analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

November 30, 2009

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

RE: Analytical Results Case Narrative
SME 882-09
Analytics #65250

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 Volatile Organic Compounds (VOCs) by EPA Method 8260B, Volatile Petroleum Hydrocarbons (VPH) using MADEP VPH Method Rev 1.1, May 2004, Extractable Petroleum Hydrocarbons (EPH) using MADEP EPH Method 2004 Rev 1.1 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
- VOC Form I Data Sheet for Samples and Blanks
  - Chromatograms
- VOC Form 3 MS/MSD (LCS) Recoveries
- VPH Form I Data Sheet for Samples and Blanks
  - Chromatograms
- VPH Form 3 MS/MSD (LCS) Recoveries
- EPH Form I Data Sheet for Samples and Blanks
  - Chromatograms
- EPH 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.

Volatile Organic Compounds (VOCs) by EPA 8260B:
The following analytes were not 'J" flagged in this report: Methylene chloride, Diethyl ether, Acetone, Hexachlorobutadiene, and Naphthalene. This narrative is specific to target analytes reported on the Form 1 data pages. Non-target (NT) analyte deviations were not addressed.

Bromomethane, Acetone and Bromoform used quadratic fit for quantitation.

Carbon Tetrachloride had %D greater than 20% in the continuing calibration standards (file#s C72574SC & C72598SC). All other analytes were in control. Results were reported without qualification.

The laboratory control samples (LS11179C/LS11179C2) had some analytes with recoveries outside the laboratory acceptance criteria (see form 3). These analytes were not detected in any samples for this SDG and results were reported without qualification.

The laboratory control samples (L811189C/L811189C2) had some analytes with recoveries outside the laboratory acceptance criteria (see form 3). These analytes were not detected in any samples for this SDG and results were reported without qualification.

The aqueous laboratory control samples (L811189I3/L811189I4) had high recoveries for Methylene chloride and 2-Hexanone. The MS/MSD analyzed on sample 65250-3 had several analyte recoveries and RPDs outside the acceptance criteria (see form 3). These analytes were in control in the laboratory control samples except as stated above. Results were reported without qualification.

Volatile Petroleum Hydrocarbons (VPH):
No results were reported below the quantitation limit for C9-C12 aliphatic range and C9-C10 aromatic range.

Extractable Petroleum Hydrocarbons (EPH):
The MS/MSD analyzed on sample 65250-4 had some analytes with recoveries outside the laboratory acceptance criteria (see form 3). The laboratory control samples (L11129EASE/LD11129EASE) were in control for all analytes. Results were reported without qualification.

PCBs by EPA 8082:
No QC deviations.

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: 65250

Revision: Rev. 0

Re: SME 882-09

Enclosed are the results of the analyses on your sample(s). Samples were received on 06 November 2009 and analyzed for the tests listed below. 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.

Lab Number	Sample Date	Station Location	Analysis	Comments
65250-1	11/05/09	BK-PW-02	EPA 8260 Volatile Organics	
	11/05/09	BK-PW-02	MADEP EPH	
	11/05/09	BK-PW-02	Volatile Petroleum Hydrocarbons	
65250-2	11/05/09	PW-19	EPA 8260 Volatile Organics	
	11/05/09	PW-19	MADEP EPH	
	11/05/09	PW-19	Volatile Petroleum Hydrocarbons	
65250-3	11/05/09	PW-20	EPA 8260 Volatile Organics	
	11/05/09	PW-20	MADEP EPH	
	11/05/09	PW-20	Volatile Petroleum Hydrocarbons	
65250-4	11/05/09	SS-201	EPA 8082 (PCBs only)	
	11/05/09	SS-201	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Maryland, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 11/30/2009

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Enclosed are the results of the analyses on your sample(s). Samples were received on 06 November 2009 and analyzed for the tests listed below. 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.

Lab Number	Sample Date	Station Location	Analysis	Comments
	11/05/09	SS-201	MADEP EPH	
65250-5	11/05/09	Trip Blank	EPA 8260 Volatile Organics	
65250-6	11/05/09	Trip Blank	Electronic Data Deliverable	
	11/05/09	Trip Blank	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Maryland, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

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Stephen L. Knollmeyer Lab. Director

Date 11/30/2009

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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 (DCAA0	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
DATA SUMMARIES

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

November 25, 2009

SAMPLE DATA

Lab Sample ID: B811189C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 11/18/09

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	75	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U	1,3,5-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	91 %	d8-Toluene	103 %	Bromofluorobenzene	98 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

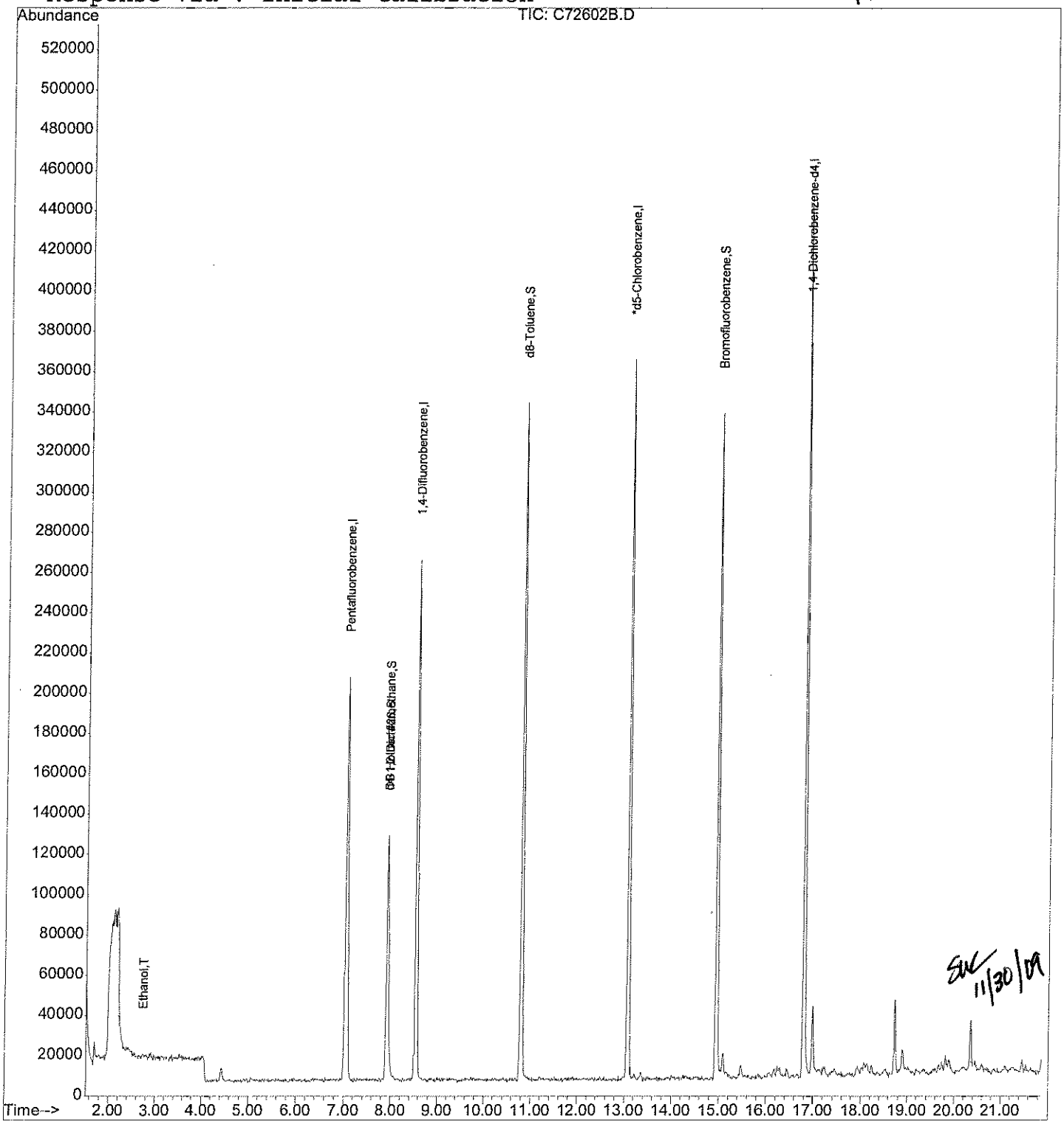
8260 2009 (3):Res(72):Rec(3)

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\111809-C\C72602B.D Vial: 5
Acq On : 18 Nov 2009 4:06 pm Operator: JK
Sample : B811189C Inst : Instr_C
Misc : 5000 W/MEOH Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 18 17:28 2009 Quant Results File: V810299C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V810299C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Fri Oct 30 14:53:00 2009
Response via : Initial Calibration

JK 11-19-09



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

November 25, 2009

SAMPLE DATA

Lab Sample ID: MB11179C
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 11/17/09

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	75	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U	1,3,5-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	86 %	d8-Toluene	95 %	Bromofluorobenzene	91 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.

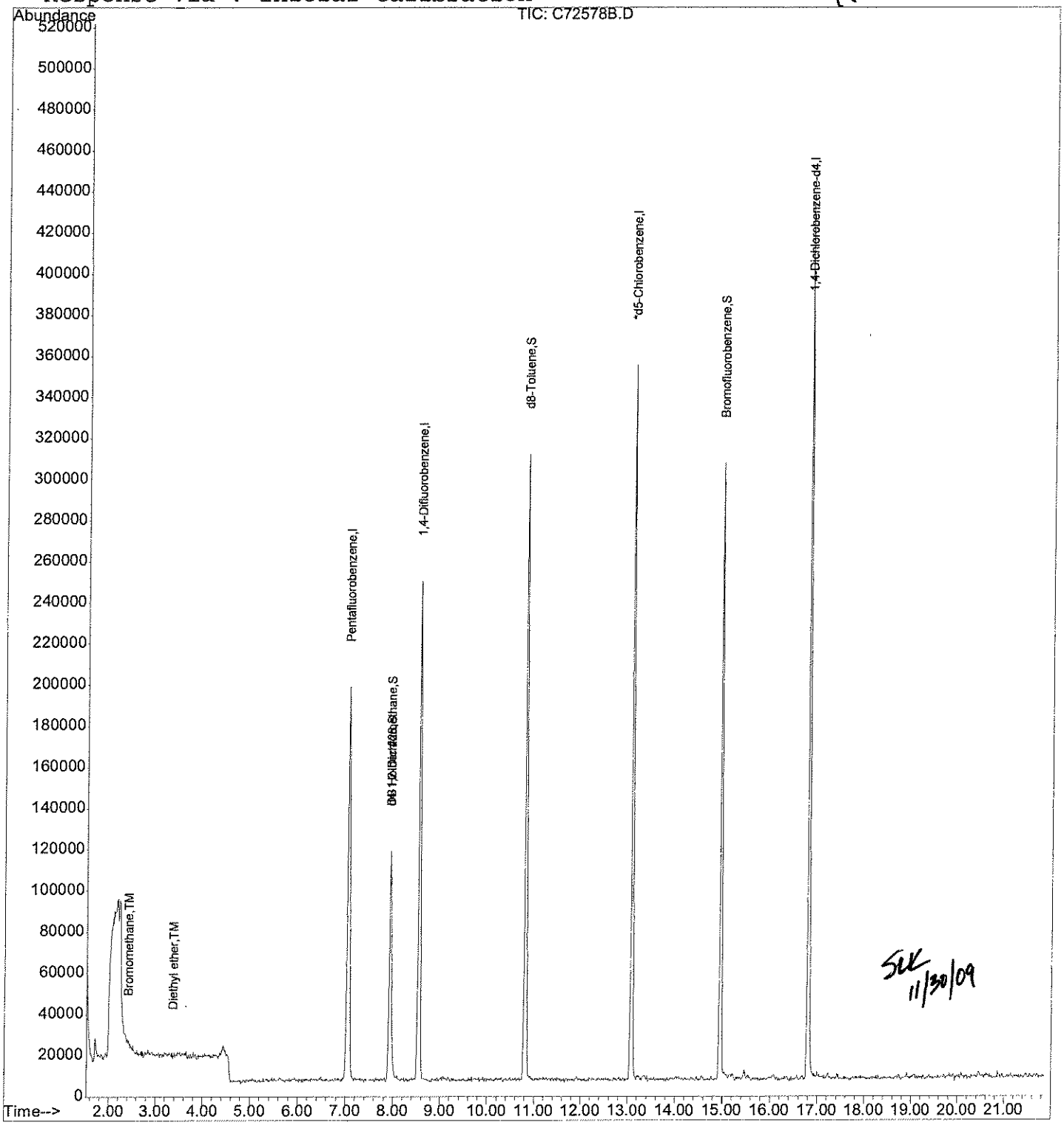
Authorized signature

8260 2009 (3):Res(72):Rec(3)

Data File : C:\HPCHEM\1\DATA\DATA\111709-C\C72578B.D Vial: 2
Acq On : 17 Nov 2009 2:06 pm Operator: JK
Sample : MB11179C Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 14:23 2009 Quant Results File: V810299C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V810299C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Fri Oct 30 14:53:00 2009
Response via : Initial Calibration

JK 11-13-09



SEK 11/30/09

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

November 25, 2009

SAMPLE DATA

Lab Sample ID: B81118912
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: N/A
Lab Receipt Date: N/A
Analysis Date: 11/19/09

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Field Sample ID: LAB QC

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	1	U	1,3-Dichloropropane	1	U
Bromobenzene	1	U	cis-1,3-Dichloropropene	1	U
Bromochloromethane	1	U	trans-1,3-Dichloropropene	1	U
Bromodichloromethane	1	U	2,2-Dichloropropane	1	U
Bromoform	1	U	1,1-Dichloropropene	1	U
Bromomethane	1	U	Ethylbenzene	1	U
n-butylbenzene	1	U	Hexachlorobutadiene	1	U
sec-butylbenzene	1	U	Isopropylbenzene	1	U
tert-butylbenzene	1	U	p-isopropyltoluene	1	U
Carbon Tetrachloride	1	U	Methylene Chloride	5	U
Chlorobenzene	1	U	Methyl-tert-butyl ether (MTBE)	1	U
Chloroethane	1	U	Naphthalene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Chloromethane	1	U	Styrene	1	U
2-Chlorotoluene	1	U	1,1,1,2-Tetrachloroethane	1	U
4-Chlorotoluene	1	U	1,1,2,2-Tetrachloroethane	1	U
Dibromochloromethane	1	U	Tetrachloroethene	1	U
1,2-Dibromo-3-chloropropane	1	U	Toluene	1	U
1,2-Dibromoethane	1	U	1,2,3-Trichlorobenzene	1	U
Dibromomethane	1	U	1,2,4-Trichlorobenzene	1	U
1,2-Dichlorobenzene	1	U	1,1,1-Trichloroethane	1	U
1,3-Dichlorobenzene	1	U	1,1,2-Trichloroethane	1	U
1,4-Dichlorobenzene	1	U	Trichloroethene	1	U
Dichlorodifluoromethane	1	U	Trichlorofluoromethane	1	U
1,1-Dichloroethane	1	U	1,2,3-Trichloropropane	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
1,1-Dichloroethene	1	U	1,3,5-Trimethylbenzene	1	U
cis-1,2-Dichloroethene	1	U	Vinyl Chloride	1	U
trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,2-Dichloropropane	1	U	m,p-Xylene	1	U
Acetone	10	U	Diethyl ether	1	U
Carbon Disulfide	1	U	2-Hexanone	10	U
Tetrahydrofuran	2	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	1	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	1	U
t-Amyl methyl ether (TAME)	1	U	1,3,5-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	104 %	d8-Toluene	101 %	Bromofluorobenzene	98 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

Authorized signature

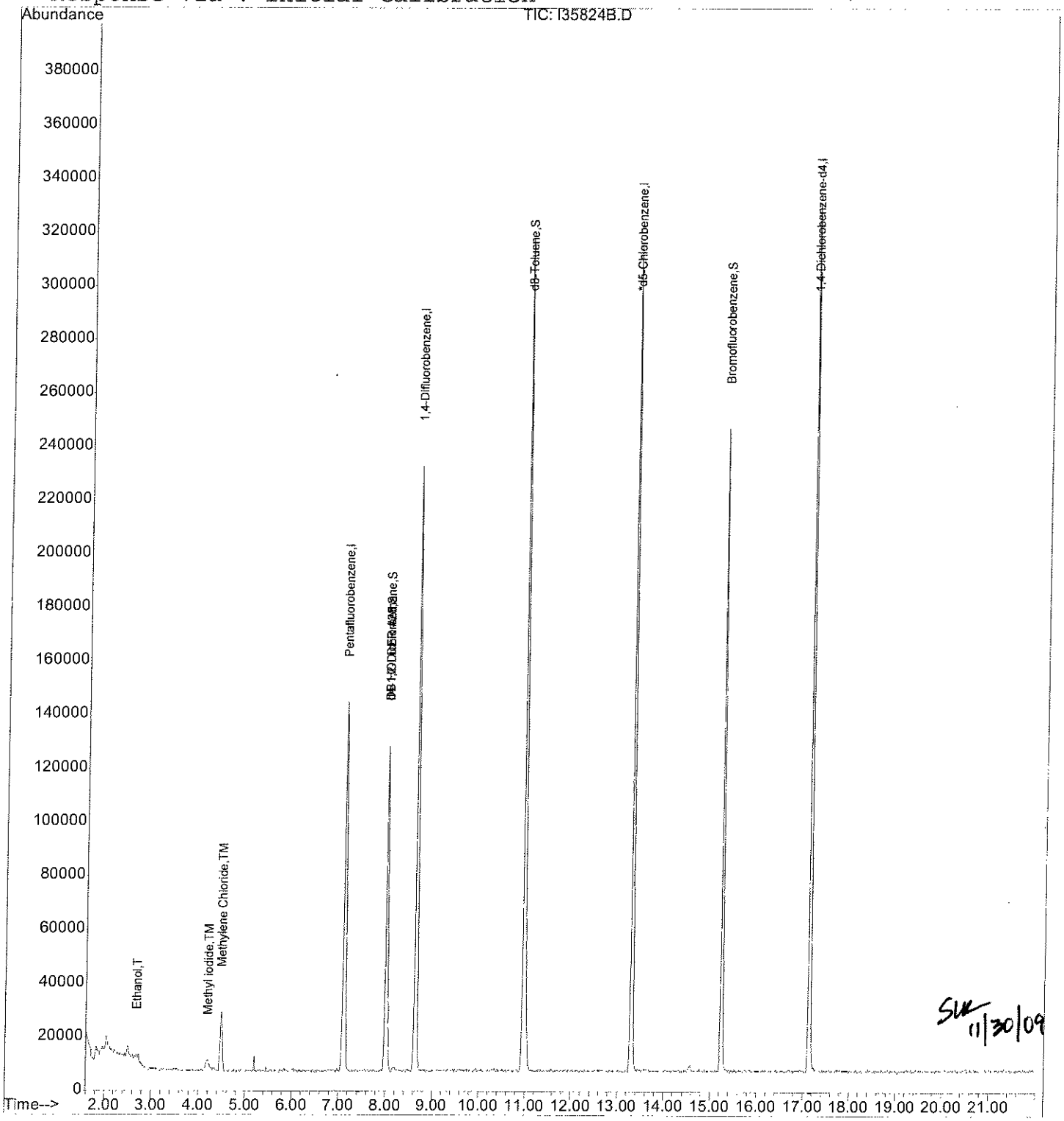
8260 2009 (3):Res(72):Rec(3)

Data File : D:\HPCHEM\DATA\111809-I\I35824B.D
Acq On : 19 Nov 2009 2:13 am
Sample : B811189I2
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Nov 19 9:36 2009

