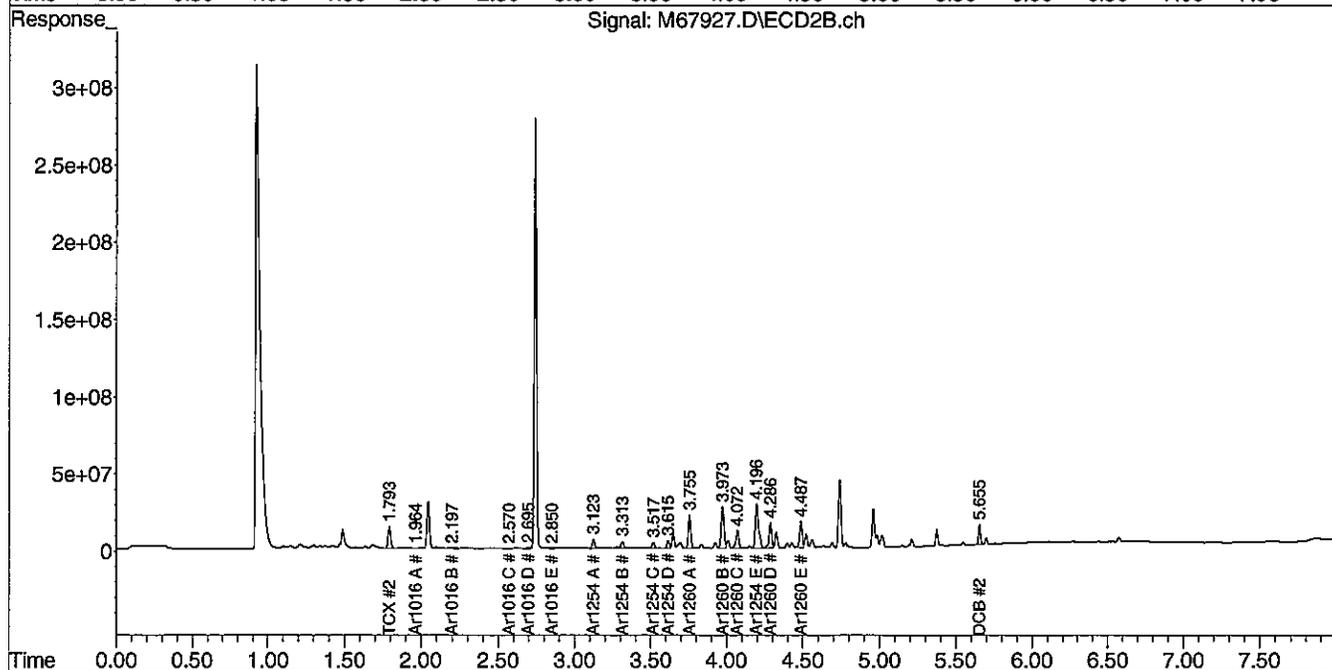
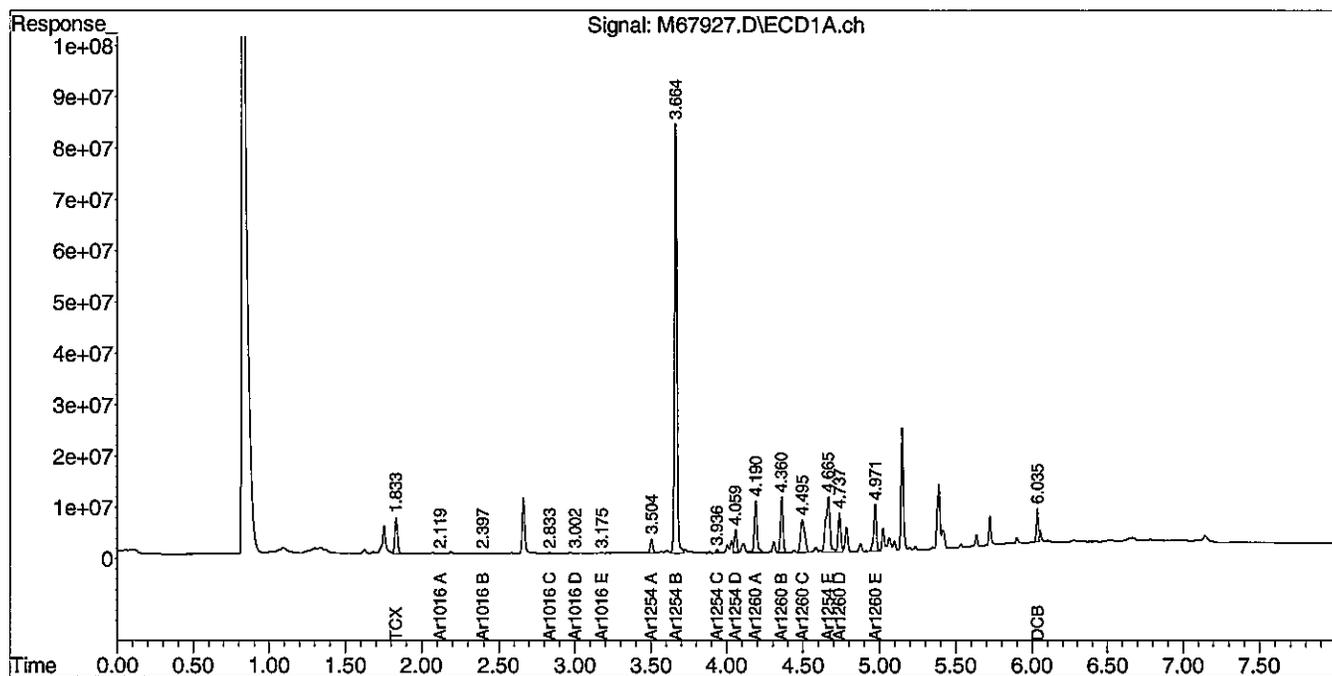
* Values outside QC limits