Vial: 32
Operator: JK
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: V811169I.RES

Method : D:\HPCHEM\METHODS\V811169I.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Nov 18 13:50:31 2009
Response via : Initial Calibration

JK 11.19.09



SLK 11/30/09

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

November 25, 2009

SAMPLE DATA

Lab Sample ID: 65250-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 11/05/09
Lab Receipt Date: 11/06/09
Analysis Date: 11/19/09

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Field Sample ID: BK-PW-02

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	1	U	1,3-Dichloropropane	1	U
Bromobenzene	1	U	cis-1,3-Dichloropropene	1	U
Bromochloromethane	1	U	trans-1,3-Dichloropropene	1	U
Bromodichloromethane	1	U	2,2-Dichloropropane	1	U
Bromoform	1	U	1,1-Dichloropropene	1	U
Bromomethane	1	U	Ethylbenzene	1	U
n-butylbenzene	1	U	Hexachlorobutadiene	1	U
sec-butylbenzene	1	U	Isopropylbenzene	1	U
tert-butylbenzene	1	U	p-isopropyltoluene	1	U
Carbon Tetrachloride	1	U	Methylene Chloride	5	U
Chlorobenzene	1	U	Methyl-tert-butyl ether (MTBE)	1	U
Chloroethane	1	U	Naphthalene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Chloromethane	1	U	Styrene	1	U
2-Chlorotoluene	1	U	1,1,1,2-Tetrachloroethane	1	U
4-Chlorotoluene	1	U	1,1,2,2-Tetrachloroethane	1	U
Dibromochloromethane	1	U	Tetrachloroethene	1	U
1,2-Dibromo-3-chloropropane	1	U	Toluene	1	U
1,2-Dibromoethane	1	U	1,2,3-Trichlorobenzene	1	U
Dibromomethane	1	U	1,2,4-Trichlorobenzene	1	U
1,2-Dichlorobenzene	1	U	1,1,1-Trichloroethane	1	U
1,3-Dichlorobenzene	1	U	1,1,2-Trichloroethane	1	U
1,4-Dichlorobenzene	1	U	Trichloroethene	1	U
Dichlorodifluoromethane	1	U	Trichlorofluoromethane	1	U
1,1-Dichloroethane	1	U	1,2,3-Trichloropropane	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
1,1-Dichloroethene	1	U	1,3,5-Trimethylbenzene	1	U
cis-1,2-Dichloroethene	1	U	Vinyl Chloride	1	U
trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,2-Dichloropropane	1	U	m,p-Xylene	1	U
Acetone	10	U	Diethyl ether	1	U
Carbon Disulfide	1	U	2-Hexanone	10	U
Tetrahydrofuran	2	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	1	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	1	U
t-Amyl methyl ether (TAME)	1	U	1,3,5-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	107 %	d8-Toluene	103 %	Bromofluorobenzene	95 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

Authorized signature

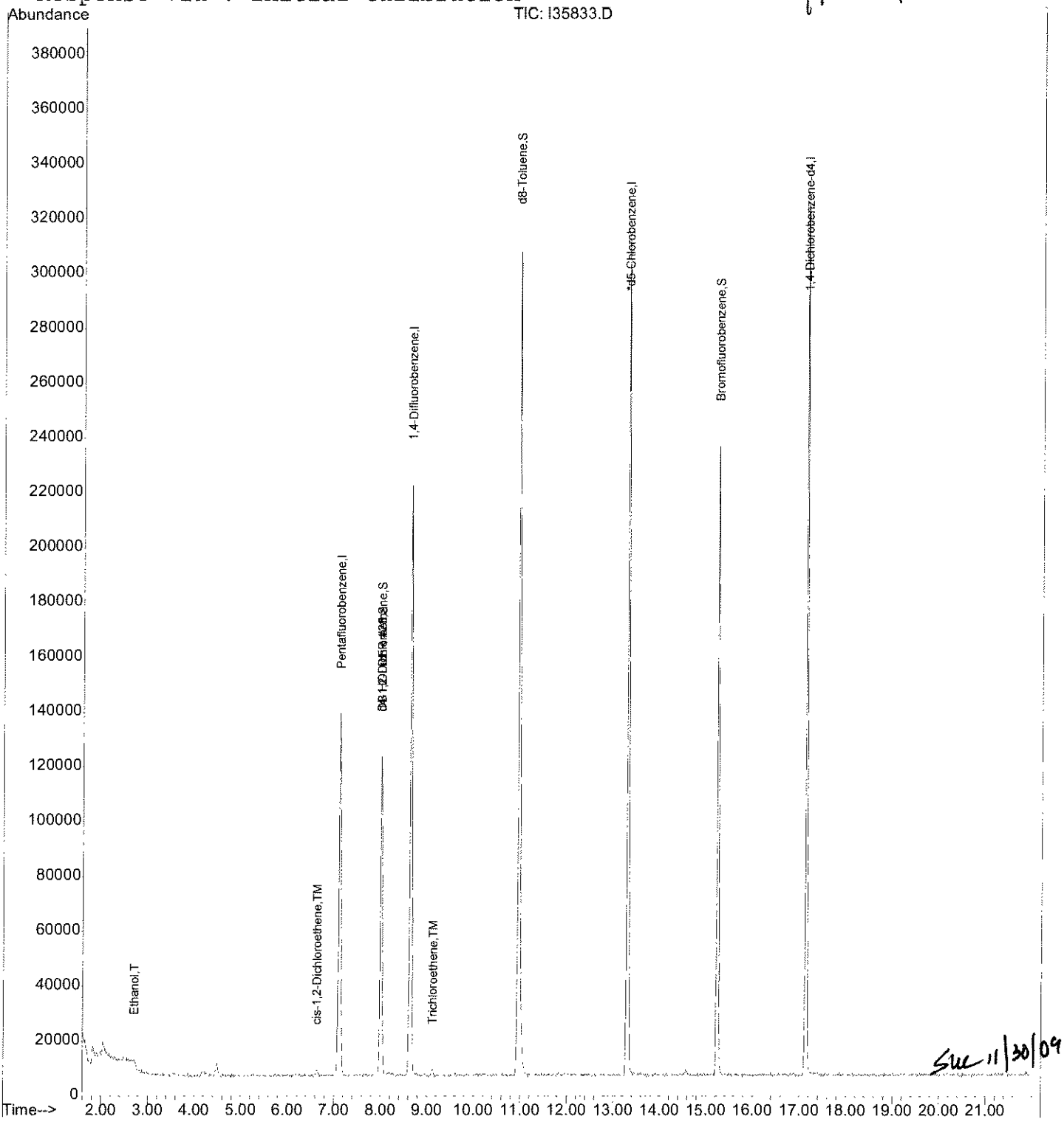
8260 2009 (3):Res(72):Rec(3)

Quantitation Report

Data File : D:\HPCHEM\DATA\111809-I\I35833.D Vial: 41
Acq On : 19 Nov 2009 6:38 am Operator: JK
Sample : 65250-1 Inst : GC/MS Ins
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 19 9:37 2009 Quant Results File: V811169I.RES

Method : D:\HPCHEM\METHODS\V811169I.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Nov 18 13:50:31 2009
Response via : Initial Calibration

JK 11·19·09



SLC 11/30/09

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

November 25, 2009

SAMPLE DATA

Lab Sample ID: 65250-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 11/05/09
Lab Receipt Date: 11/06/09
Analysis Date: 11/19/09

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Field Sample ID: PW-19

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	1	U	1,3-Dichloropropane	1	U
Bromobenzene	1	U	cis-1,3-Dichloropropene	1	U
Bromochloromethane	1	U	trans-1,3-Dichloropropene	1	U
Bromodichloromethane	1	U	2,2-Dichloropropane	1	U
Bromoform	1	U	1,1-Dichloropropene	1	U
Bromomethane	1	U	Ethylbenzene	1	U
n-butylbenzene	1	U	Hexachlorobutadiene	1	U
sec-butylbenzene	1	U	Isopropylbenzene	1	U
tert-butylbenzene	1	U	p-isopropyltoluene	1	U
Carbon Tetrachloride	1	U	Methylene Chloride	5	U
Chlorobenzene	1	U	Methyl-tert-butyl ether (MTBE)	1	U
Chloroethane	1	U	Naphthalene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Chloromethane	1	U	Styrene	1	U
2-Chlorotoluene	1	U	1,1,1,2-Tetrachloroethane	1	U
4-Chlorotoluene	1	U	1,1,2,2-Tetrachloroethane	1	U
Dibromochloromethane	1	U	Tetrachloroethene	1	U
1,2-Dibromo-3-chloropropane	1	U	Toluene	1	U
1,2-Dibromoethane	1	U	1,2,3-Trichlorobenzene	1	U
Dibromomethane	1	U	1,2,4-Trichlorobenzene	1	U
1,2-Dichlorobenzene	1	U	1,1,1-Trichloroethane	1	U
1,3-Dichlorobenzene	1	U	1,1,2-Trichloroethane	1	U
1,4-Dichlorobenzene	1	U	Trichloroethene	1	U
Dichlorodifluoromethane	1	U	Trichlorofluoromethane	1	U
1,1-Dichloroethane	1	U	1,2,3-Trichloropropane	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
1,1-Dichloroethene	1	U	1,3,5-Trimethylbenzene	1	U
cis-1,2-Dichloroethene	1	U	Vinyl Chloride	1	U
trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,2-Dichloropropane	1	U	m,p-Xylene	1	U
Acetone	10	U	Diethyl ether	1	U
Carbon Disulfide	1	U	2-Hexanone	10	U
Tetrahydrofuran	2	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	1	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	1	U
t-Amyl methyl ether (TAME)	1	U	1,3,5-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	107 %	d8-Toluene	100 %	Bromofluorobenzene	101 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

Authorized signature

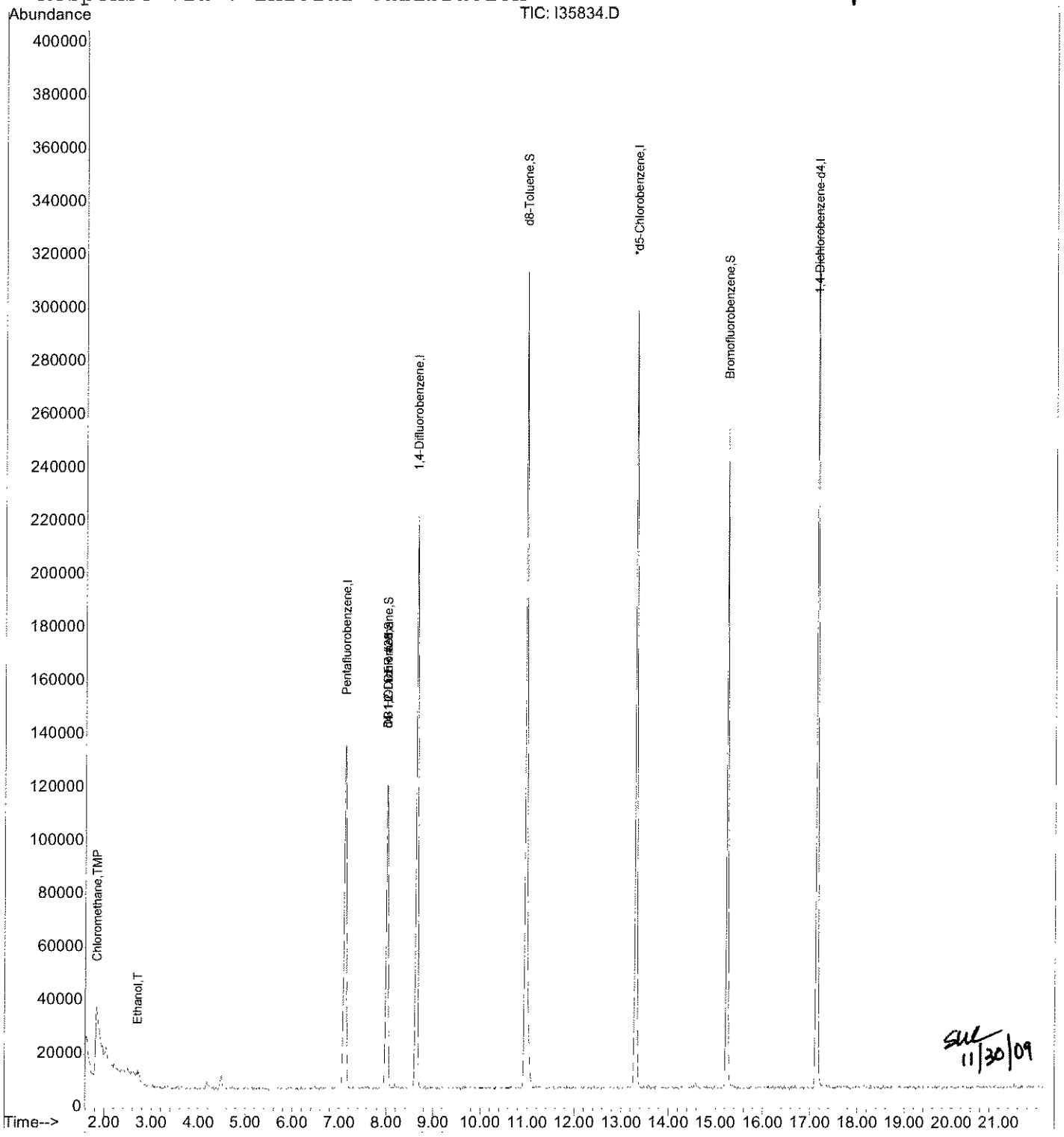
8260 2009 (3):Res(72):Rec(3)

Quantitation Report

Data File : D:\HPCHEM\DATA\111809-I\I35834.D Vial: 42
Acq On : 19 Nov 2009 7:11 am Operator: JK
Sample : 65250-2 Inst : GC/MS Ins
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 19 9:37 2009 Quant Results File: V811169I.RES

Method : D:\HPCHEM\METHODS\V811169I.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Nov 18 13:50:31 2009
Response via : Initial Calibration

JK 11-19-09



SUC 11/30/09

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November 25, 2009

SAMPLE DATA

Lab Sample ID: 65250-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 11/05/09
Lab Receipt Date: 11/06/09
Analysis Date: 11/19/09

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Field Sample ID: PW-20

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	1	U	1,3-Dichloropropane	1	U
Bromobenzene	1	U	cis-1,3-Dichloropropene	1	U
Bromochloromethane	1	U	trans-1,3-Dichloropropene	1	U
Bromodichloromethane	1	U	2,2-Dichloropropane	1	U
Bromoform	1	U	1,1-Dichloropropene	1	U
Bromomethane	1	U	Ethylbenzene	1	U
n-butylbenzene	1	U	Hexachlorobutadiene	1	U
sec-butylbenzene	1	U	Isopropylbenzene	1	U
tert-butylbenzene	1	U	p-isopropyltoluene	1	U
Carbon Tetrachloride	1	U	Methylene Chloride	5	U
Chlorobenzene	1	U	Methyl-tert-butyl ether (MTBE)	1	U
Chloroethane	1	U	Naphthalene	1	U
Chloroform	1	U	n-Propylbenzene	1	U
Chloromethane	1	U	Styrene	1	U
2-Chlorotoluene	1	U	1,1,1,2-Tetrachloroethane	1	U
4-Chlorotoluene	1	U	1,1,2,2-Tetrachloroethane	1	U
Dibromochloromethane	1	U	Tetrachloroethene	1	U
1,2-Dibromo-3-chloropropane	1	U	Toluene	1	U
1,2-Dibromoethane	1	U	1,2,3-Trichlorobenzene	1	U
Dibromomethane	1	U	1,2,4-Trichlorobenzene	1	U
1,2-Dichlorobenzene	1	U	1,1,1-Trichloroethane	1	U
1,3-Dichlorobenzene	1	U	1,1,2-Trichloroethane	1	U
1,4-Dichlorobenzene	1	U	Trichloroethene	1	U
Dichlorodifluoromethane	1	U	Trichlorofluoromethane	1	U
1,1-Dichloroethane	1	U	1,2,3-Trichloropropane	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
1,1-Dichloroethene	1	U	1,3,5-Trimethylbenzene	1	U
cis-1,2-Dichloroethene	1	U	Vinyl Chloride	1	U
trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,2-Dichloropropane	1	U	m,p-Xylene	1	U
Acetone	10	U	Diethyl ether	1	U
Carbon Disulfide	1	U	2-Hexanone	10	U
Tetrahydrofuran	2	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	1	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	1	U
t-Amyl methyl ether (TAME)	1	U	1,3,5-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	107 %	d8-Toluene	103 %	Bromofluorobenzene	95 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

Authorized signature

8260 2009 (3):Res(72):Rec(3)

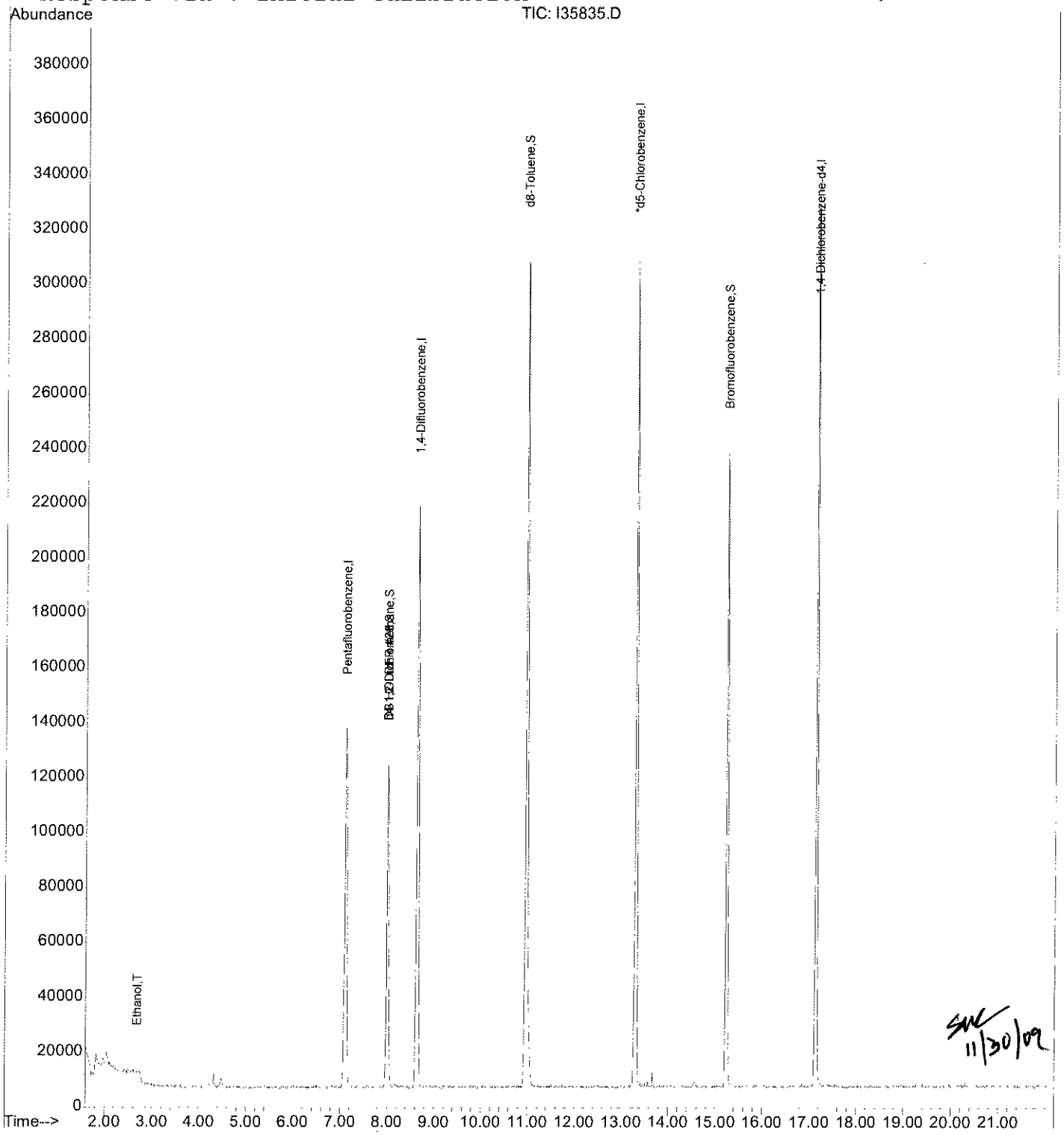
Quantitation Report

Data File : D:\HPCHEM\DATA\111809-I\I35835.D
Acq On : 19 Nov 2009 7:44 am
Sample : 65250-3
Misc : 5000
MS Integration Params: rteint.p
Quant Time: Nov 19 9:37 2009

Vial: 43
Operator: JK
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: V811169I.RES

Method : D:\HPCHEM\METHODS\V811169I.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Nov 18 13:50:31 2009
Response via : Initial Calibration

JK 11-19-09



SNC 11/30/09

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Mr. Herb Kodis
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Yarmouth, ME 04096-1107

November 25, 2009

SAMPLE DATA

Lab Sample ID: 65250-4
Matrix: Solid
Percent Solid: 70
Dilution Factor: 147
Collection Date: 11/05/09
Lab Receipt Date: 11/06/09
Analysis Date: 11/18/09

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Field Sample ID: SS-201

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	147	U	1,3-Dichloropropane	147	U
Bromobenzene	147	U	cis-1,3-Dichloropropene	147	U
Bromochloromethane	147	U	trans-1,3-Dichloropropene	147	U
Bromodichloromethane	110	U	2,2-Dichloropropane	147	U
Bromoform	110	U	1,1-Dichloropropene	147	U
Bromomethane	147	U	Ethylbenzene	147	U
n-butylbenzene	147	U	Hexachlorobutadiene	147	U
sec-butylbenzene	147	U	Isopropylbenzene	147	U
tert-butylbenzene	147	U	p-isopropyltoluene	147	U
Carbon Tetrachloride	147	U	Methylene Chloride	736	U
Chlorobenzene	147	U	Methyl-tert-butyl ether (MTBE)	110	U
Chloroethane	147	U	Naphthalene	147	U
Chloroform	110	U	n-Propylbenzene	147	U
Chloromethane	147	U	Styrene	147	U
2-Chlorotoluene	147	U	1,1,1,2-Tetrachloroethane	147	U
4-Chlorotoluene	147	U	1,1,2,2-Tetrachloroethane	110	U
Dibromochloromethane	110	U	Tetrachloroethene	147	U
1,2-Dibromo-3-chloropropane	147	U	Toluene	147	U
1,2-Dibromoethane	110	U	1,2,3-Trichlorobenzene	147	U
Dibromomethane	147	U	1,2,4-Trichlorobenzene	147	U
1,2-Dichlorobenzene	147	U	1,1,1-Trichloroethane	147	U
1,3-Dichlorobenzene	147	U	1,1,2-Trichloroethane	110	U
1,4-Dichlorobenzene	147	U	Trichloroethene	147	U
Dichlorodifluoromethane	147	U	Trichlorofluoromethane	147	U
1,1-Dichloroethane	147	U	1,2,3-Trichloropropane	147	U
1,2-Dichloroethane	110	U	1,2,4-Trimethylbenzene	147	U
1,1-Dichloroethene	110	U	1,3,5-Trimethylbenzene	147	U
cis-1,2-Dichloroethene	147	U	Vinyl Chloride	147	U
trans-1,2-Dichloroethene	147	U	o-Xylene	147	U
1,2-Dichloropropane	110	U	m,p-Xylene	147	U
Acetone	1470	U	Diethyl ether	147	U
Carbon Disulfide	147	U	2-Hexanone	1470	U
Tetrahydrofuran	736	U	Methyl isobutyl ketone	1470	U
Methyl ethyl ketone	1470	U	Di-isopropyl ether (DIPE)	147	U
t-Butyl alcohol (TBA)	2950	U	Ethyl t-butyl ether (ETBE)	147	U
t-Amyl methyl ether (TAME)	147	U	1,3,5-Trichlorobenzene	147	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	72 %	d8-Toluene	79 %	Bromofluorobenzene	72 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 2009 (3):Res(72):Rec(3)

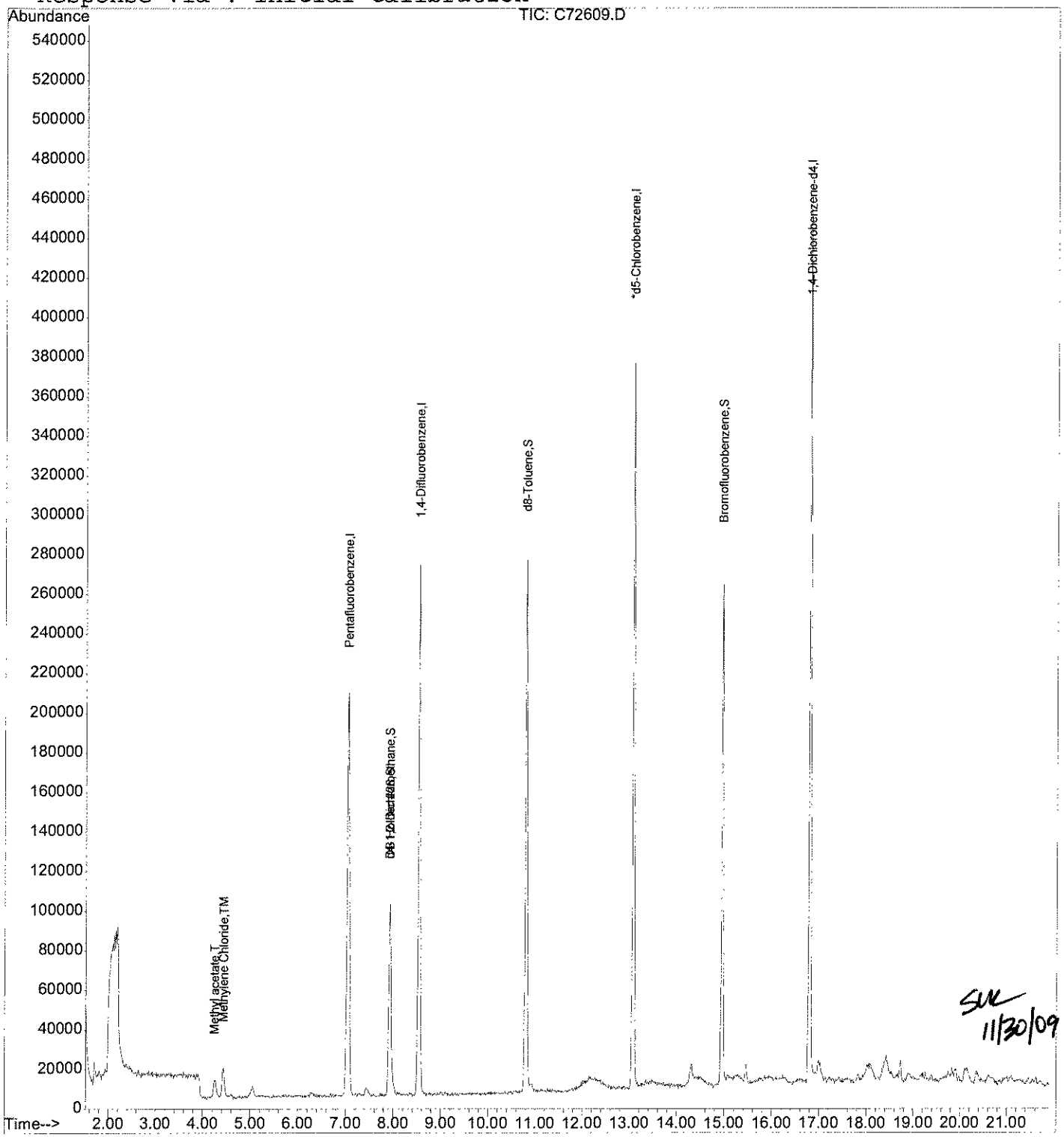
Authorized signature

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\111809-C\C72609.D Vial: 14
Acq On : 18 Nov 2009 8:14 pm Operator: JK
Sample : 65250-4 Inst : Instr_C
Misc : 50,9.70,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 19 7:42 2009 Quant Results File: V810299C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V810299C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Fri Oct 30 14:53:00 2009
Response via : Initial Calibration

UL 11.19.09



SUL 11/30/09

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PO Box 1107
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November 25, 2009

SAMPLE DATA

Lab Sample ID: 65250-5
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 11/05/09
Lab Receipt Date: 11/06/09
Analysis Date: 11/19/09

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	1	U	1,3-Dichloropropane	1	U
Bromobenzene	1	U	cis-1,3-Dichloropropene	1	U
Bromochloromethane	1	U	trans-1,3-Dichloropropene	1	U
Bromodichloromethane	1	U	2,2-Dichloropropane	1	U
Bromoform	1	U	1,1-Dichloropropene	1	U
Bromomethane	1	U	Ethylbenzene	1	U
n-butylbenzene	1	U	Hexachlorobutadiene	1	U
sec-butylbenzene	1	U	Isopropylbenzene	1	U
tert-butylbenzene	1	U	p-isopropyltoluene	1	U
Carbon Tetrachloride	1	U	Methylene Chloride	5	U
Chlorobenzene	1	U	Methyl-tert-butyl ether (MTBE)	1	U
Chloroethane	1	U	Naphthalene	1	U
Chloroform	1	**1.2**	n-Propylbenzene	1	U
Chloromethane	1	U	Styrene	1	U
2-Chlorotoluene	1	U	1,1,1,2-Tetrachloroethane	1	U
4-Chlorotoluene	1	U	1,1,2,2-Tetrachloroethane	1	U
Dibromochloromethane	1	U	Tetrachloroethene	1	U
1,2-Dibromo-3-chloropropane	1	U	Toluene	1	U
1,2-Dibromoethane	1	U	1,2,3-Trichlorobenzene	1	U
Dibromomethane	1	U	1,2,4-Trichlorobenzene	1	U
1,2-Dichlorobenzene	1	U	1,1,1-Trichloroethane	1	U
1,3-Dichlorobenzene	1	U	1,1,2-Trichloroethane	1	U
1,4-Dichlorobenzene	1	U	Trichloroethene	1	U
Dichlorodifluoromethane	1	U	Trichlorofluoromethane	1	U
1,1-Dichloroethane	1	U	1,2,3-Trichloropropane	1	U
1,2-Dichloroethane	1	U	1,2,4-Trimethylbenzene	1	U
1,1-Dichloroethene	1	U	1,3,5-Trimethylbenzene	1	U
cis-1,2-Dichloroethene	1	U	Vinyl Chloride	1	U
trans-1,2-Dichloroethene	1	U	o-Xylene	1	U
1,2-Dichloropropane	1	U	m,p-Xylene	1	U
Acetone	10	U	Diethyl ether	1	U
Carbon Disulfide	1	U	2-Hexanone	10	U
Tetrahydrofuran	2	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	1	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	1	U
t-Amyl methyl ether (TAME)	1	U	1,3,5-Trichlorobenzene	1	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	105 %	d8-Toluene	100 %	Bromofluorobenzene	99 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Trip Blank was not provided by Analytics Environmental Laboratory.

Authorized signature

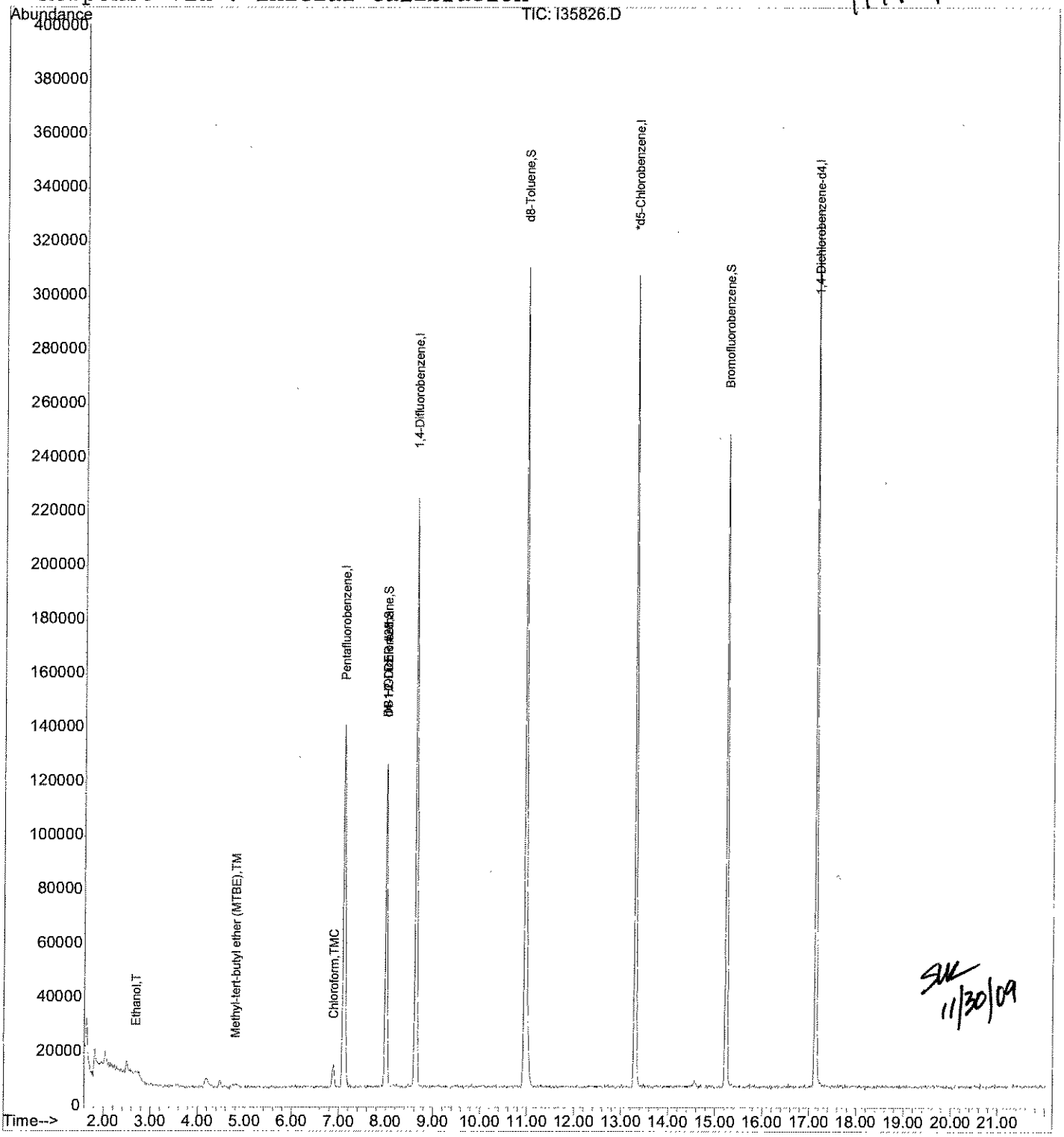
8260 2009 (3):Res(72):Rec(3)

Quantitation Report

Data File : D:\HPCHEM\DATA\111809-I\I35826.D Vial: 34
Acq On : 19 Nov 2009 3:19 am Operator: JK
Sample : 65250-5 Inst : GC/MS Ins
Misc : 5000 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 19 9:37 2009 Quant Results File: V811169I.RES

Method : D:\HPCHEM\METHODS\V811169I.M (RTE Integrator)
Title : 8260 Purgable Organics
Last Update : Wed Nov 18 13:50:31 2009
Response via : Initial Calibration

JK 11·19·09



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November 25, 2009

SAMPLE DATA

Lab Sample ID: 65250-6
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 11/05/09
Lab Receipt Date: 11/06/09
Analysis Date: 11/17/09

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	75	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U	1,3,5-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	90 %	d8-Toluene	101 %	Bromofluorobenzene	96 %

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

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

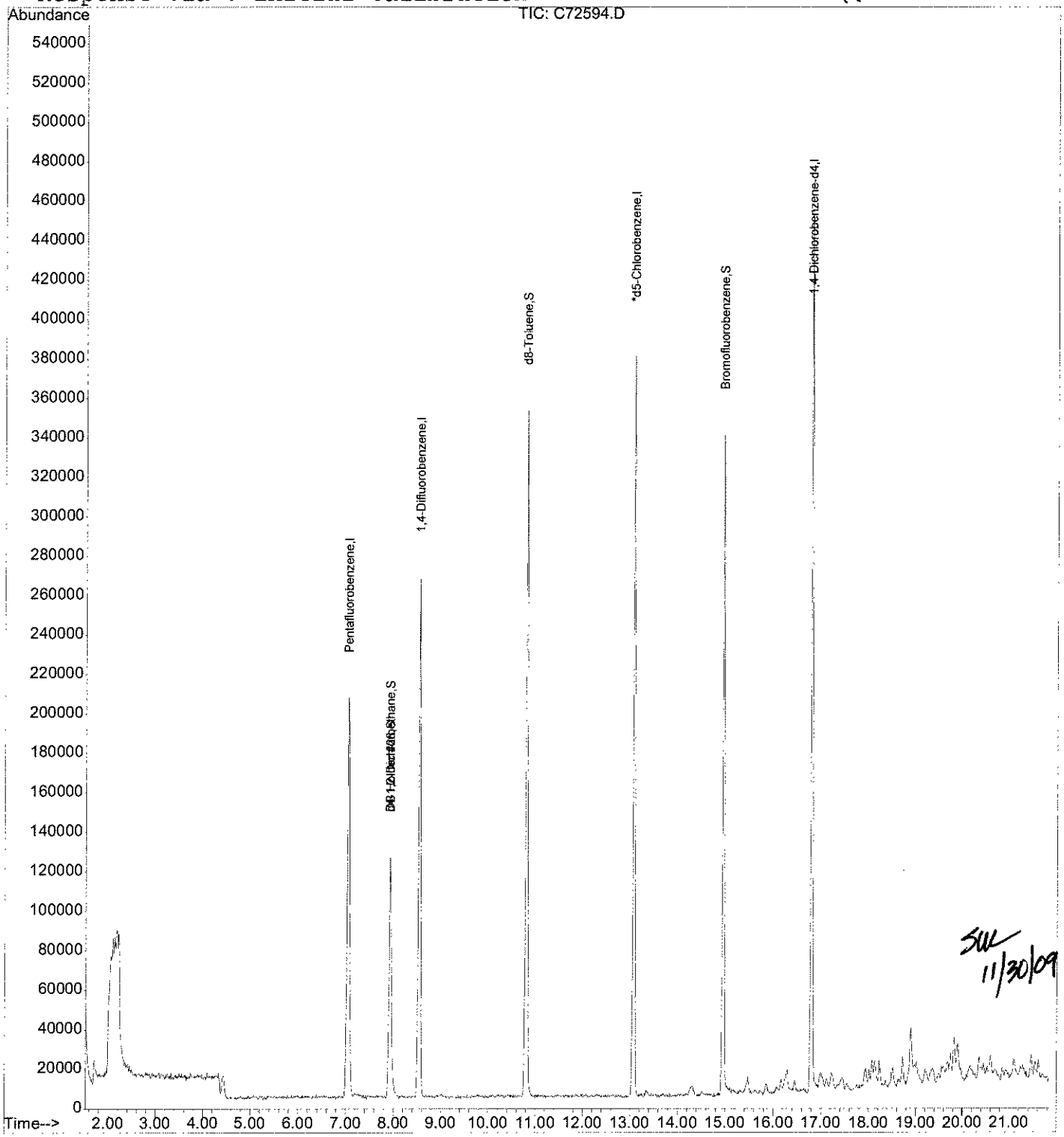
8260 2009 (3):Res(72):Rec(3)