Comments: _____

Data Path : C:\msdchem\1\DATA\030513-M\
 Data File : M67927.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Mar 2013 10:04 pm
 Operator : JK
 Sample : 74946-5,1:2,,A/C
 Misc : SOIL
 ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 06 10:54:51 2013
 Quant Method : C:\msdchem\1\METHODS\PCB022813.M
 Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
 QLast Update : Wed Mar 06 10:28:44 2013
 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



Mr. John Cressey
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 640 Main Street
 Lewiston ME 04240

March 6, 2013

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Maine Energy
Project Number: 12-3259.1
Field Sample ID: SE-SB-236 (10-12')

Lab Sample ID: 74946-6
Matrix: Solid
Percent Solid: 93
Dilution Factor: 2.1
Collection Date: 02/20/13
Lab Receipt Date: 02/22/13
Extraction Date: 03/04/13
Analysis Date: 03/05/13

| PCB ANALYTICAL RESULTS | | |
|------------------------|--|---------------------------------|
| COMPOUND | Quantitation Limit $\mu\text{g}/\text{kg}$ | Results $\mu\text{g}/\text{kg}$ |
| PCB-1016 | 69 | U |
| PCB-1221 | 69 | U |
| PCB-1232 | 69 | U |
| PCB-1242 | 69 | U |
| PCB-1248 | 69 | U |
| PCB-1254 | 69 | U |
| PCB-1260 | 69 | 735 |

| Surrogate Standard Recovery | | |
|------------------------------|----|---|
| 2,4,5,6-Tetrachloro-m-xylene | 68 | % |
| Decachlorobiphenyl | 64 | % |

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

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082A.
 Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
 Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS: Results are expressed on a dry weight basis.

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: 74946
Sample: 74946-6,1:2,,A/C
Data File: M67928.D
Dilution Factor: 2.1

| COMPOUND | Column #1 | Column #2 | RPD | # |
|----------|-----------------------|-----------------------|-----|---|
| | SAMPLE RESULT (ug/kg) | SAMPLE RESULT (ug/kg) | | |
| PCB 1260 | 735 | 719 | 2.2 | |

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

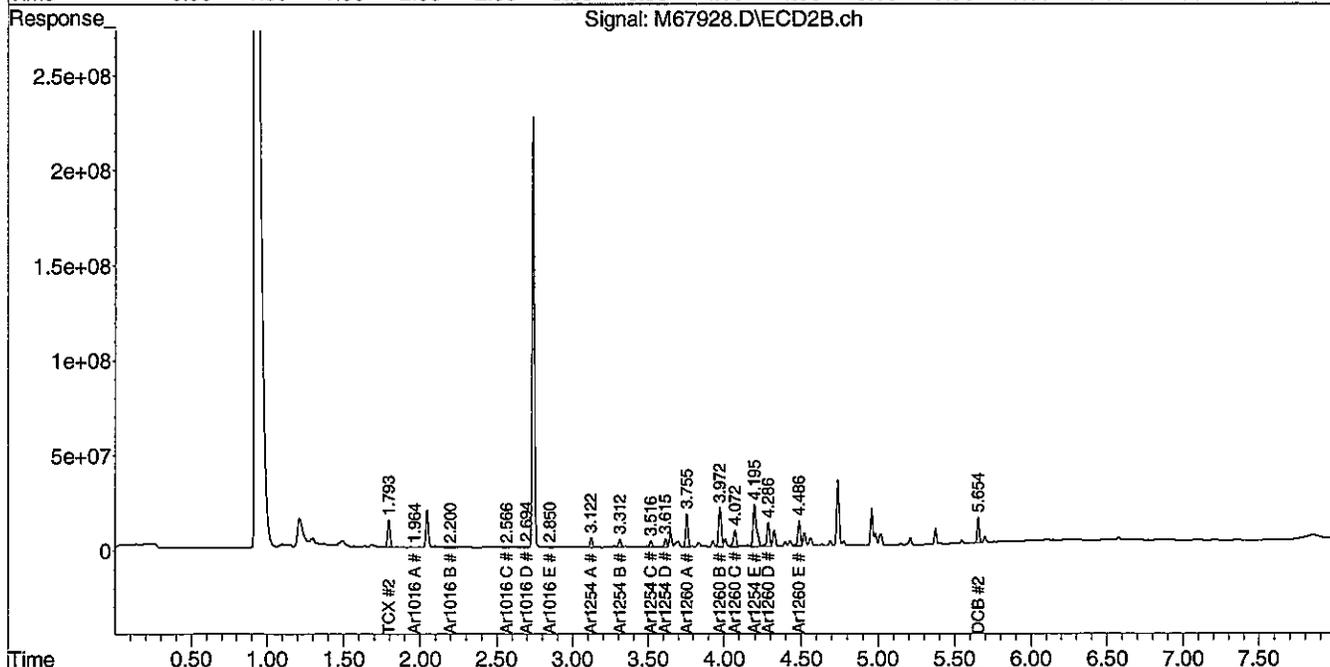
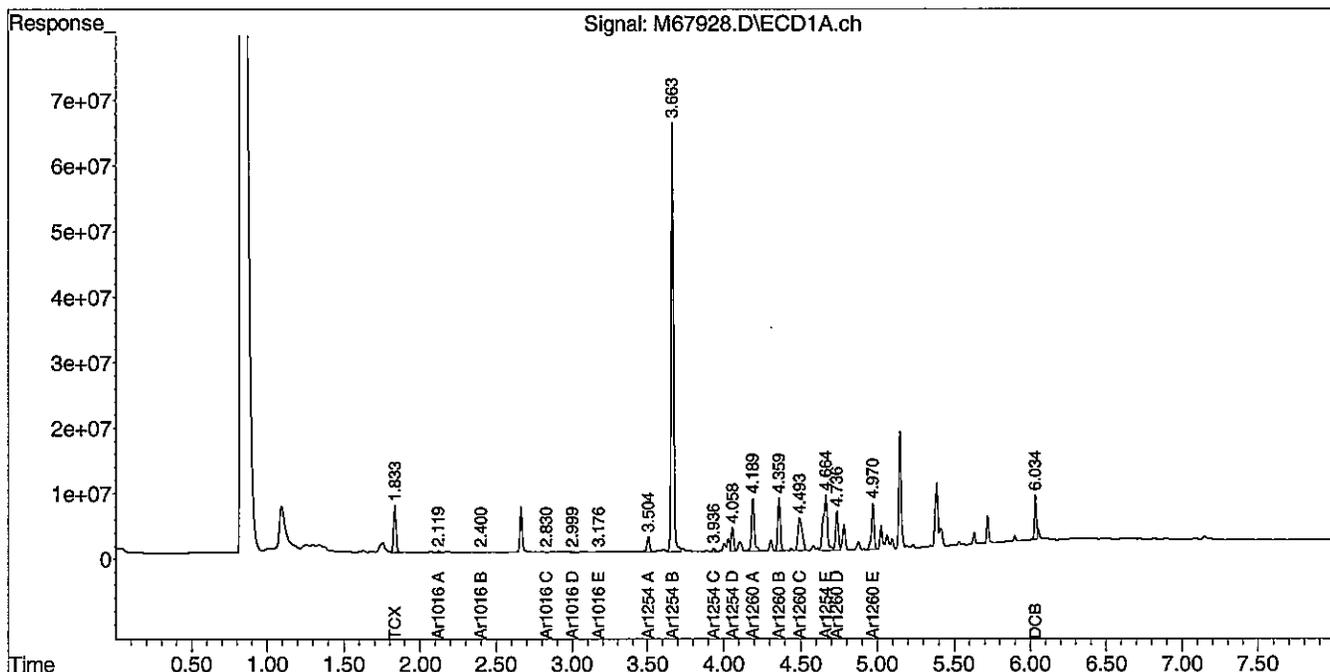
* Values outside QC limits