Quantitation Report

Data File : C:\HPCHEM\1\DATA\DATA\111709-C\C72594.D Vial: 4
Acq On : 17 Nov 2009 9:58 pm Operator: JK
Sample : 65250-6 Inst : Instr_C
Misc : 50,10.00,SOIL Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 18 9:16 2009 Quant Results File: V810299C.RES

Method : C:\HPCHEM\1\METHODS\MATHODS\METHODS\V810299C.M (RTE Integrat
Title : 8260 Purgable Organics
Last Update : Fri Oct 30 14:53:00 2009
Response via : Initial Calibration

JL 11.18.09



SUL 11/30/09

VOLATILE
QC FORMS

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

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 65250
Non-spiked sample: MB11179C
Spike: LS11179C
Spike duplicate: LS11179C2

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	#
Dichlorodifluoromethane	2000	2000	49	82	25	0	1221	61		1117	56		9	
Chloromethane	2000	2000	75	125	25	0	1450	73	*	1345	67	*	8	
Vinyl Chloride	2000	2000	75	125	25	0	1412	71	*	1327	66	*	6	
Bromomethane	2000	2000	75	125	25	0	1863	93		1768	88		5	
Chloroethane	2000	2000	75	125	25	0	1651	83		1649	82		0	
t-Butyl alcohol (TBA)	10000	10000	60	140	25	0	11031	110		10062	101		9	
Trichlorofluoromethane	2000	2000	75	125	25	0	1483	74	*	1447	72	*	2	
Diethyl ether	2000	2000	75	125	25	0	2393	120		1863	93		25	
1,1,2-Trichlorotrifluoroethane	2000	2000	75	125	25	0	1860	93		1957	98		5	
Acetone	5000	5000	75	125	25	0	3479	70	*	4103	82		16	
1,1-Dichloroethene	2000	2000	75	125	25	0	2029	101		1908	95		6	
Methyl iodide	2000	2000	75	125	25	0	1854	93		1787	89		4	
Di-isopropyl ether (DIPE)	2000	2000	75	125	25	0	2035	102		1955	98		4	
Methylene Chloride	2000	2000	75	125	25	0	1952	98		1952	98		0	
Carbon Disulfide	2000	2000	75	125	25	0	2249	112		2135	107		5	
Acrylonitrile	2000	2000	75	125	25	0	2038	102		1769	88		14	
Methyl-tert-butyl ether (MTBE)	2000	2000	75	125	25	0	1833	92		1782	89		3	
trans-1,2-Dichloroethene	2000	2000	75	125	25	0	1902	95		1822	91		4	
1,1-Dichloroethane	2000	2000	75	125	25	0	1969	98		1888	94		4	
Methyl ethyl ketone	5000	5000	60	140	25	0	5542	111		5222	104		6	
Ethyl t-butyl ether (ETBE)	2000	2000	75	125	25	0	1916	96		1864	93		3	
2,2-Dichloropropane	2000	2000	75	125	25	0	1783	89		1820	91		2	
cis-1,2-Dichloroethene	2000	2000	75	125	25	0	2048	102		1960	98		4	
t-Amyl methyl ether (TAME)	2000	2000	75	125	25	0	1880	94		1836	92		2	
Chloroform	2000	2000	75	125	25	0	1877	94		1872	94		0	
Bromochloromethane	2000	2000	75	125	25	0	1940	97		1924	96		1	
Tetrahydrofuran	2000	2000	60	140	25	0	2020	101		1983	99		2	
1,1,1-Trichloroethane	2000	2000	75	125	25	0	1712	86		1682	84		2	
1,1-Dichloropropene	2000	2000	75	125	25	0	1930	96		1843	92		5	
Carbon Tetrachloride	2000	2000	75	125	25	0	1405	70	*	1373	69	*	2	
1,2-Dichloroethane	2000	2000	75	125	25	0	1707	85		1661	83		3	
Benzene	2000	2000	75	125	25	0	2116	106		2074	104		2	
Trichloroethene	2000	2000	75	125	25	0	1770	89		1723	86		3	
1,2-Dichloropropane	2000	2000	75	125	25	0	1972	99		1917	96		3	
Methylmethacrylate	2000	2000	75	125	25	0	1827	91		1865	93		2	
Bromodichloromethane	2000	2000	75	125	25	0	1664	83		1630	81		2	
Dibromomethane	2000	2000	75	125	25	0	1803	90		1801	90		0	
2-Hexanone	5000	5000	75	125	25	0	5285	106		5114	102		3	
Methyl isobutyl ketone	5000	5000	75	125	25	0	5049	101		5016	100		1	
cis-1,3-Dichloropropene	2000	2000	75	125	25	0	1889	94		1840	92		3	
Toluene	2000	2000	75	125	25	0	1973	99		1911	96		3	
trans-1,3-Dichloropropene	2000	2000	75	125	25	0	1734	87		1727	86		0	
1,1,2-Trichloroethane	2000	2000	75	125	25	0	1861	93		1923	96		3	
1,3-Dichloropropane	2000	2000	75	125	25	0	1905	95		1849	92		3	
Tetrachloroethene	2000	2000	75	125	25	0	1705	85		1683	84		1	
Dibromochloromethane	2000	2000	75	125	25	0	1765	88		1747	87		1	
1,2-Dibromoethane	2000	2000	75	125	25	0	1827	91		1779	89		3	
Chlorobenzene	2000	2000	75	125	25	0	1916	96		1905	95		1	
1,1,1,2-Tetrachloroethane	2000	2000	75	125	25	0	1838	92		1769	88		4	
Ethylbenzene	2000	2000	75	125	25	0	1885	94		1885	94		0	

VOA FORM 3

VOLATILE ORGANIC SOIL
LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 65250
Non-spiked sample: MB11179C
Spike: LS11179C
Spike duplicate: LS11179C2

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	#
m,p-Xylene	4000	4000	75	125	25	0	3880	97		3834	96		1	
o-Xylene	2000	2000	75	125	25	0	1933	97		1939	97		0	
Styrene	2000	2000	75	125	25	0	1990	100		1956	98		2	
Bromoform	2000	2000	75	125	25	0	1784	89		1750	87		2	
Isopropylbenzene	2000	2000	75	125	25	0	1897	95		1853	93		2	
1,1,2,2-Tetrachloroethane	2000	2000	75	125	25	0	1937	97		1995	100		3	
1,2,3-Trichloropropane	2000	2000	75	125	25	0	1712	86		1729	86		1	
trans-1,4-Dichloro-2-butene	2000	2000	75	125	25	0	1728	86		1729	86		0	
n-Propylbenzene	2000	2000	75	125	25	0	1940	97		1926	96		1	
Bromobenzene	2000	2000	75	125	25	0	1896	95		1912	96		1	
1,3,5-Trimethylbenzene	2000	2000	75	125	25	0	1896	95		1847	92		3	
2-Chlorotoluene	2000	2000	75	125	25	0	1933	97		1932	97		0	
4-Chlorotoluene	2000	2000	75	125	25	0	1933	97		1932	97		0	
tert-butylbenzene	2000	2000	75	125	25	0	1872	94		1872	94		0	
1,2,4-Trimethylbenzene	2000	2000	75	125	25	0	1903	95		1884	94		1	
sec-butylbenzene	2000	2000	75	125	25	0	1965	98		1922	96		2	
p-isopropyltoluene	2000	2000	75	125	25	0	1949	97		1901	95		3	
1,3-Dichlorobenzene	2000	2000	75	125	25	0	1950	97		1956	98		0	
1,4-Dichlorobenzene	2000	2000	75	125	25	0	1868	93		1817	91		3	
n-butylbenzene	2000	2000	75	125	25	0	1904	95		1862	93		2	
1,2-Dichlorobenzene	2000	2000	75	125	25	0	1934	97		1880	94		3	
1,2-Dibromo-3-chloropropane	2000	2000	75	125	25	0	1603	80		1570	79		2	
1,2,4-Trichlorobenzene	2000	2000	75	125	25	0	1824	91		1817	91		0	
Hexachlorobutadiene	2000	2000	75	125	25	0	1862	93		1831	92		2	
Naphthalene	2000	2000	75	125	25	0	1752	88		1792	90		2	
1,2,3-Trichlorobenzene	2000	2000	75	125	25	0	1772	89		1825	91		3	

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: _____

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 65250
Non-spiked sample: B811189C
Spike: L811189C
Spike duplicate: L811189C2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	80	120	15	0.0	16	81		16	81		0	
Chloromethane	20	80	120	15	0.0	18	89		18	91		2	
Vinyl Chloride	20	80	120	15	0.0	16	79	*	16	79	*	0	
Bromomethane	20	80	120	15	0.0	22	110		22	111		1	
Chloroethane	20	80	120	15	0.0	19	94		19	93		1	
t-Butyl alcohol (TBA)	100	70	130	15	0.0	136	136	*	133	133	*	2	
Trichlorofluoromethane	20	80	120	15	0.0	15	74	*	15	77	*	4	
Diethyl ether	20	80	120	15	0.0	20	102		21	104		3	
1,1,2-Trichlorotrifluoroethane	20	80	120	15	0.0	23	114		23	113		1	
Acetone	100	70	130	15	0.0	122	122		114	114		7	
1,1-Dichloroethene	20	80	120	15	0.0	23	114		21	107		6	
Methyl iodide	20	70	130	15	0.0	27	134	*	26	130		3	
Di-isopropyl ether (DIPE)	20	80	120	15	0.0	24	119		22	110		8	
Methylene Chloride	20	80	120	15	0.0	21	107		23	115		7	
Carbon Disulfide	20	70	130	15	0.0	19	95		21	107		12	
Acrylonitrile	20	70	130	15	0.0	26	130		25	124		5	
Methyl-tert-butyl ether (MTBE)	40	80	120	15	0.0	40	100		39	97		3	
trans-1,2-Dichloroethene	20	80	120	15	0.0	22	110		22	108		2	
1,1-Dichloroethane	20	80	120	15	0.0	22	110		21	105		4	
Vinyl acetate	20	70	130	15	0.0	27	135	*	27	134	*	1	
Methyl ethyl ketone	100	70	130	15	0.0	158	158	*	149	149	*	6	
Ethyl t-butyl ether (ETBE)	20	80	120	15	0.0	22	112		21	105		6	
2,2-Dichloropropane	20	80	120	15	0.0	21	104		20	102		2	
cis-1,2-Dichloroethene	20	80	120	15	0.0	23	115		22	111		3	
t-Amyl methyl ether (TAME)	20	80	120	15	0.0	22	109		21	104		4	
Chloroform	20	80	120	15	0.0	21	107		21	103		4	
Bromochloromethane	20	80	120	15	0.0	21	107		21	104		3	
Tetrahydrofuran	20	70	130	15	0.0	24	122		24	120		1	
1,1,1-Trichloroethane	20	80	120	15	0.0	20	98		19	95		4	
1,1-Dichloropropene	20	80	120	15	0.0	22	110		21	105		4	
Carbon Tetrachloride	20	80	120	15	0.0	19	93		17	87		6	
1,2-Dichloroethane	20	80	120	15	0.0	19	97		19	93		5	
Benzene	20	80	120	15	0.0	25	123	*	24	118		4	
Trichloroethene	20	80	120	15	0.0	20	99		20	98		2	
1,2-Dichloropropane	20	80	120	15	0.0	23	116		22	112		4	
Methylmethacrylate	20	70	130	15	0.0	22	112		22	109		2	
Bromodichloromethane	20	80	120	15	0.0	20	102		20	99		2	
Dibromomethane	20	80	120	15	0.0	21	107		21	104		3	
1,4-Dioxane	500	70	130	15	0.0	537	107		571	114		6	
2-Hexanone	100	70	130	15	0.0	162	162	*	151	151	*	7	
Methyl isobutyl ketone	100	70	130	15	0.0	153	153	*	148	148	*	3	
cis-1,3-Dichloropropene	20	80	120	15	0.0	23	116		22	112		4	
Toluene	20	80	120	15	0.0	23	116		22	111		5	
trans-1,3-Dichloropropene	20	80	120	15	0.0	19	97		19	95		2	
1,1,2-Trichloroethane	20	80	120	15	0.0	23	113		22	111		2	
1,3-Dichloropropane	20	80	120	15	0.0	22	112		22	108		4	
Tetrachloroethene	20	80	120	15	0.0	23	116		24	118		2	
Dibromochloromethane	20	80	120	15	0.0	21	104		23	114		9	
1,2-Dibromoethane	20	80	120	15	0.0	21	106		21	107		1	

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: C
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 65250
Non-spiked sample: B811189C
Spike: L811189C
Spike duplicate: L811189C2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Chlorobenzene	20	80	120	15	0.0	22	110		21	104		5	
1,1,1,2-Tetrachloroethane	20	80	120	15	0.0	21	103		21	105		2	
Ethylbenzene	20	80	120	15	0.0	22	108		20	100		8	
m,p-Xylene	40	80	120	15	0.0	45	112		42	104		7	
o-Xylene	20	80	120	15	0.0	22	111		21	104		7	
Styrene	20	80	120	15	0.0	23	114		21	106		8	
Bromoform	20	80	120	15	0.0	20	101		23	114		12	
Isopropylbenzene	20	80	120	15	0.0	19	94		17	87		8	
1,1,2,2-Tetrachloroethane	20	80	120	15	0.0	23	115		21	103		10	
1,2,3-Trichloropropane	20	80	120	15	0.0	20	100		19	93		7	
trans-1,4-Dichloro-2-butene	20	80	120	15	0.0	20	102		18	91		12	
n-Propylbenzene	20	80	120	15	0.0	22	110		20	100		10	
Bromobenzene	20	80	120	15	0.0	22	108		21	104		4	
1,3,5-Trimethylbenzene	20	80	120	15	0.0	22	108		20	100		8	
2-Chlorotoluene	20	80	120	15	0.0	22	108		20	102		6	
4-Chlorotoluene	20	80	120	15	0.0	22	108		20	102		6	
tert-butylbenzene	20	80	120	15	0.0	21	106		20	101		4	
1,2,4-Trimethylbenzene	20	80	120	15	0.0	22	109		20	101		8	
sec-butylbenzene	20	80	120	15	0.0	22	112		21	103		8	
p-isopropyltoluene	20	80	120	15	0.0	21	105		19	97		8	
1,3-Dichlorobenzene	20	80	120	15	0.0	22	111		20	102		9	
1,4-Dichlorobenzene	20	80	120	15	0.0	21	106		20	102		3	
n-butylbenzene	20	80	120	15	0.0	22	111		21	106		5	
1,2-Dichlorobenzene	20	80	120	15	0.0	22	111		21	105		5	
1,2-Dibromo-3-chloropropane	20	80	120	15	0.0	18	92		18	92		0	
1,2,4-Trichlorobenzene	20	80	120	15	0.0	21	104		19	96		8	
Hexachlorobutadiene	20	80	120	15	0.0	21	106		20	99		6	
Naphthalene	20	80	120	15	0.0	21	106		20	99		6	
1,2,3-Trichlorobenzene	20	80	120	15	0.0	21	106		20	99		7	
1,3,5-Trichlorobenzene	20	80	120	15	0.0	23	113		21	106		6	

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: _____

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 65250
Non-spiked sample: B81118912
Spike: L81118913
Spike duplicate: L81118914

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	80	120	15	0.0	17	84		16	82		2	
Chloromethane	20	80	120	15	0.0	17	85		17	86		1	
Vinyl Chloride	20	80	120	15	0.0	19	93		18	91		2	
Bromomethane	20	80	120	15	0.0	22	110		22	109		1	
Chloroethane	20	80	120	15	0.0	19	95		18	91		4	
t-Butyl alcohol (TBA)	100	70	130	15	0.0	86	86		81	81		6	
Trichlorofluoromethane	20	80	120	15	0.0	17	87		17	87		1	
Diethyl ether	20	80	120	15	0.0	18	92		18	92		0	
1,1,2-Trichlorotrifluoroethane	20	80	120	15	0.0	20	100		20	98		2	
Acetone	100	70	130	15	0.0	112	112		107	107		4	
1,1-Dichloroethene	20	80	120	15	0.0	20	98		19	97		1	
Methyl iodide	20	70	130	15	0.0	19	94		19	95		1	
Di-isopropyl ether (DIPE)	20	80	120	15	0.0	20	101		19	97		4	
Methylene Chloride	20	80	120	15	0.0	25	124	*	24	120		3	
Carbon Disulfide	20	70	130	15	0.0	17	87		17	83		5	
Acrylonitrile	20	70	130	15	0.0	21	106		21	106		0	
Methyl-tert-butyl ether (MTBE)	40	80	120	15	0.0	40	100		38	96		4	
trans-1,2-Dichloroethene	20	80	120	15	0.0	20	102		20	101		1	
1,1-Dichloroethane	20	80	120	15	0.0	19	97		19	95		2	
Vinyl acetate	20	70	130	15	0.0	21	103		21	103		0	
Methyl ethyl ketone	100	70	130	15	0.0	122	122		117	117		3	
Ethyl t-butyl ether (ETBE)	20	80	120	15	0.0	20	99		20	98		1	
2,2-Dichloropropane	20	80	120	15	0.0	18	92		18	90		2	
cis-1,2-Dichloroethene	20	80	120	15	0.0	20	99		19	95		4	
t-Amyl methyl ether (TAME)	20	80	120	15	0.0	20	99		19	95		5	
Chloroform	20	80	120	15	0.0	20	100		19	97		4	
Bromochloromethane	20	80	120	15	0.0	20	100		20	100		0	
Tetrahydrofuran	20	70	130	15	0.0	19	93		18	89		4	
1,1,1-Trichloroethane	20	80	120	15	0.0	20	98		19	95		2	
1,1-Dichloropropene	20	80	120	15	0.0	20	99		19	97		2	
Carbon Tetrachloride	20	80	120	15	0.0	20	98		19	96		2	
1,2-Dichloroethane	20	80	120	15	0.0	21	103		20	100		3	
Benzene	20	80	120	15	0.0	21	103		20	101		3	
Trichloroethene	20	80	120	15	0.0	19	95		20	98		3	
1,2-Dichloropropane	20	80	120	15	0.0	20	100		20	101		1	
Methylmethacrylate	20	70	130	15	0.0	21	105		21	103		2	
Bromodichloromethane	20	80	120	15	0.0	20	100		20	100		1	
Dibromomethane	20	80	120	15	0.0	20	102		20	101		0	
1,4-Dioxane	500	70	130	15	0.0	492	98		491	98		0	
2-Hexanone	100	70	130	15	0.0	136	136	*	134	134	*	2	
Methyl isobutyl ketone	100	70	130	15	0.0	128	128		126	126		1	
cis-1,3-Dichloropropene	20	80	120	15	0.0	21	105		21	105		0	
Toluene	20	80	120	15	0.0	18	90		18	90		0	
trans-1,3-Dichloropropene	20	80	120	15	0.0	19	95		19	95		0	
1,1,2-Trichloroethane	20	80	120	15	0.0	20	102		20	101		1	
1,3-Dichloropropane	20	80	120	15	0.0	20	100		20	102		2	
Tetrachloroethene	20	80	120	15	0.0	18	88		18	89		1	
Dibromochloromethane	20	80	120	15	0.0	20	101		20	101		1	

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: 1
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 65250
Non-spiked sample: B81118912
Spike: L81118913
Spike duplicate: L81118914

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
1,2-Dibromoethane	20	80	120	15	0.0	20	101		20	102		1	
Chlorobenzene	20	80	120	15	0.0	19	94		18	92		1	
1,1,1,2-Tetrachloroethane	20	80	120	15	0.0	20	98		19	96		1	
Ethylbenzene	20	80	120	15	0.0	19	93		19	93		1	
m,p-Xylene	40	80	120	15	0.0	40	100		40	99		1	
o-Xylene	20	80	120	15	0.0	20	98		19	95		3	
Styrene	20	80	120	15	0.0	20	101		20	101		0	
Bromoform	20	80	120	15	0.0	19	96		19	96		0	
Isopropylbenzene	20	80	120	15	0.0	17	85		17	85		1	
1,1,2,2-Tetrachloroethane	20	80	120	15	0.0	19	95		19	96		1	
1,2,3-Trichloropropane	20	80	120	15	0.0	20	99		19	96		3	
trans-1,4-Dichloro-2-butene	20	80	120	15	0.0	18	90		18	88		2	
n-Propylbenzene	20	80	120	15	0.0	19	93		19	93		0	
Bromobenzene	20	80	120	15	0.0	19	96		19	96		0	
1,3,5-Trimethylbenzene	20	80	120	15	0.0	19	95		19	95		0	
2-Chlorotoluene	20	80	120	15	0.0	19	97		19	96		1	
4-Chlorotoluene	20	80	120	15	0.0	19	94		19	97		3	
tert-butylbenzene	20	80	120	15	0.0	19	95		19	94		1	
1,2,4-Trimethylbenzene	20	80	120	15	0.0	18	92		18	91		0	
sec-butylbenzene	20	80	120	15	0.0	19	94		19	96		2	
p-isopropyltoluene	20	80	120	15	0.0	18	88		18	88		0	
1,3-Dichlorobenzene	20	80	120	15	0.0	18	92		19	94		2	
1,4-Dichlorobenzene	20	80	120	15	0.0	19	93		18	89		4	
n-butylbenzene	20	80	120	15	0.0	18	90		18	89		1	
1,2-Dichlorobenzene	20	80	120	15	0.0	18	92		18	91		1	
1,2-Dibromo-3-chloropropane	20	80	120	15	0.0	18	88		17	84		4	
1,2,4-Trichlorobenzene	20	80	120	15	0.0	17	84		17	83		2	
Hexachlorobutadiene	20	80	120	15	0.0	18	88		17	86		2	
Naphthalene	20	80	120	15	0.0	18	89		17	86		3	
1,2,3-Trichlorobenzene	20	80	120	15	0.0	18	88		17	85		4	
1,3,5-Trichlorobenzene	20	80	120	15	0.0	17	87		17	85		3	

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: _____

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: I
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 65250
Non-spiked sample: 65250-3
Spike: 65250-3,MS
Spike duplicate: 65250-3,MSD

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Dichlorodifluoromethane	20	70	130	15	0.0	12	59	*	17	85		35	*
Chloromethane	20	70	130	15	0.0	6	29	*	18	92		105	*
Vinyl Chloride	20	70	130	15	0.0	8	41	*	20	98		83	*
Bromomethane	20	70	130	15	0.0	11	57	*	20	99		53	*
Chloroethane	20	70	130	15	0.0	15	74		19	96		26	*
t-Butyl alcohol (TBA)	100	70	130	25	0.0	40	40	*	96	96		82	*
Trichlorofluoromethane	20	70	130	15	0.0	17	85		18	92		7	
Diethyl ether	20	70	130	15	0.0	14	72		18	90		22	*
1,1,2-Trichlorotrifluoroethane	20	70	130	15	0.0	16	82		20	99		19	*
Acetone	100	70	130	25	0.0	81	81		104	104		25	*
1,1-Dichloroethene	20	70	130	15	0.0	15	77		20	98		25	*
Methyl iodide	20	70	130	25	0.0	9	43	*	17	86		66	*
Di-isopropyl ether (DIPE)	20	70	130	15	0.0	21	104		20	99		5	
Methylene Chloride	20	70	130	15	0.0	12	59	*	20	101		52	*
Carbon Disulfide	20	70	130	25	0.0	12	60	*	17	86		35	*
Acrylonitrile	20	70	130	25	0.0	12	62	*	20	101		48	*
Methyl-tert-butyl ether (MTBE)	40	70	130	15	0.0	34	85		40	100		16	*
trans-1,2-Dichloroethene	20	70	130	15	0.0	16	81		21	103		24	*
1,1-Dichloroethane	20	70	130	15	0.0	20	102		19	97		5	
Vinyl acetate	20	70	130	25	0.0	23	115		22	109		5	
Methyl ethyl ketone	100	70	130	25	0.0	127	127		122	122		4	
Ethyl t-butyl ether (ETBE)	20	70	130	15	0.0	22	108		20	101		7	
2,2-Dichloropropane	20	70	130	15	0.0	23	114		20	100		13	
cis-1,2-Dichloroethene	20	70	130	15	0.0	21	103		19	97		6	
t-Amyl methyl ether (TAME)	20	70	130	15	0.0	21	105		20	102		3	
Chloroform	20	70	130	15	0.0	21	107		20	100		7	
Bromochloromethane	20	70	130	15	0.0	21	103		20	100		3	
Tetrahydrofuran	20	70	130	25	0.0	19	93		18	89		4	
1,1,1-Trichloroethane	20	70	130	15	0.0	22	109		20	102		7	
1,1-Dichloropropene	20	70	130	15	0.0	22	109		20	102		7	
Carbon Tetrachloride	20	70	130	15	0.0	21	107		20	101		6	
1,2-Dichloroethane	20	70	130	15	0.0	22	108		20	100		8	
Benzene	20	70	130	15	0.0	22	109		21	104		4	
Trichloroethene	20	70	130	15	0.0	21	103		19	96		7	
1,2-Dichloropropane	20	70	130	15	0.0	21	103		20	98		4	
Methylmethacrylate	20	70	130	25	0.0	20	102		21	103		1	
Bromodichloromethane	20	70	130	15	0.0	21	105		20	99		5	
Dibromomethane	20	70	130	15	0.0	20	102		20	99		2	
1,4-Dioxane	500	70	130	30	0.0	347	69	*	548	110		45	*
2-Hexanone	100	70	130	25	0.0	122	122		135	135	*	10	
Methyl isobutyl ketone	100	70	130	25	0.0	119	119		126	126		5	
cis-1,3-Dichloropropene	20	70	130	15	0.0	21	107		21	105		2	
Toluene	20	70	130	15	0.0	16	82		18	92		11	
trans-1,3-Dichloropropene	20	70	130	15	0.0	19	95		19	97		2	
1,1,2-Trichloroethane	20	70	130	15	0.0	19	96		20	100		4	
1,3-Dichloropropane	20	70	130	15	0.0	19	95		20	101		6	
Tetrachloroethene	20	70	130	15	0.0	16	78		18	88		13	
Dibromochloromethane	20	70	130	15	0.0	19	93		20	102		9	

VOA FORM 3

VOLATILE ORGANIC AQUEOUS
MATRIX SPIKE/DUPLICATE
PERCENT RECOVERY

Instrument ID: 1
GC Column: RTX-502.2
Column ID: 0.25 mm
Heated purge (Y/N): N

SDG: 65250
Non-spiked sample: 65250-3
Spike: 65250-3,MS
Spike duplicate: 65250-3,MSD

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
1,2-Dibromoethane	20	70	130	15	0.0	18	92		20	100		8	
Chlorobenzene	20	70	130	15	0.0	18	92		18	91		2	
1,1,1,2-Tetrachloroethane	20	70	130	15	0.0	20	100		19	96		3	
Ethylbenzene	20	70	130	15	0.0	17	87		18	89		3	
m,p-Xylene	40	70	130	15	0.0	36	91		38	95		4	
o-Xylene	20	70	130	15	0.0	17	87		19	93		6	
Styrene	20	70	130	15	0.0	19	96		20	99		2	
Bromoform	20	70	130	15	0.0	20	102		19	93		10	
Isopropylbenzene	20	70	130	15	0.0	14	72		16	79		9	
1,1,2,2-Tetrachloroethane	20	70	130	15	0.0	21	103		18	89		15	*
1,2,3-Trichloropropane	20	70	130	15	0.0	21	105		19	93		12	
trans-1,4-Dichloro-2-butene	20	70	130	15	0.0	21	105		17	86		20	*
n-Propylbenzene	20	70	130	15	0.0	16	80		16	82		2	
Bromobenzene	20	70	130	15	0.0	20	98		18	92		7	
1,3,5-Trimethylbenzene	20	70	130	15	0.0	19	93		17	87		7	
2-Chlorotoluene	20	70	130	15	0.0	19	96		19	93		4	
4-Chlorotoluene	20	70	130	15	0.0	19	95		18	89		7	
tert-butylbenzene	20	70	130	15	0.0	17	87		17	83		5	
1,2,4-Trimethylbenzene	20	70	130	15	0.0	20	102		17	85		18	*
sec-butylbenzene	20	70	130	15	0.0	18	88		16	80		9	
p-isopropyltoluene	20	70	130	15	0.0	20	98		15	76		25	*
1,3-Dichlorobenzene	20	70	130	15	0.0	24	120		17	87		32	*
1,4-Dichlorobenzene	20	70	130	15	0.0	17	85		17	85		1	
n-butylbenzene	20	70	130	15	0.0	15	77		15	73		5	
1,2-Dichlorobenzene	20	70	130	15	0.0	19	96		17	87		10	
1,2-Dibromo-3-chloropropane	20	70	130	15	0.0	14	70		14	72		3	
1,2,4-Trichlorobenzene	20	70	130	15	0.0	7	36	*	10	52	*	37	*
Hexachlorobutadiene	20	70	130	15	0.0	8	39	*	11	54	*	33	*
Naphthalene	20	70	130	15	0.0	7	35	*	12	60	*	52	*
1,2,3-Trichlorobenzene	20	70	130	15	0.0	5	26	*	10	49	*	61	*
1,3,5-Trichlorobenzene	20	70	130	15	0.0	11	55	*	12	61	*	10	

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: _____

VOA FORM 3

VPH
Data Summaries

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

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

November 24, 2009

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: BV11129K2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 50.00
Collection Date:
Lab Receipt Date:
Analysis Date: 11/12/09

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	2500	µg/L	U
Unadjusted C9-C12 Aliphatics[1]	N/A	2500	µg/L	U
Benzene	C5-C8	100	µg/L	U
Ethylbenzene	C9-C12	100	µg/L	U
Methyl-tert-butyl ether	C5-C8	100	µg/L	U
Naphthalene	N/A	100	µg/L	U
Toluene	C5-C8	100	µg/L	U
m- & p-Xylenes	C9-C12	200	µg/L	U
o-Xylene	C9-C12	100	µg/L	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	2500	µg/L	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	2500	µg/L	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	500	µg/L	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				99
Surrogate % Recovery (2,5-Dibromotoluene) FID				99
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004.

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

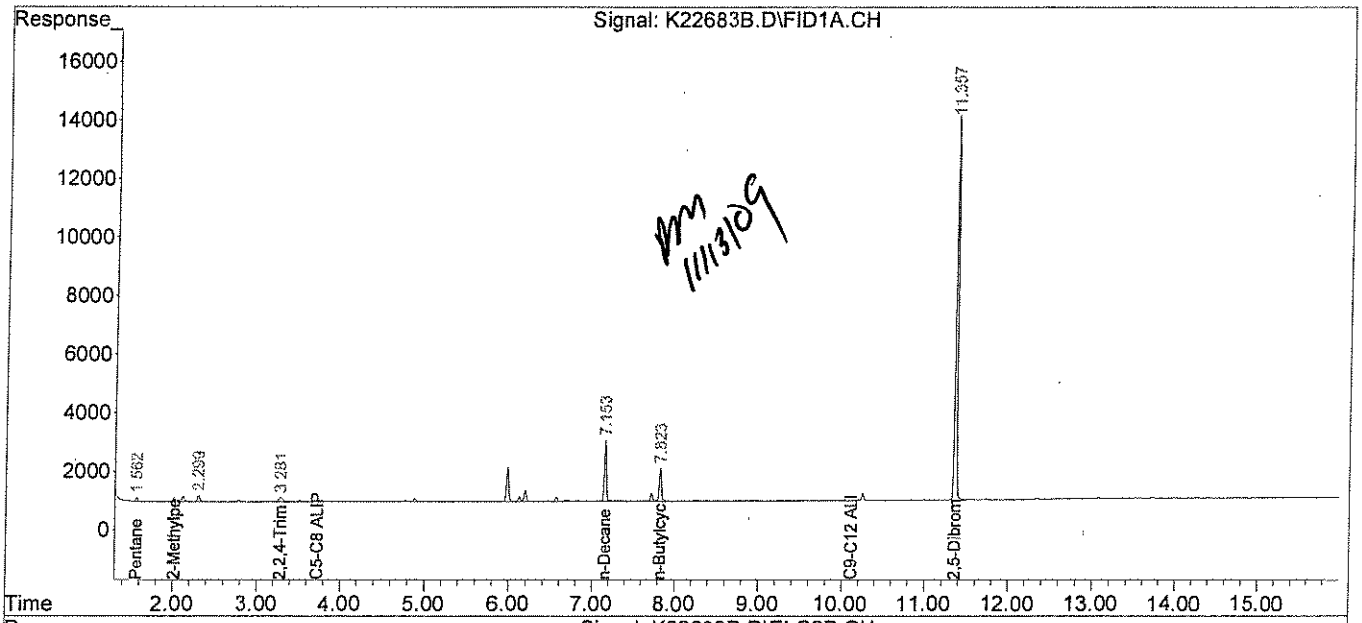
Authorized signature:

Data Path : C:\msdchem\1\DATA\111209-K\
Data File : K22683B.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Nov 2009 1:14 pm
Operator : RM
Sample : BV11129K2
Misc : 5000+100UL MEOH
ALS Vial : 9 Sample Multiplier: 1

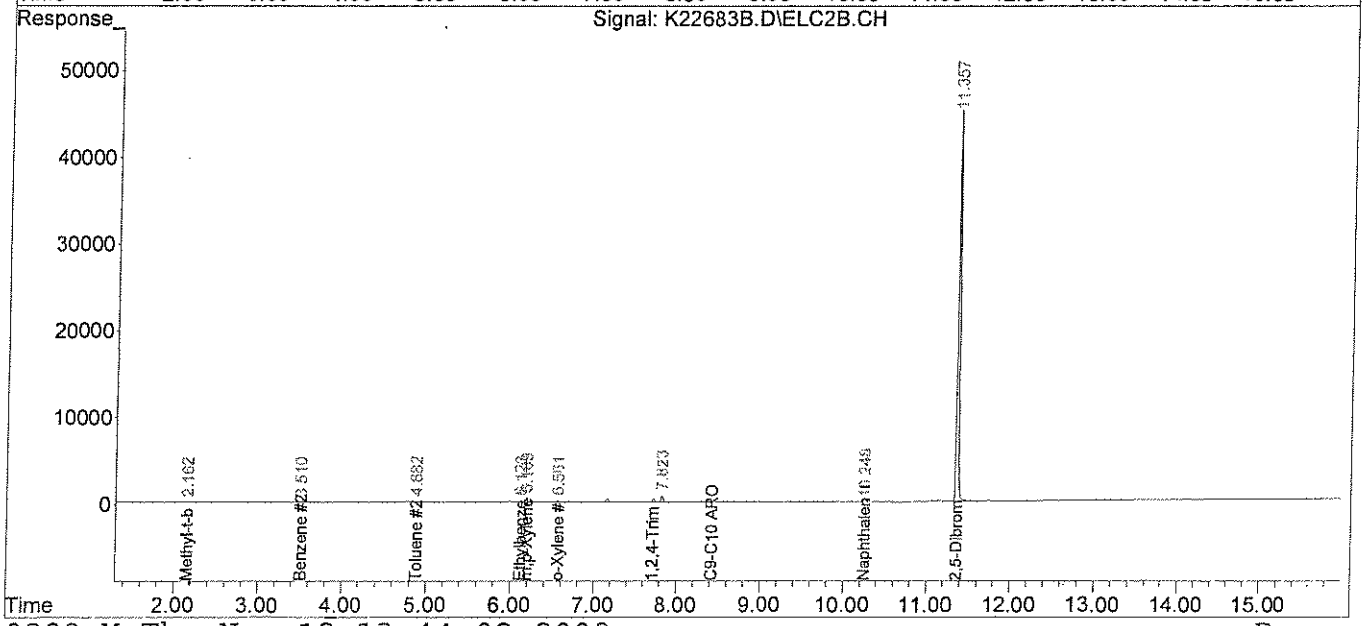
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 12 13:43:53 2009
Quant Method : C:\msdchem\1\METHODS\VPH10299.M
Quant Title : Volatile Petroleum Hydrocarbons
QLast Update : Mon Nov 02 10:56:22 2009
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

JI 1.16.09

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



pm 11/13/09



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

November 24, 2009

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Client Sample ID: BK-PW-02

SAMPLE DATA

Lab Sample ID: 65250-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.00
Collection Date: 11/05/09
Lab Receipt Date: 11/06/09
Analysis Date: 11/12/09

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	50	µg/L	U
Unadjusted C9-C12 Aliphatics[1]	N/A	50	µg/L	U
Benzene	C5-C8	2	µg/L	U
Ethylbenzene	C9-C12	2	µg/L	U
Methyl-tert-butyl ether	C5-C8	2	µg/L	U
Naphthalene	N/A	2	µg/L	U
Toluene	C5-C8	2	µg/L	U
m- & p-Xylenes	C9-C12	4	µg/L	U
o-Xylene	C9-C12	2	µg/L	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	50	µg/L	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	50	µg/L	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	10	µg/L	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				97
Surrogate % Recovery (2,5-Dibromotoluene) FID				99
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004.