Comments: _____

Data Path : C:\msdchem\1\DATA\030513-M\
 Data File : M67928.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Mar 2013 10:14 pm
 Operator : JK
 Sample : 74946-6,1:2,,A/C
 Misc : SOIL
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 06 10:55:48 2013
 Quant Method : C:\msdchem\1\METHODS\PCB022813.M
 Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
 QLast Update : Wed Mar 06 10:28:44 2013
 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



Mr. John Cressey
Summit Environmental Consultants Inc.
640 Main Street
Lewiston ME 04240

March 6, 2013

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Maine Energy
Project Number: 12-3259.1
Field Sample ID: SE-SB-236 (12-14')

Lab Sample ID: 74946-7
Matrix: Solid
Percent Solid: 88
Dilution Factor: 1.1
Collection Date: 02/20/13
Lab Receipt Date: 02/22/13
Extraction Date: 03/04/13
Analysis Date: 03/05/13

| PCB ANALYTICAL RESULTS | | |
|------------------------|---|------------------------------------|
| COMPOUND | Quantitation Limit $\mu\text{g}/\text{kg}$ | Results $\mu\text{g}/\text{kg}$ |
| PCB-1016 | 36 | U |
| PCB-1221 | 36 | U |
| PCB-1232 | 36 | U |
| PCB-1242 | 36 | U |
| PCB-1248 | 36 | U |
| PCB-1254 | 36 | U |
| PCB-1260 | 36 | 472 |

| Surrogate Standard Recovery | | |
|------------------------------|----|---|
| 2,4,5,6-Tetrachloro-m-xylene | 78 | % |
| Decachlorobiphenyl | 85 | % |

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

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082A.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS: Results are expressed on a dry weight basis.



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: 74946
Sample: 74946-7,,A/C
Data File: M67929.D
Dilution Factor: 1.1

| COMPOUND | Column #1 | Column #2 | RPD | # |
|----------|-----------------------|-----------------------|-----|---|
| | SAMPLE RESULT (ug/kg) | SAMPLE RESULT (ug/kg) | | |
| PCB 1260 | 472 | 447 | 5.3 | |