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

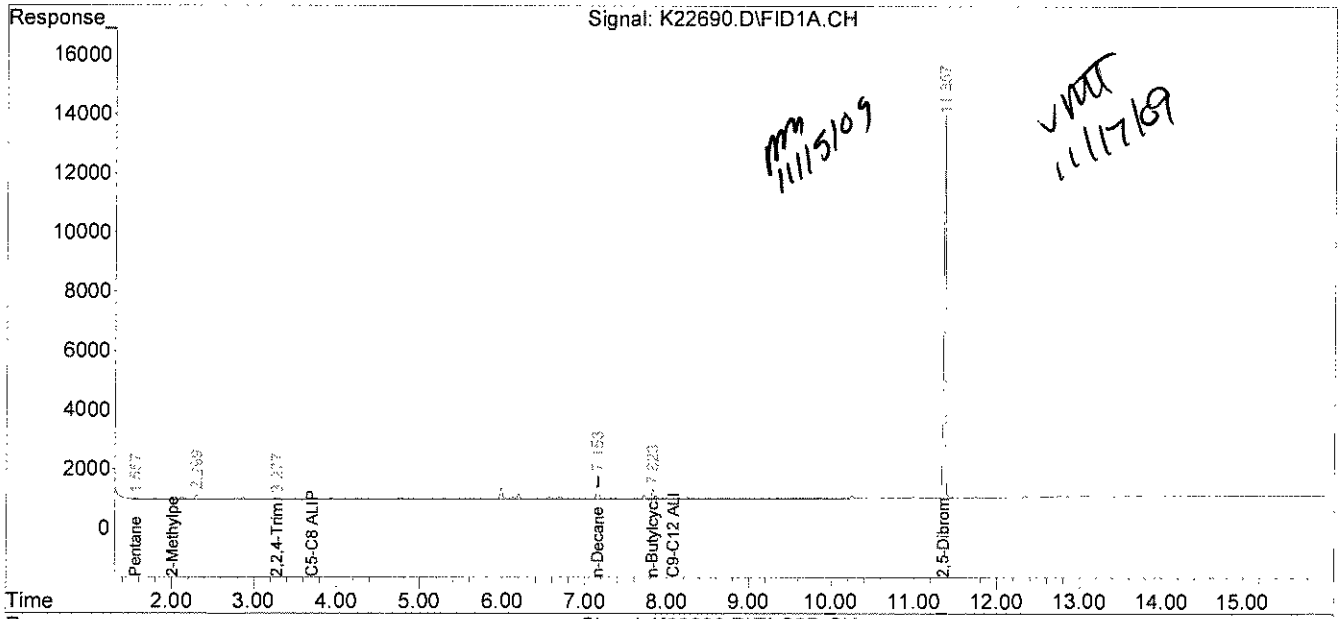
Authorized signature:

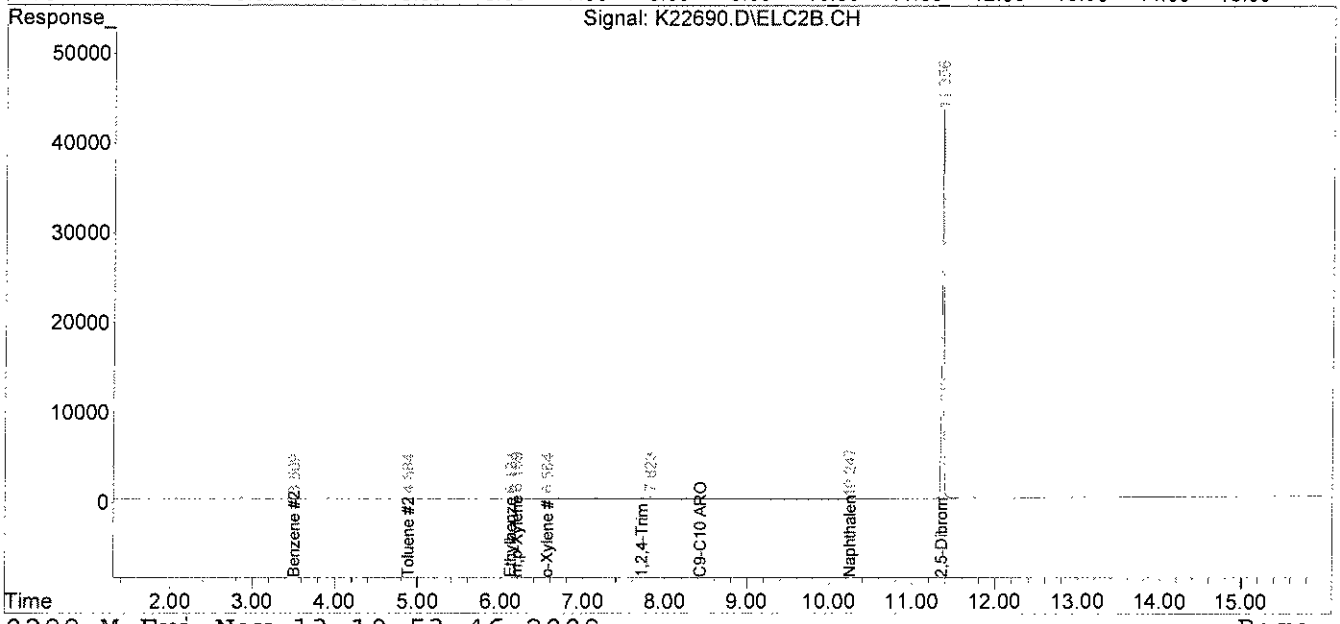
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\111209-K\
Data File : K22690.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Nov 2009 4:35 pm
Operator : RM
Sample : 65250-1
Misc : 5000
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 13 10:53:46 2009
Quant Method : C:\msdchem\1\METHODS\VPH10299.M
Quant Title : Volatile Petroleum Hydrocarbons
QLast Update : Mon Nov 02 10:56:22 2009
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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

November 24, 2009

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Client Sample ID: PW-19

SAMPLE DATA

Lab Sample ID: 65250-2
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.00
Collection Date: 11/05/09
Lab Receipt Date: 11/06/09
Analysis Date: 11/12/09

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	50	µg/L	U
Unadjusted C9-C12 Aliphatics[1]	N/A	50	µg/L	U
Benzene	C5-C8	2	µg/L	U
Ethylbenzene	C9-C12	2	µg/L	U
Methyl-tert-butyl ether	C5-C8	2	µg/L	U
Naphthalene	N/A	2	µg/L	U
Toluene	C5-C8	2	µg/L	U
m- & p-Xylenes	C9-C12	4	µg/L	U
o-Xylene	C9-C12	2	µg/L	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	50	µg/L	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	50	µg/L	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	10	µg/L	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				92
Surrogate % Recovery (2,5-Dibromotoluene) FID				95
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004.

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

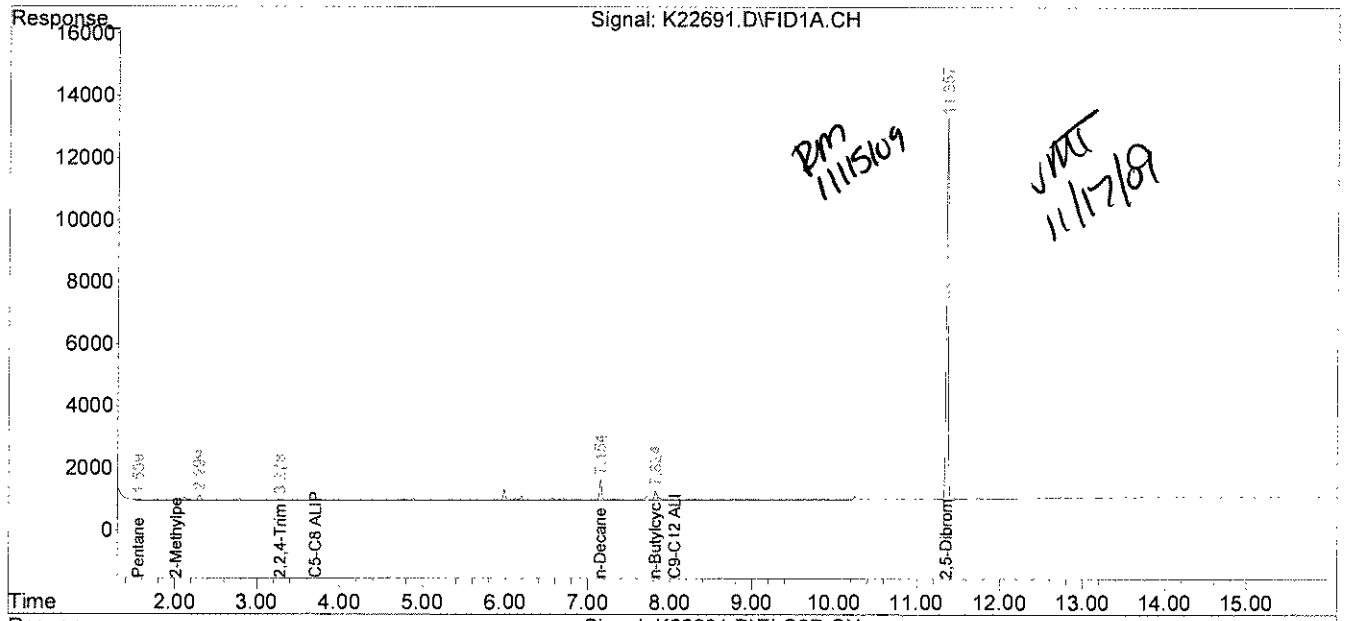
Authorized signature:

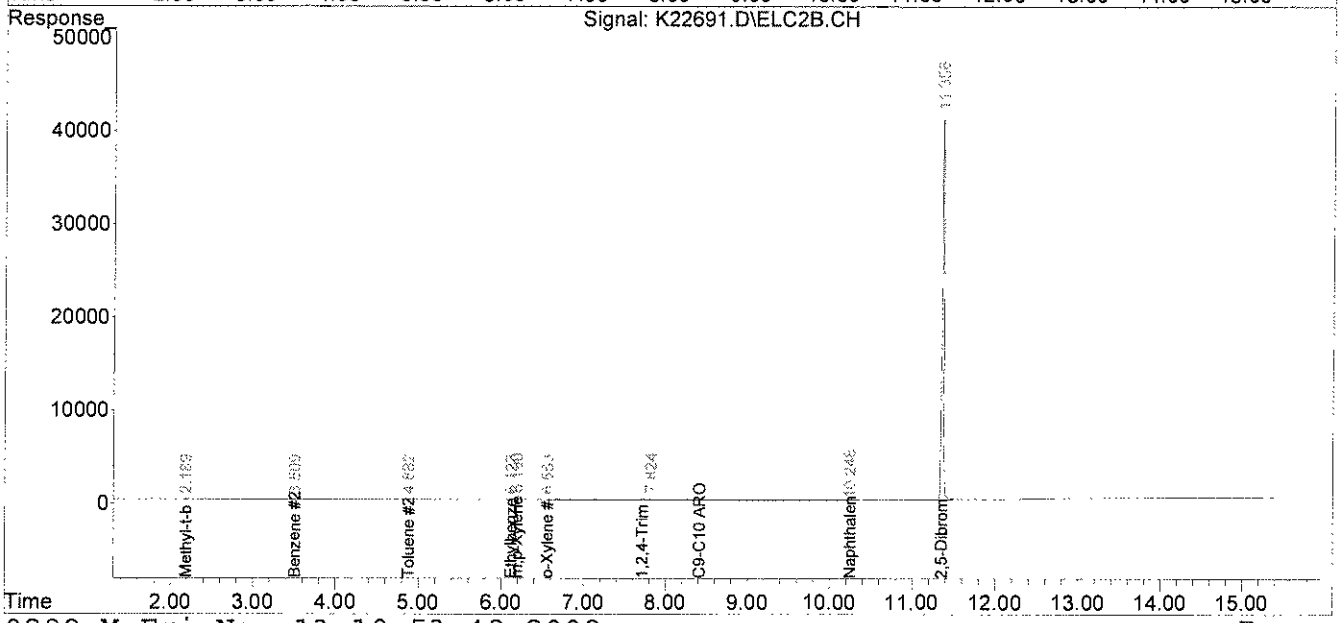
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\111209-K\
Data File : K22691.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Nov 2009 4:59 pm
Operator : RM
Sample : 65250-2
Misc : 5000
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 13 10:53:48 2009
Quant Method : C:\msdchem\1\METHODS\VPH10299.M
Quant Title : Volatile Petroleum Hydrocarbons
QLast Update : Mon Nov 02 10:56:22 2009
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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

November 24, 2009

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Client Sample ID: PW-20

SAMPLE DATA

Lab Sample ID: 65250-3
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.00
Collection Date: 11/05/09
Lab Receipt Date: 11/06/09
Analysis Date: 11/12/09

VPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE	Elution Range	RL	Units	Result
Unadjusted C5-C8 Aliphatics[1]	N/A	50	µg/L	U
Unadjusted C9-C12 Aliphatics[1]	N/A	50	µg/L	U
Benzene	C5-C8	2	µg/L	U
Ethylbenzene	C9-C12	2	µg/L	U
Methyl-tert-butyl ether	C5-C8	2	µg/L	U
Naphthalene	N/A	2	µg/L	U
Toluene	C5-C8	2	µg/L	U
m- & p-Xylenes	C9-C12	4	µg/L	U
o-Xylene	C9-C12	2	µg/L	U
C5-C8 Aliphatics Hydrocarbons[1,2]	N/A	50	µg/L	U
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	50	µg/L	U
C9-C10 Aromatic Hydrocarbons[1]	N/A	10	µg/L	U
Surrogate % Recovery (2,5-Dibromotoluene) PID				96
Surrogate % Recovery (2,5-Dibromotoluene) FID				98
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C9-C12 Aliphatic Hydrocarbons exclude conc. of Target Analytes eluting in that range and conc. of C9-C10 Aromatic Hydrocarbons.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Volatile Petroleum Hydrocarbons (VPH), ORS Division of Environmental Analysis, Revision 1.1 May 2004.

COMMENTS: Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

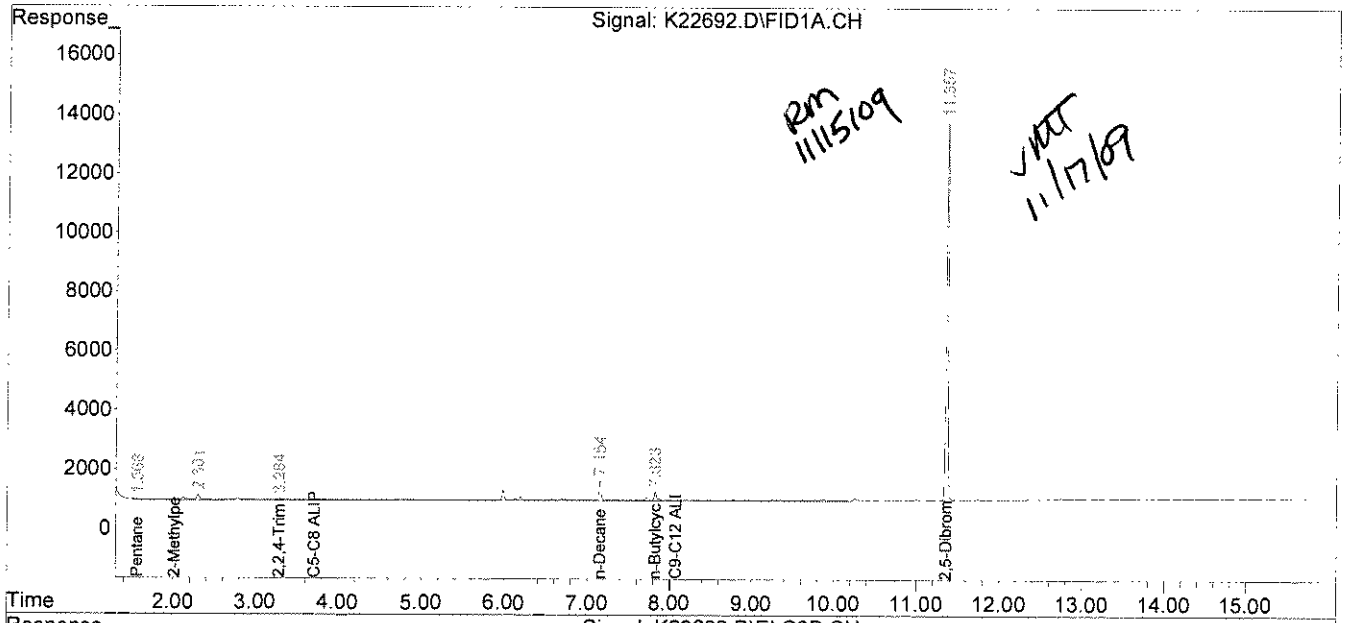
Authorized signature:

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\111209-K\
Data File : K22692.D
Signal(s) : Signal #1: FID1A.CH Signal #2: ELC2B.CH
Acq On : 12 Nov 2009 5:22 pm
Operator : RM
Sample : 65250-3
Misc : 5000
ALS Vial : 18 Sample Multiplier: 1

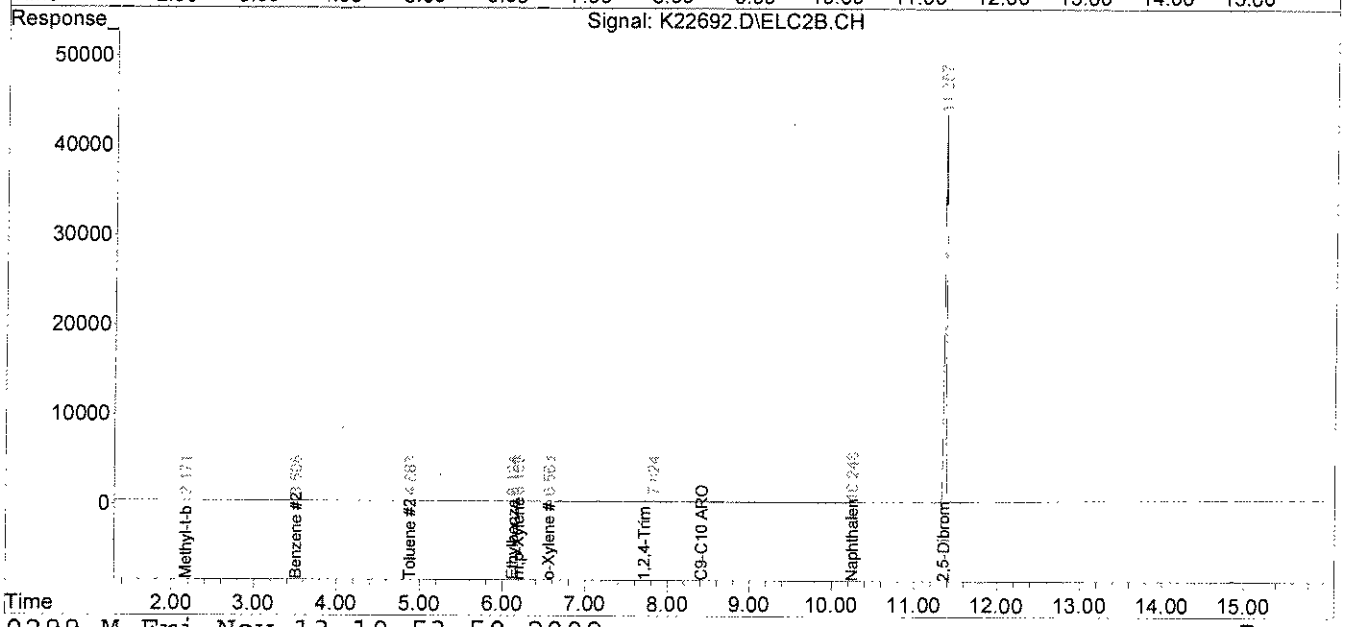
Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 13 10:53:50 2009
Quant Method : C:\msdchem\1\METHODS\VPH10299.M
Quant Title : Volatile Petroleum Hydrocarbons
QLast Update : Mon Nov 02 10:56:22 2009
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



RM 11/15/09

JMT 11/17/09



VPH
QC Forms

VOLATILE PETROLEUM HYDROCARBONS
LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: K
GC Column: RTX-502.2
Column ID: 0.25 mm

SDG: 65250
Non-spiked sample: BV11129K2
Spike: LS11129K
Spike duplicate: LS11129K2

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Pentane	100	70	130	25	0.0	108	108		110	110		2	
2-Methylpentane	100	70	130	25	0.0	105	105		106	106		1	
2,2,4-Trimethylpentane	100	70	130	25	0.0	105	105		106	106		1	
n-Decane	100	70	130	25	0.0	85	85		92	92		8	
n-Butylcyclohexane	100	70	130	25	0.0	83	83		87	87		6	
Methyl-t-butylether #2	100	70	130	25	0.0	93	93		102	102		9	
Benzene #2	100	70	130	25	0.0	102	102		105	105		2	
Toluene #2	100	70	130	25	0.0	101	101		103	103		2	
Ethylbenzene #2	100	70	130	25	0.0	100	100		102	102		2	
m,p-Xylene #2	200	70	130	25	0.0	200	100		204	102		2	
o-Xylene #2	100	70	130	25	0.0	100	100		102	102		2	
1,2,4-Trimethylbenzene #2	100	70	130	25	0.0	99	99		101	101		2	
Naphthalene #2	100	70	130	25	0.0	80	80		94	94		15	
C5-C8 Aliphatics	300	70	130	25	0.0	318	106		322	107		1	
C9-C12 Aliphatics	200	70	130	25	0.0	168	84		179	90		7	
C9-C10 Aromatics #2	100	70	130	25	0.0	99	99		101	101		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: _____

VPH FORM 3

EPH
Data Summaries

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November 25, 2009

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

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B11139EW
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/13/09
Analysis Date: 11/18/09

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		150	µg/L	U
Diesel PAH Analytes	Naphthalene	4	µg/L	U
	2-Methylnaphthalene	4	µg/L	U
	Phenanthrene	4	µg/L	U
	Acenaphthene	4	µg/L	U
Other Target PAH Analytes	Acenaphthylene	4	µg/L	U
	Fluorene	4	µg/L	U
	Anthracene	4	µg/L	U
	Fluoranthene	4	µg/L	U
	Pyrene	4	µg/L	U
	Benzo[a]anthracene	4	µg/L	U
	Chrysene	4	µg/L	U
	Benzo[b]fluoranthene	4	µg/L	U
	Benzo[k]fluoranthene	4	µg/L	U
	Benzo[a]pyrene	4	µg/L	U
	Indeno[1,2,3-cd]pyrene	4	µg/L	U
	Dibenzo[a,h]anthracene	4	µg/L	U
	Benzo[g,h,i]perylene	4	µg/L	U
C9-C18 Aliphatic Hydrocarbons[1]		200	µg/L	U
C19-C36 Aliphatic Hydrocarbons[1]		200	µg/L	U
C11-C22 Aromatic Hydrocarbons[1,2]		150	µg/L	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				68
Aromatic Surrogate % Recovery (O-Terphenyl)				89
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				79
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				62
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3510C.

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

SIGNATURE:

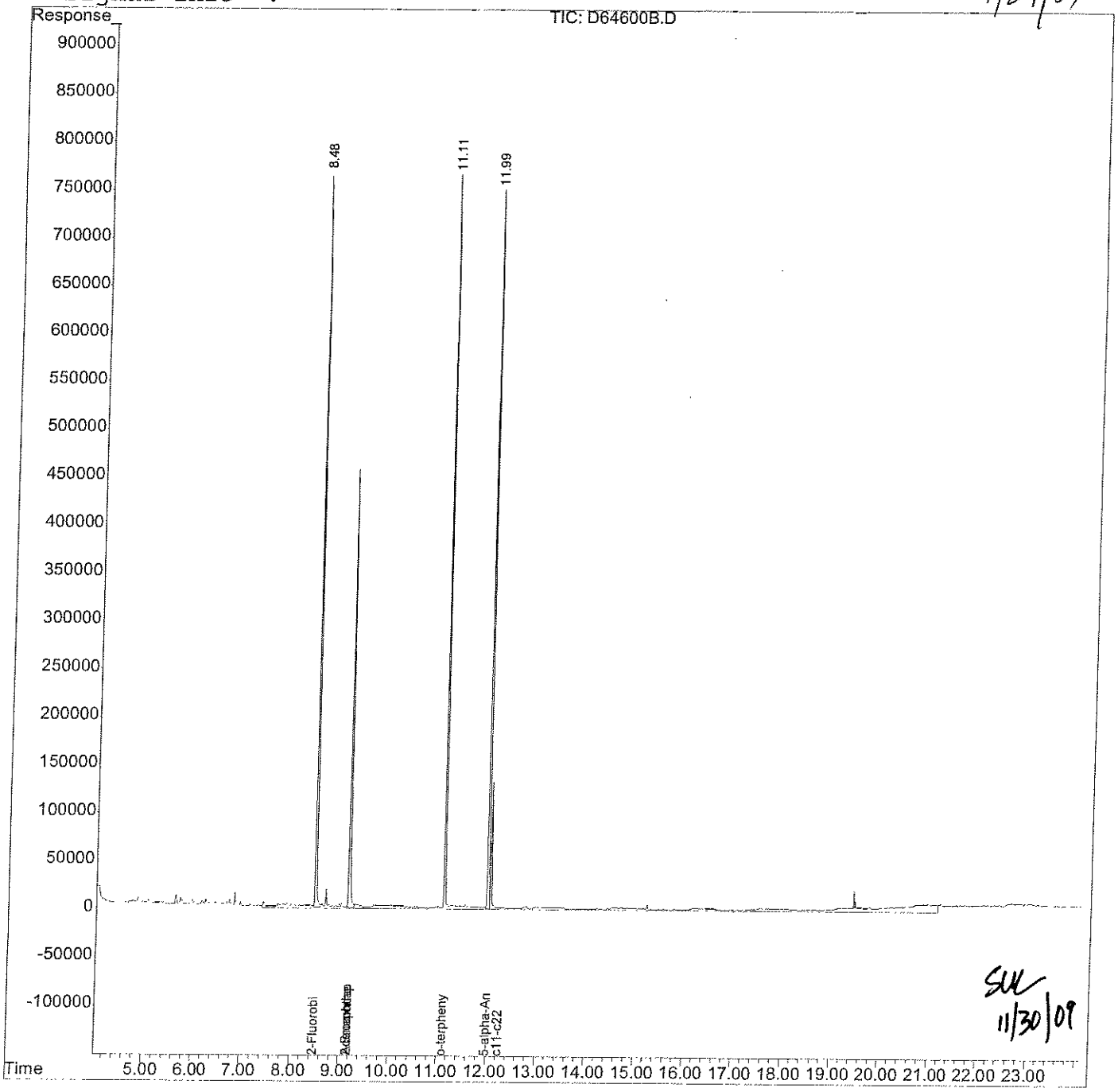
Data File : D:\HPCHEM\1\DATA\111709-D\D64600B.D
Acq On : 18 Nov 2009 8:21 am
Sample : B11139EW
Misc : ARO
IntFile : autoint1.e
Quant Time: Nov 19 2:43 2009 Quant Results File: ARG11139.RES

Vial: 8
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ARG11139.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Wed Nov 18 06:21:49 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

11/24/09



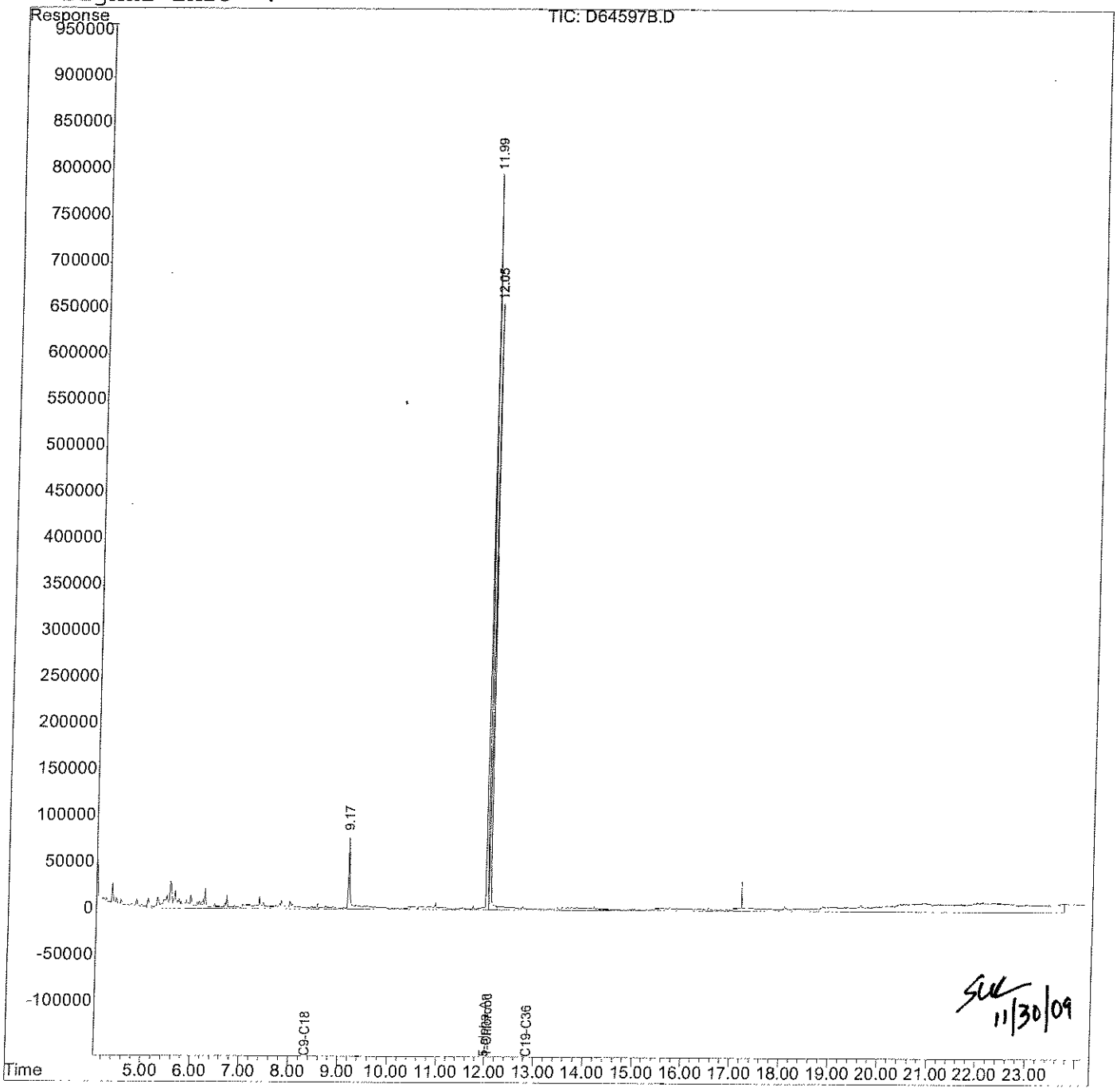
SLL 11/30/09

Data File : D:\HPCHEM\1\DATA\111709-D\D64597B.D Vial: 5
Acq On : 18 Nov 2009 6:52 am Operator: AR/MG
Sample : B11139EW Inst : GC/MS Ins
Misc : ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 19 2:57 2009 Quant Results File: ALG11139.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG11139.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Sat Nov 14 04:03:34 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

MK 11/24/09

Volume Inj. :
Signal Phase :
Signal Info :



SCK 11/30/09

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PO Box 1107
Yarmouth, ME 04096-1107

November 25, 2009

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B11129EASE
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/12/09
Analysis Date: 11/19/09

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				58
Aromatic Surrogate % Recovery (O-Terphenyl)				85
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				79
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				68
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

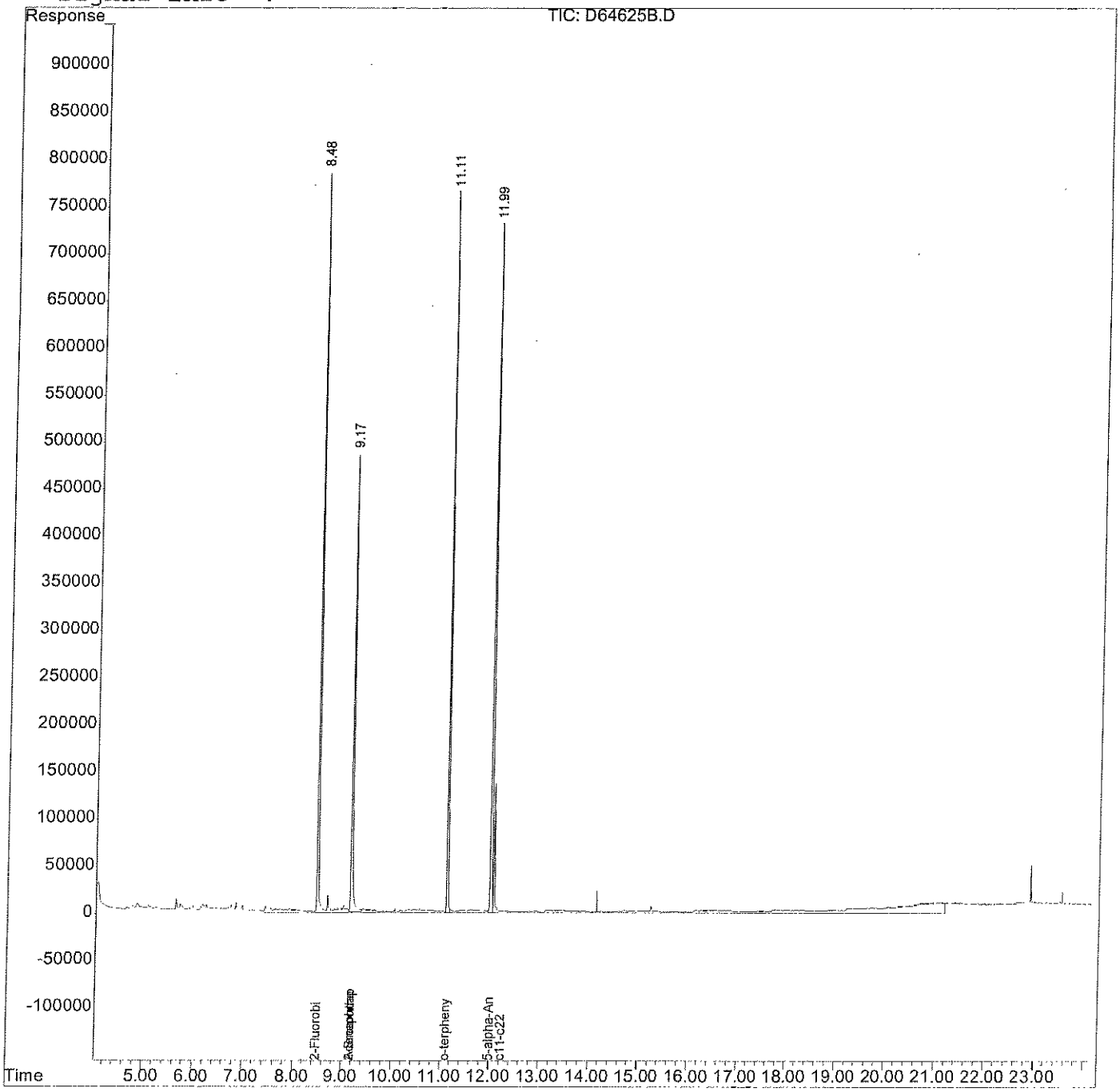
COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE:

Data File : D:\HPCHEM\1\DATA\111809-D\D64625B.D Vial: 8
Acq On : 19 Nov 2009 12:37 am Operator: AR/MG
Sample : B11129EASE Inst : GC/MS In
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 19 2:21 2009 Quant Results File: ARG11139.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG11139.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Wed Nov 18 06:21:49 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

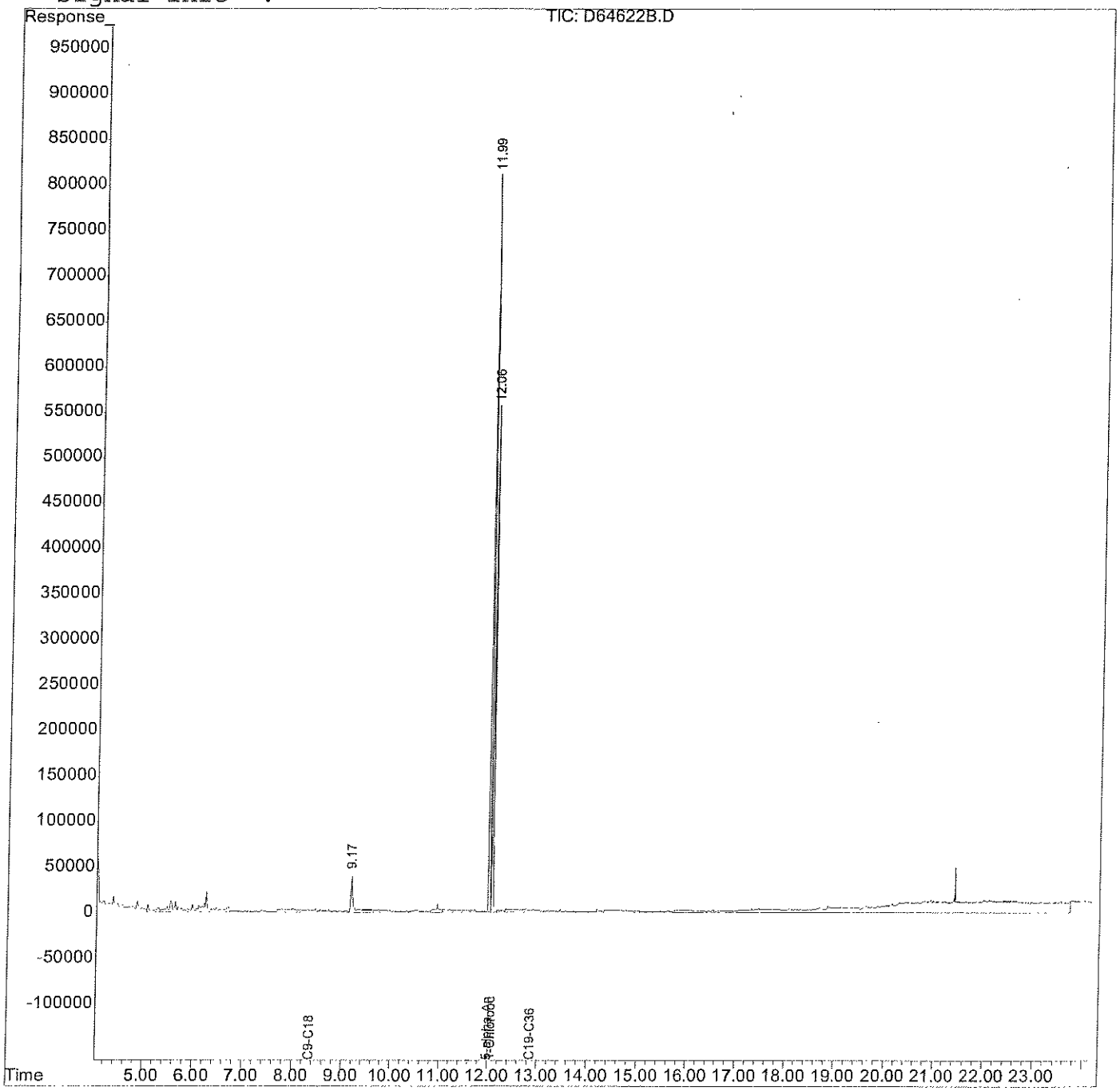


Data File : D:\HPCHEM\1\DATA\111809-D\D64622B.D Vial: 5
Acq On : 18 Nov 2009 11:07 pm Operator: AR/MG
Sample : B11129EASE Inst : GC/MS In
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 19 2:22 2009 Quant Results File: ALG11139.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG11139.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Sat Nov 14 04:03:34 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

11/24/09



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November 25, 2009

Mr. Herb Kodis
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Yarmouth, ME 04096-1107