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

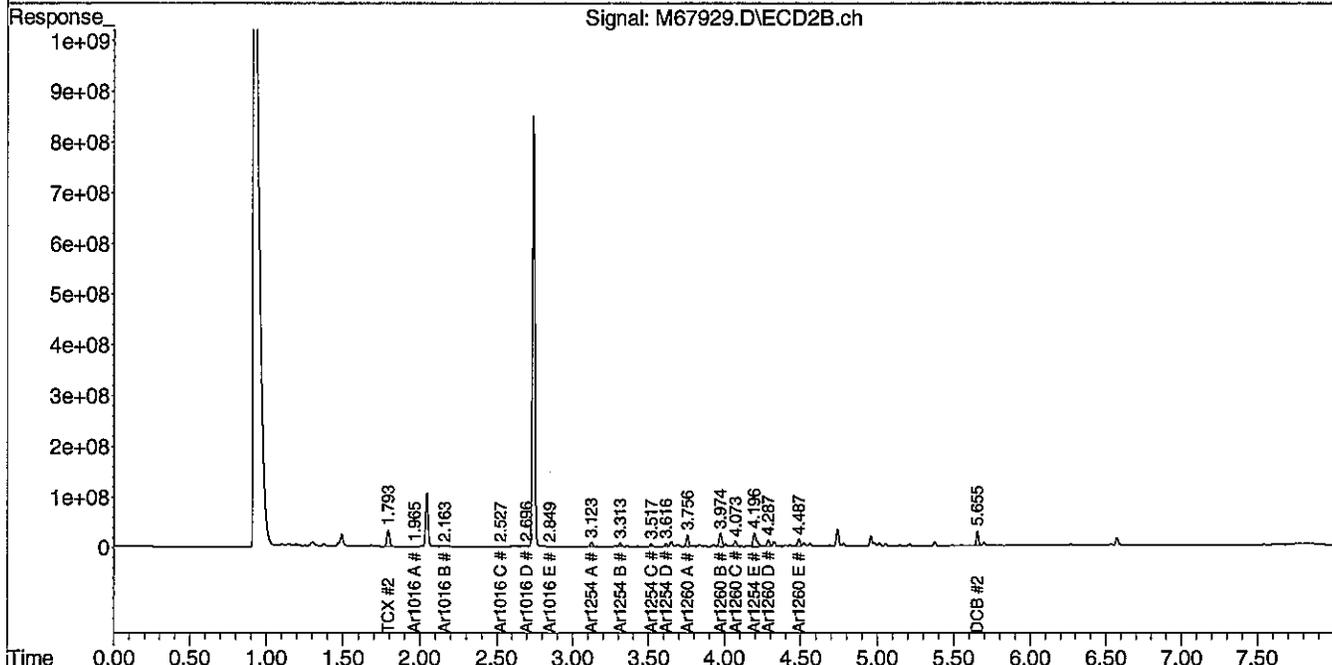
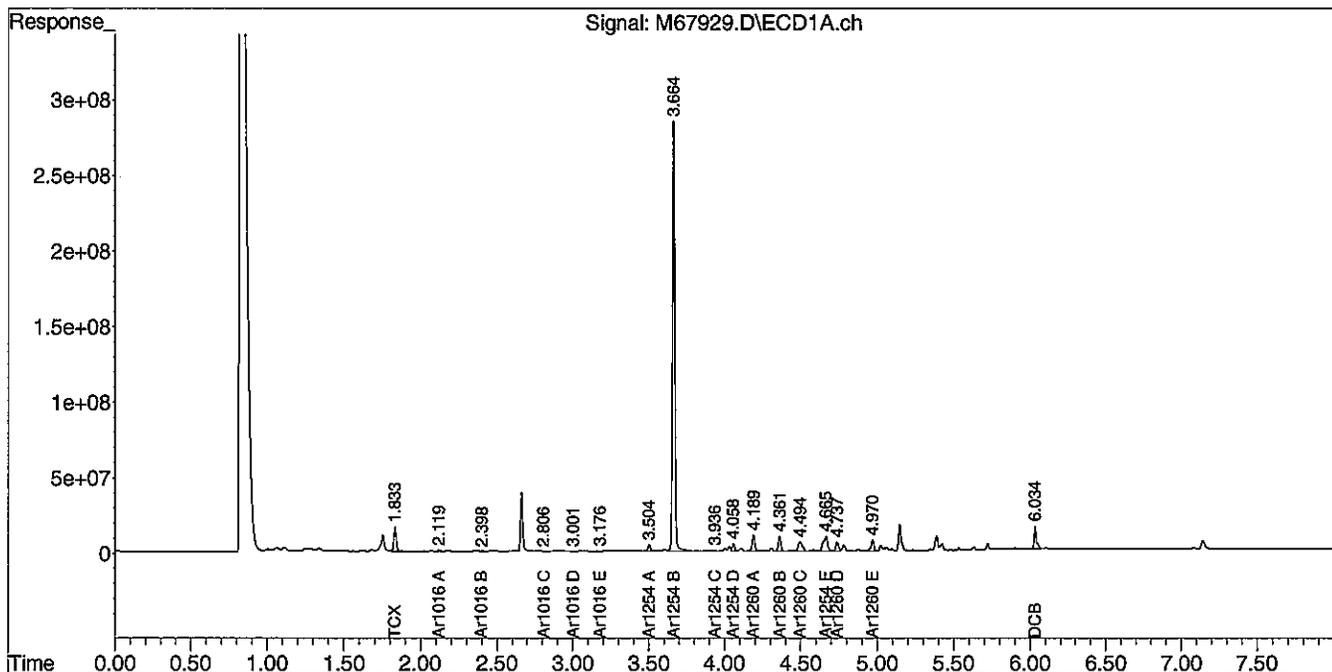
* Values outside QC limits

Comments: _____

Data Path : C:\msdchem\1\DATA\030513-M\
 Data File : M67929.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Mar 2013 10:24 pm
 Operator : JK
 Sample : 74946-7,,A/C
 Misc : SOIL
 ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 06 10:43:25 2013
 Quant Method : C:\msdchem\1\METHODS\PCB022813.M
 Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
 QLast Update : Wed Mar 06 10:28:44 2013
 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



PCB
QC FORMS

Mr. John Cressey
Summit Environmental Consultants Inc.
640 Main Street
Lewiston ME 04240

March 6, 2013

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Maine Energy
Project Number: 12-3259.1
Field Sample ID: Lab QC

Lab Sample ID: B030413PSOX
Matrix: Soil
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 03/04/13
Analysis Date: 03/05/13

| PCB ANALYTICAL RESULTS | | |
|--|--|---------------------------------|
| COMPOUND | Quantitation Limit $\mu\text{g}/\text{kg}$ | Results $\mu\text{g}/\text{kg}$ |
| 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 | 103 | % |
| Decachlorobiphenyl | 87 | % |
| U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank | | |

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082A.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C.
Sample cleanup was conducted according to SW-846 Method 3665A.

COMMENTS: Results are expressed on a dry weight basis.

PCB Report

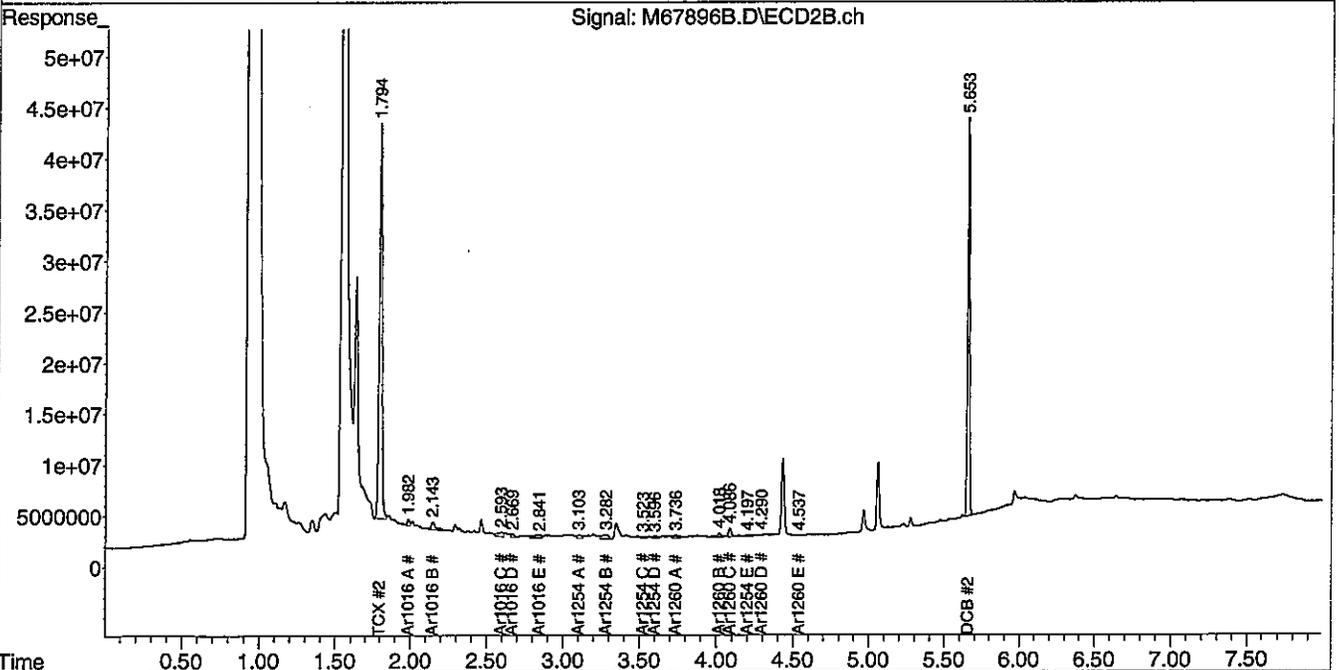
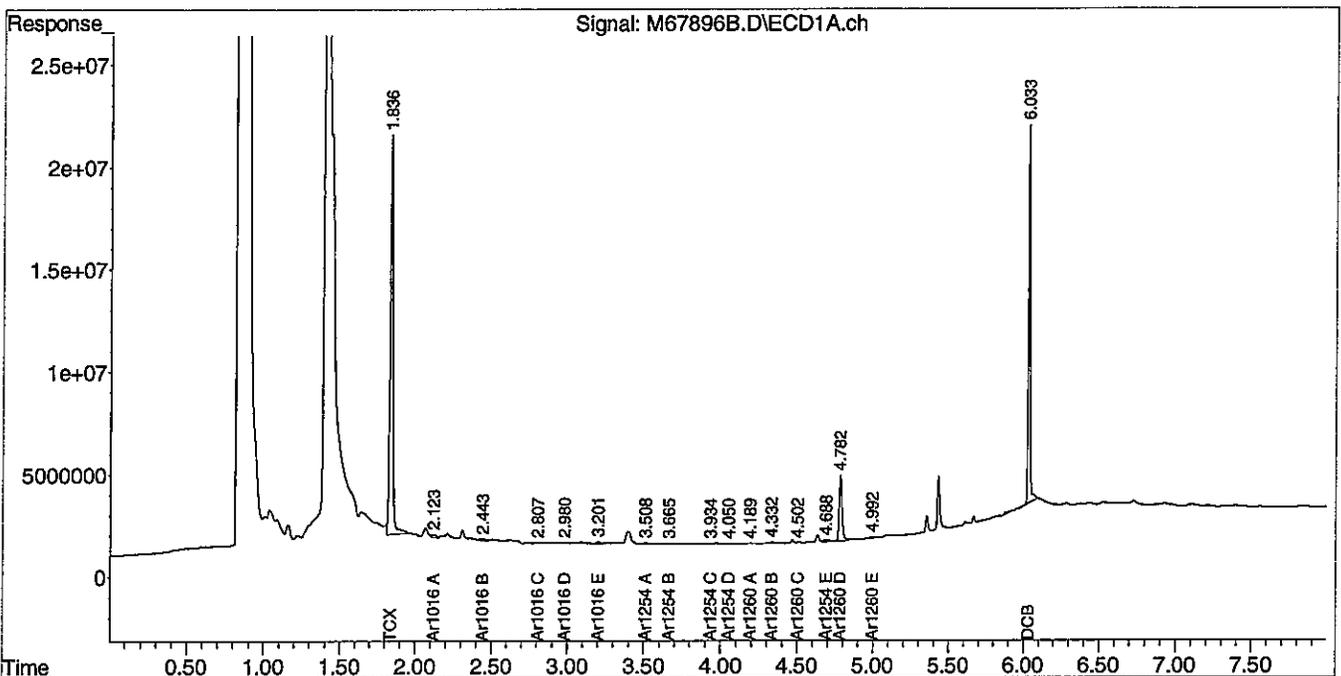
Authorized signature



Data Path : C:\msdchem\1\DATA\030513-M\
 Data File : M67896B.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Mar 2013 1:37 pm
 Operator : JK
 Sample : B030413PSOX,,A/C
 Misc : SOIL
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
 Integration File signal 2: events2.e
 Quant Time: Mar 05 14:14:27 2013
 Quant Method : C:\msdchem\1\METHODS\PCB022813.M
 Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
 QLast Update : Tue Mar 05 10:44:12 2013
 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



Mr. John Cressey
Summit Environmental Consultants Inc.
640 Main Street
Lewiston ME 04240

March 6, 2013

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: Maine Energy

Project Number: 12-3259.1

Field Sample ID: Lab QC

Lab Sample ID: B030413PSOX RR

Matrix: Soil

Percent Solid: 100

Dilution Factor: 1.0

Collection Date:

Lab Receipt Date:

Extraction Date: 03/04/13

Analysis Date: 03/05/13

| PCB ANALYTICAL RESULTS | | |
|--|--|---------------------------------|
| COMPOUND | Quantitation Limit $\mu\text{g}/\text{kg}$ | Results $\mu\text{g}/\text{kg}$ |
| 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 | 101 | % |
| Decachlorobiphenyl | 86 | % |
| U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank | | |

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082A. Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3540C. Sample cleanup was conducted according to SW-846 Method 3665A.

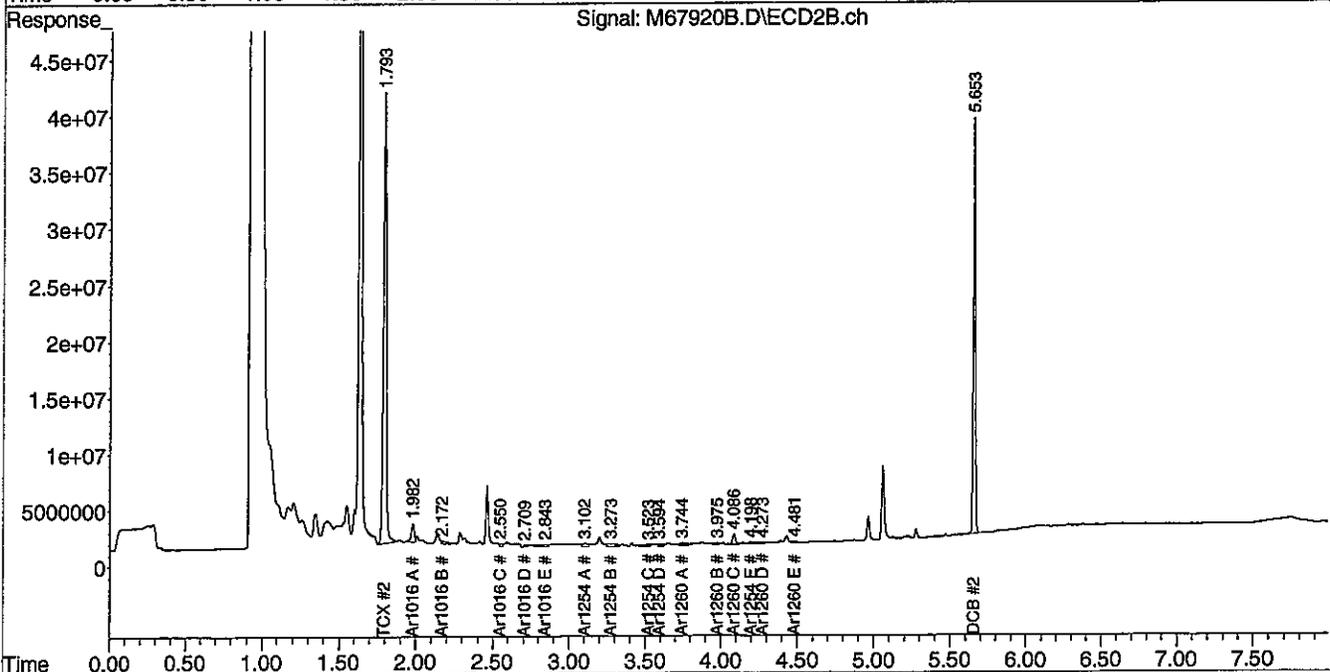
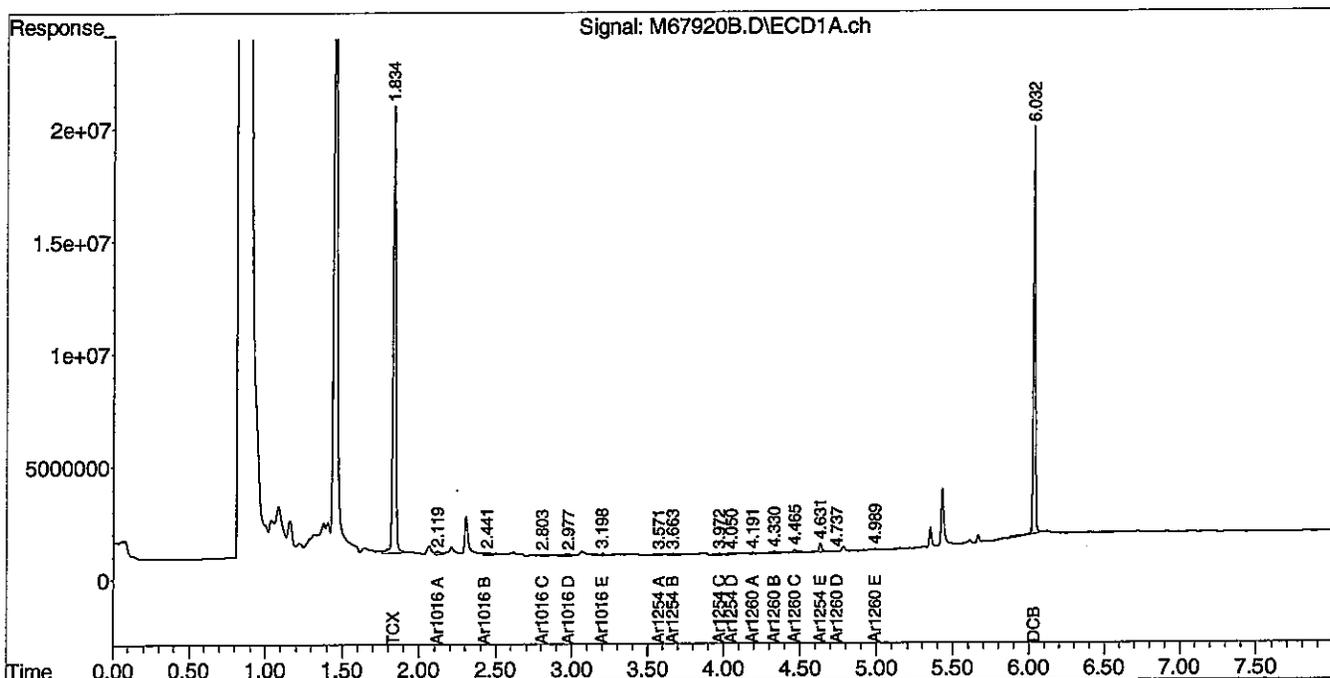
COMMENTS: Results are expressed on a dry weight basis.



Data Path : C:\msdchem\1\DATA\030513-M\
 Data File : M67920B.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 5 Mar 2013 5:39 pm
 Operator : JK
 Sample : B030413PSOX,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: Mar 06 10:43:05 2013
 Quant Method : C:\msdchem\1\METHODS\PCB022813.M
 Quant Title : SW-846 METHOD 8082 Aroclor 1016/1260/1254
 QLast Update : Wed Mar 06 10:28:43 2013
 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



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:

Non-spiked sample: B030413PSOX,,A/C

Spike: L030413PSOX,,A/C

Spike duplicate: LD030413PSOX,,A/C

| COMPOUND | LCS SPIKE | LCSD SPIKE | LOWER | UPPER | RPD | NON-SPIKE | SPIKE | SPIKE | | SPIKE DUP | | SPIKE DUP | | RPD | |
|-------------|---------------|---------------|-------|-------|-------|----------------|----------------|-------|---|----------------|-------|-----------|------|-----|--|
| | ADDED (ug/kg) | ADDED (ug/kg) | LIMIT | LIMIT | LIMIT | RESULT (ug/kg) | RESULT (ug/kg) | % REC | # | RESULT (ug/kg) | % REC | # | RPD | # | |
| PCB 1016 | 200 | 200 | 65 | 140 | 30 | 0 | 177 | 89 | | 264 | 132 | | 39.3 | * | |
| PCB 1260 | 200 | 200 | 60 | 130 | 30 | 0 | 159 | 79 | | 200 | 100 | | 23.2 | | |
| PCB 1016 #2 | 200 | 200 | 65 | 140 | 30 | 0 | 155 | 78 | | 228 | 114 | | 37.8 | * | |
| PCB 1260 #2 | 200 | 200 | 60 | 130 | 30 | 0 | 163 | 82 | | 222 | 111 | | 30.5 | * | |

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: _____

PCB SOIL
MATRIX SPIKE/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:

Non-spiked sample: 74946-1,,A/C

Spike: 74946-1,MS,,A/C

Spike duplicate: 74946-1,MSD,,A/C

| COMPOUND | MS SPIKE | MSD SPIKE | LOWER | UPPER | RPD | NON-SPIKE | SPIKE | | SPIKE DUP | | SPIKE DUP | | RPD | # |
|-------------|---------------|---------------|-------|-------|-------|----------------|----------------|-------|-----------|----------------|-----------|---|------|---|
| | ADDED (ug/kg) | ADDED (ug/kg) | LIMIT | LIMIT | LIMIT | RESULT (ug/kg) | RESULT (ug/kg) | % REC | # | RESULT (ug/kg) | % REC | # | | |
| PCB 1016 | 203 | 204 | 65 | 140 | 30 | 0 | 204 | 100 | | 180 | 88 | | 12.6 | |
| PCB 1260 | 203 | 204 | 60 | 130 | 30 | 174 | 263 | 44 | * | 430 | 125 | | 48.4 | * |
| PCB 1016 #2 | 203 | 204 | 65 | 140 | 30 | 0 | 189 | 93 | | 287 | 140 | | 41.4 | * |
| PCB 1260 #2 | 203 | 204 | 60 | 130 | 30 | 166 | 250 | 42 | * | 440 | 134 | * | 54.9 | * |

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

* Values outside QC limits

MS/MSD 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

Chain of Custody Form

environmental laboratory LLC

195 Commerce Way, Suite E
Portsmouth, NH 03801
(800) 929-9906

(603) 436-5111
(603) 430-2151 Fax

For Analytics Use Only

Samples were: Shipped or hand-delivered 40

1) Shipped or hand-delivered: 40

2) Temperature (°C): 40

3) Received in good condition: Yes No

4) pH checked by: 68302/2213

5) Labels checked by: 68302/2213

| Sample Identification | Sample Date | Sample Time | Field Filtered? Y or N | Preservation Code: | | | | | | | Matrix | No. of Containers | pH checked | Analytics Sample # |
|-----------------------|-------------|-------------|------------------------|----------------------------------|-----------------------------|----------------------|-------------------------|-----------------------------|---------------------------------------|--------------------------------|--------|-------------------|------------|--------------------|
| | | | | VOC: 8260 5242 624 | SVOC: 8270 625 PAH only SIM | Pesticides: 8081 608 | PCB: 608 Soxhlet Y or N | TPH: 8015 (Gas Range) ME427 | TPH: 8015 (Diesel Range) B100M ME4125 | EPA: Full or Ranges only TETPH | | | | |
| SE-SB-218 (2-41) | 2-20 | 1526 | N | <input checked="" type="radio"/> | | | | | | | S | 1 | 74887-27 | |
| SE-SB-236 (6-21) | 2-20 | 1540 | N | <input checked="" type="radio"/> | | | | | | | S | 1 | 74946-1 | |
| SE-SB-236 (2-41) | 2-20 | 1548 | N | <input checked="" type="radio"/> | | | | | | | S | 1 | -2 | |
| SE-SB-236 (4-6) | 2-20 | 1553 | N | <input checked="" type="radio"/> | | | | | | | S | 1 | -3 | |
| SE-SB-236 (1-8) | 2-20 | 1600 | N | <input checked="" type="radio"/> | | | | | | | S | 1 | -4 | |
| SE-SB-236 (8-10) | 2-20 | 1606 | N | <input checked="" type="radio"/> | | | | | | | S | 1 | -5 | |
| SE-SB-236 (10-12) | 2-20 | 1610 | N | <input checked="" type="radio"/> | | | | | | | S | 1 | -6 | |
| SE-SB-236 (12-14) | 2-20 | 1616 | N | <input checked="" type="radio"/> | | | | | | | S | 1 | -7 | |
| SE-SB-231 (8-10) | 2-20 | 1240 | N | <input checked="" type="radio"/> | | | | | | | S | 1 | -22 | |

Matrix Key:
 C = Concrete
 WP = Waste Water
 SW = Surface Water
 E = Extract
 GW = Groundwater
 DW = Drinking Water
 S = Soil / Sludge
 O = Oil
 X = Other

Project Name: MAINE ENCLAW

Project #: 12-3259.1

Company: Summit

Report to: JOHN CRESKY

Address: 640 MAIN ST, LEWISTON, ME 04240

Phone: (807) 745-6009

Quote #:

PO# (if required): 12-3259.1

Comments, Additional Analyses, or Special Instructions:
 ** List requested metals here
 ONLY ANALYZE SE-SB-236 SAMPLES IF PCB RESULTS ABOVE 1 PPM FROM SE-SB-214 ARE REPORTED.

Report Type:
 MCP*
 CTRCP*
 DOD*
 Standard

State:
 NH
 MA
 ME
 CT
 RI
 Other: _____

Level:
 Level II*
 Level III*
 Level IV*
 Standard

State Standard: _____
 (eg. S-1 or GW-1)
 EDD Required: Y* N

Project Requirements:
 *Fee may apply

Relinquished By Sampler: JOHN CRESKY

Relinquished By: General Carrier

Relinquished By: General Carrier

Date: 2-21 **Time:** 9:00

Date: 2/21/13 **Time:** 8:56

Date: _____ **Time:** _____

Sampler Name (Print): JOHN CRESKY

Relinquished By Sampler: General Carrier

Relinquished By: General Carrier

Relinquished By: General Carrier

ANALYTICS SAMPLE RECEIPT CHECKLIST



AEL LAB#: 74946
 CLIENT: Summit
 PROJECT: Maine Energy

COOLER NUMBER: 255
 NUMBER OF COOLERS: 1

A: PRELIMINARY EXAMINATION:

1. Cooler received by (initials): JJB DATE COOLER RECEIVED/OPENED: 2/22/13
2. Circle one: Shipped Hand delivered (If so, skip 3)
3. Did cooler come with a shipping slip? Y N
- 3a. Enter carrier name and airbill number here: 504730
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#: _____
7. Were Custody papers filled out properly (ink, signed, legible, project information 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 enough ice used to chill the cooler? Y N Temp. of cooler: 4°C

B. Log-In: Date samples were logged in: 3/4/13

By: JJB

11. Were all bottles sealed in separate plastic bags? Y N
12. Did all bottles arrive unbroken and were labels in good condition? Y N
13. Were all bottle labels complete (ID, Date, time, etc.)? Y N
14. Did all bottle labels agree with custody papers? Y N
15. Were the correct containers used for the tests indicated? Y N
16. Were samples received at the correct pH? Y N/A
17. Was sufficient amount of sample sent for the tests indicated? Y N
18. Were all samples submitted within holding time? Y N
19. Were all containers used within AEL's expiration date? ** Y N/A
20. Were VOA samples absent of greater than pea-sized bubbles? Y N/A
(Note: Pea-sized bubbles or smaller are acceptable and are not considered to adversely affect volatiles data.)

*If NO, List Sample ID's, Lab #s: _____

When bubbles are present in VOA samples they are labelled from smallest (or no bubbles) to largest. Lab to analyze VOA samples with no bubbles or smallest bubbles first

20. Laboratory labeling verified by (initials): JJB Date: 3/4/13

**The expiration date is recommended by Analytics Environmental Laboratory and not the method. Therefore this does not mean that the results are non-compliant.