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:
Client Sample ID: LabQC

SAMPLE DATA

Lab Sample ID: B11129EASE RR
Matrix: Solid
Percent Solid: 100
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/12/09
Analysis Date: 11/21/09

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		26700	µg/kg	U
Diesel PAH Analytes	Naphthalene	267	µg/kg	U
	2-Methylnaphthalene	267	µg/kg	U
	Phenanthrene	267	µg/kg	U
	Acenaphthene	267	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	267	µg/kg	U
	Fluorene	267	µg/kg	U
	Anthracene	267	µg/kg	U
	Fluoranthene	267	µg/kg	U
	Pyrene	267	µg/kg	U
	Benzo[a]anthracene	267	µg/kg	U
	Chrysene	267	µg/kg	U
	Benzo[b]fluoranthene	267	µg/kg	U
	Benzo[k]fluoranthene	267	µg/kg	U
	Benzo[a]pyrene	267	µg/kg	U
	Indeno[1,2,3-cd]pyrene	267	µg/kg	U
	Dibenzo[a,h]anthracene	267	µg/kg	U
	Benzo[g,h,i]perylene	267	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		26700	µg/kg	U
C11-C22 Aromatic Hydrocarbons[1,2]		26700	µg/kg	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				58
Aromatic Surrogate % Recovery (O-Terphenyl)				86
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				79
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				68
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

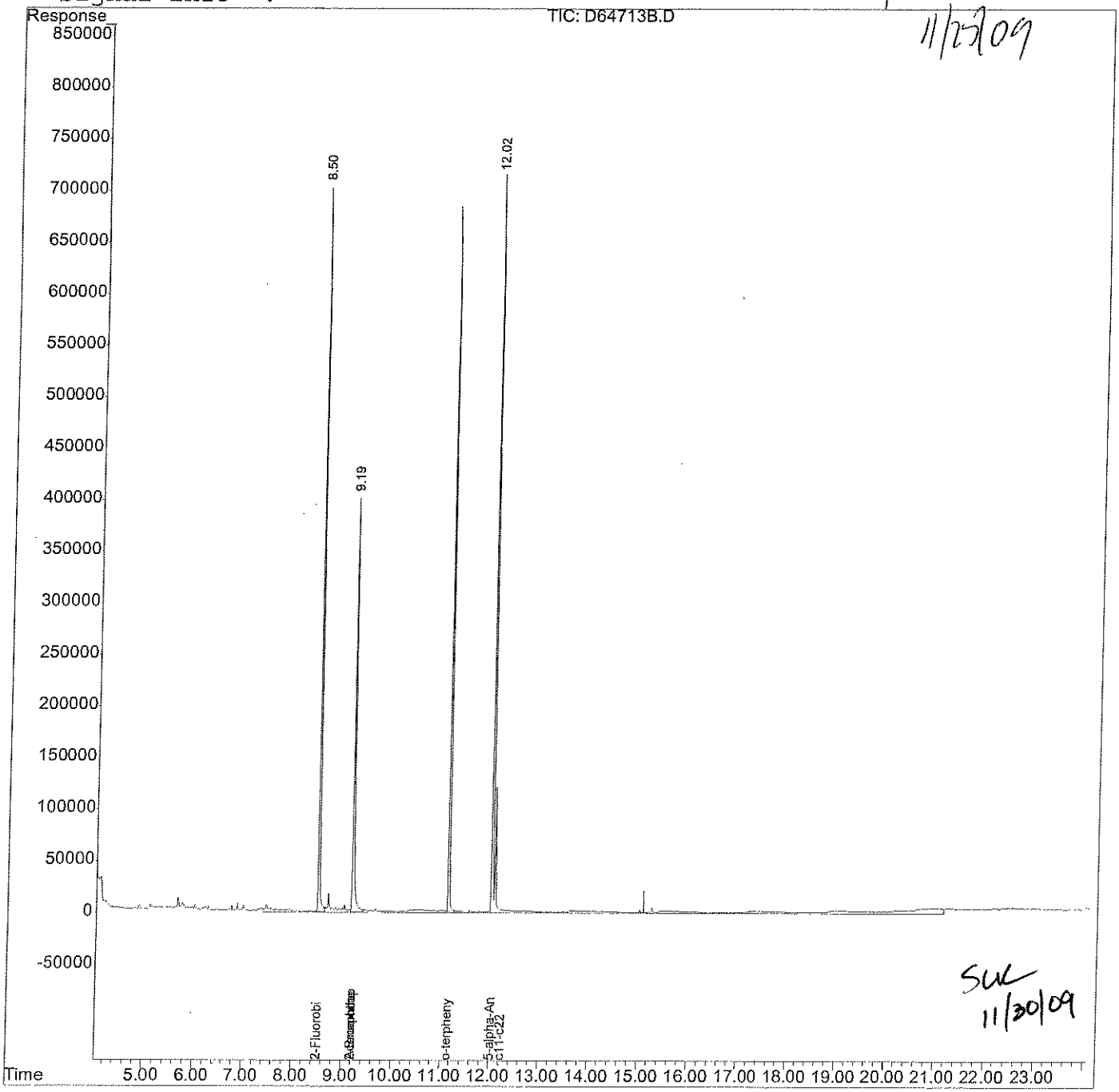
SIGNATURE:

Data File : D:\HPCHEM\1\DATA\112009-D\D64713B.D Vial: 6
Acq On : 21 Nov 2009 12:54 am Operator: AR/MG
Sample : B11129EASE,,RR Inst : GC/MS In
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 21 4:52 2009 Quant Results File: ARG11139.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG11139.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sat Nov 21 04:42:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

11/25/09



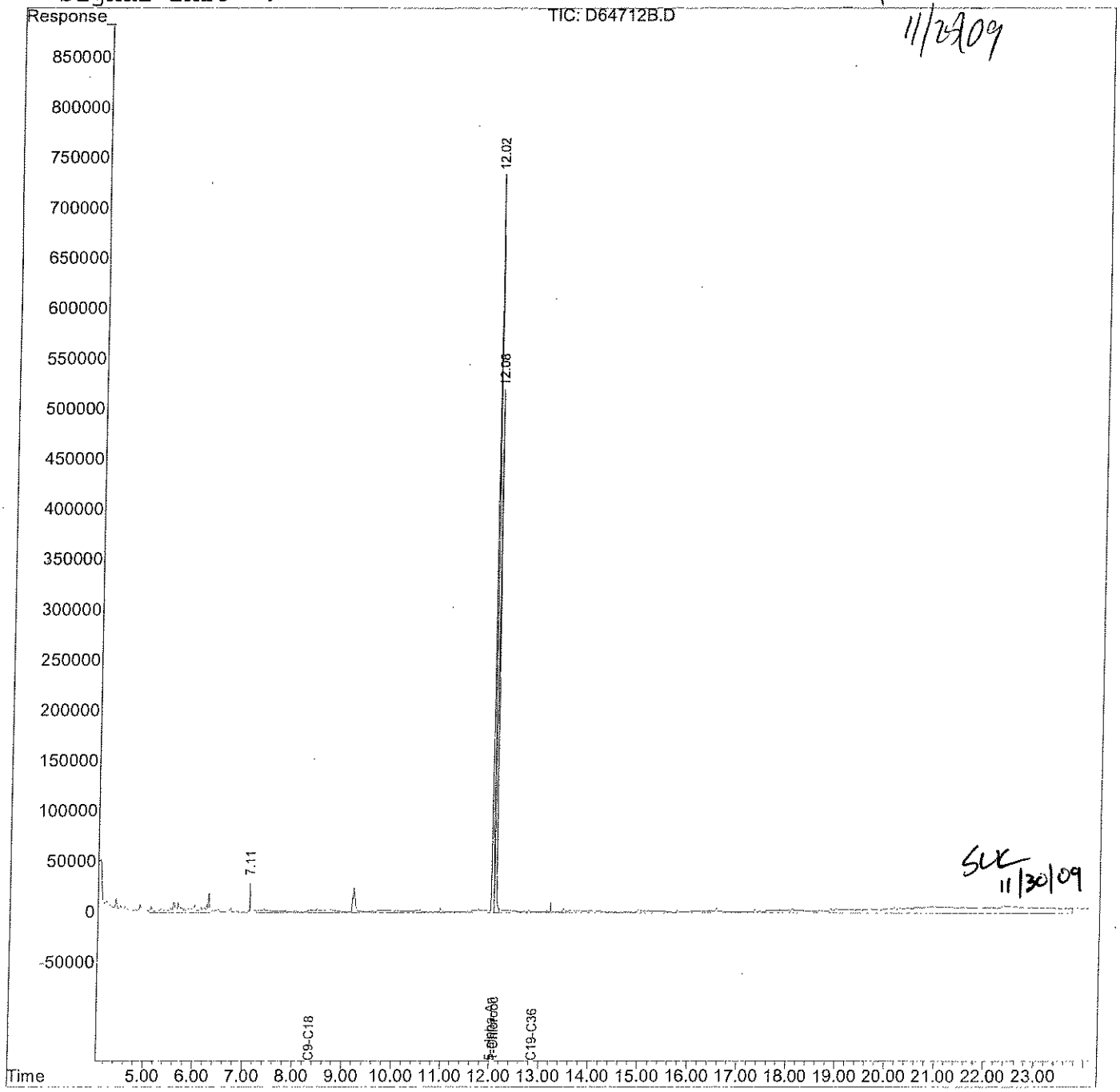
SUC 11/30/09

Data File : D:\HPCHEM\1\DATA\112009-D\D64712B.D Vial: 5
Acq On : 21 Nov 2009 12:24 am Operator: AR/MG
Sample : B11129EASE,,RR Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 21 4:44 2009 Quant Results File: ALG11139.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG11139.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Sat Nov 14 04:03:34 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

11/23/09



SLK 11/30/09

analytics environmental laboratory LLC

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800-929-9906

November 25, 2009

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

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Client Sample ID: BK-PW-02

SAMPLE DATA

Lab Sample ID:	65250-1
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	11/05/09
Lab Receipt Date:	11/06/09
Extraction Date:	11/13/09
Analysis Date:	11/18/09

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		153	µg/L	U
Diesel PAH Analytes	Naphthalene	4	µg/L	U
	2-Methylnaphthalene	4	µg/L	U
	Phenanthrene	4	µg/L	**2 J**
	Acenaphthene	4	µg/L	U
Other Target PAH Analytes	Acenaphthylene	4	µg/L	U
	Fluorene	4	µg/L	U
	Anthracene	4	µg/L	U
	Fluoranthene	4	µg/L	**6**
	Pyrene	4	µg/L	**6**
	Benzo[a]anthracene	4	µg/L	U
	Chrysene	4	µg/L	**3 J**
	Benzo[b]fluoranthene	4	µg/L	**3 J**
	Benzo[k]fluoranthene	4	µg/L	U
	Benzo[a]pyrene	4	µg/L	**2 J**
	Indeno[1,2,3-cd]pyrene	4	µg/L	**2 J**
	Dibenzo[a,h]anthracene	4	µg/L	U
	Benzo[g,h,i]perylene	4	µg/L	U
C9-C18 Aliphatic Hydrocarbons[1]		204	µg/L	U
C19-C36 Aliphatic Hydrocarbons[1]		204	µg/L	U
C11-C22 Aromatic Hydrocarbons[1,2]		153	µg/L	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				59
Aromatic Surrogate % Recovery (O-Terphenyl)				90
Sample Surrogate Acceptance Range		---	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				83
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				69
Fractionation Surrogate Acceptance Range		---	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3510C.

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

SIGNATURE:

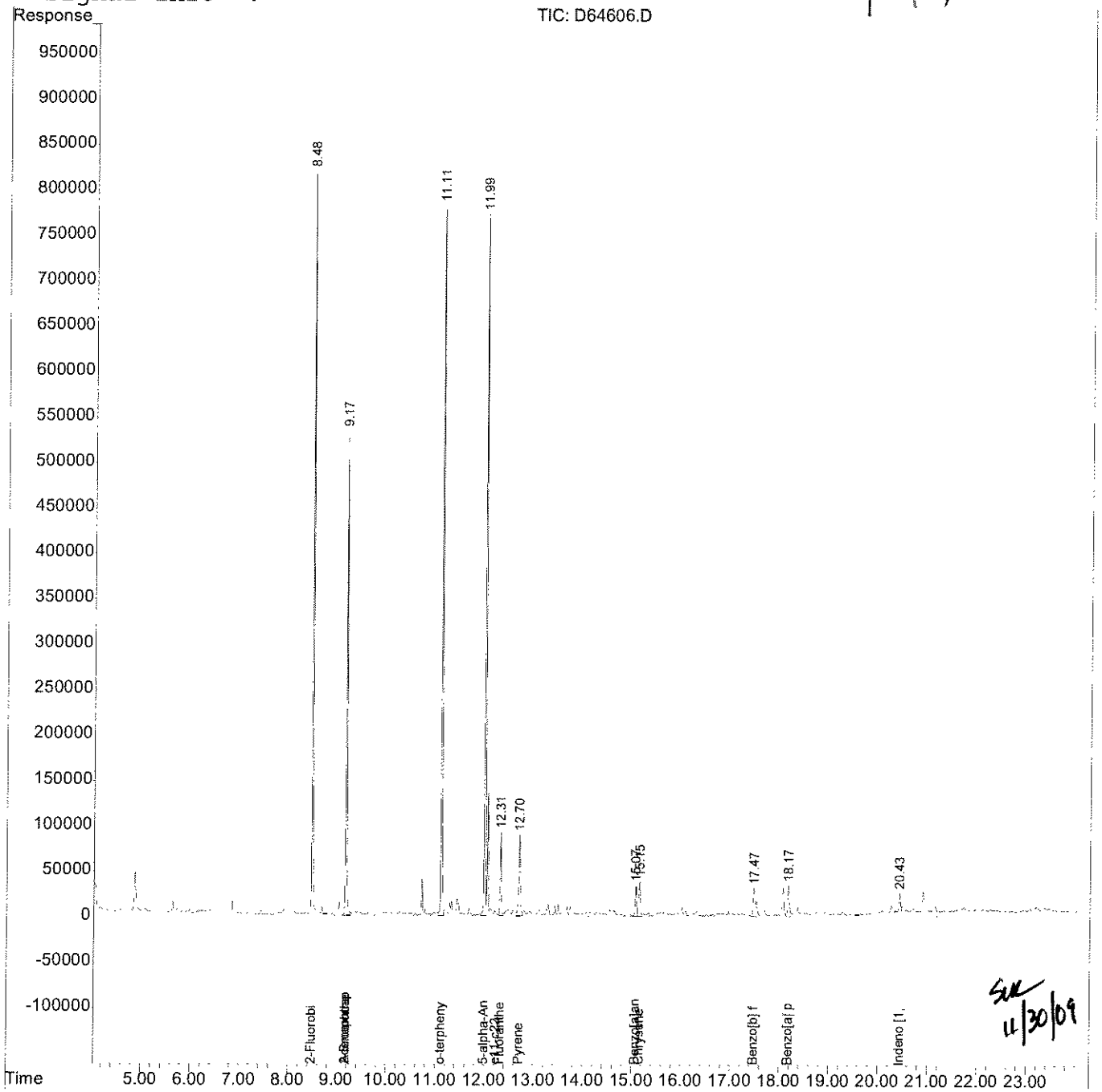
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\111709-D\D64606.D Vial: 14
Acq On : 18 Nov 2009 11:20 am Operator: AR/MG
Sample : 65250-1 Inst : GC/MS Ins
Misc : ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 19 2:43 2009 Quant Results File: ARG11139.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG11139.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Wed Nov 18 06:21:49 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

11/25/09



11/30/09

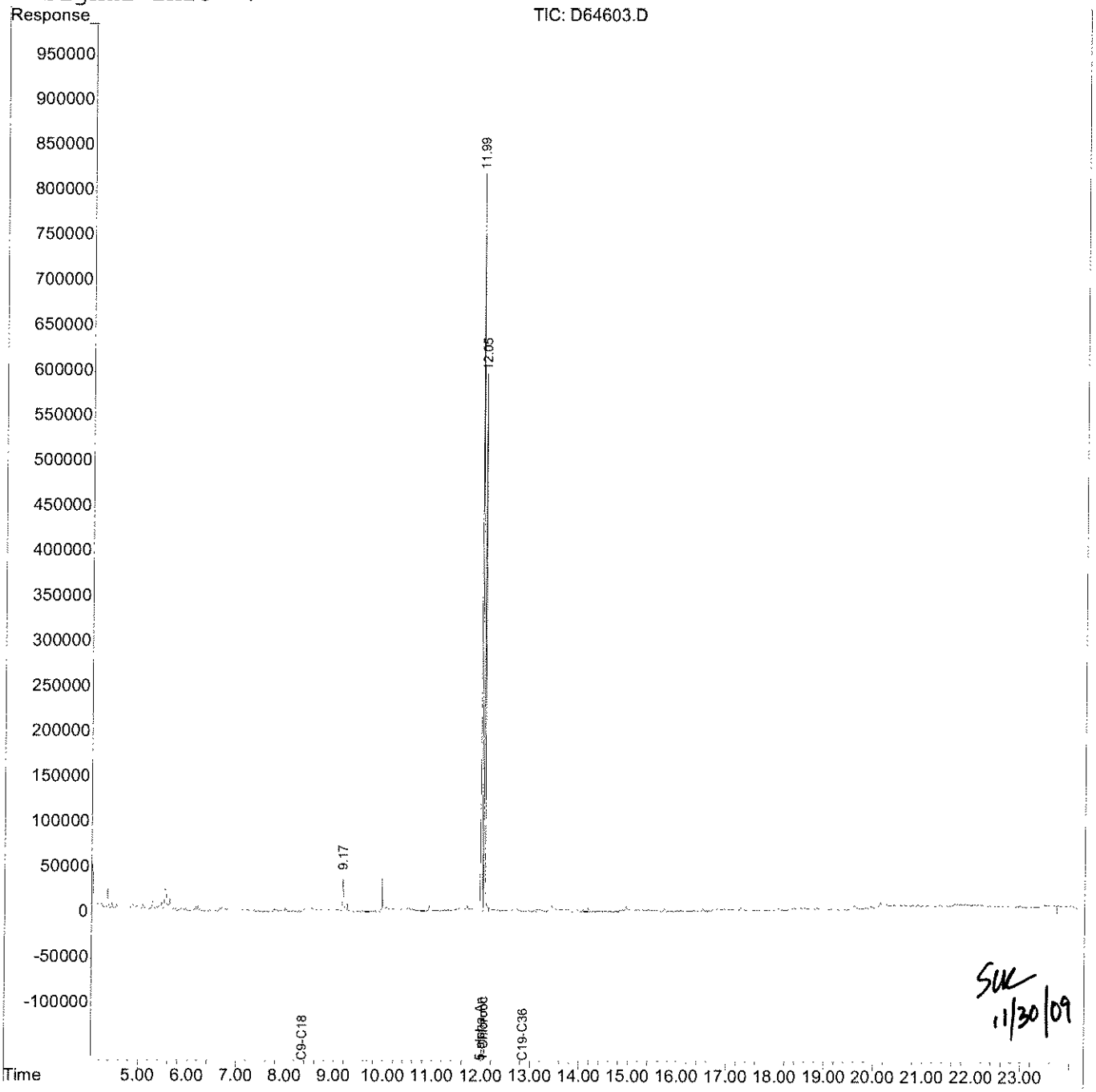
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\111709-D\D64603.D Vial: 11
Acq On : 18 Nov 2009 9:51 am Operator: AR/MG
Sample : 65250-1 Inst : GC/MS Ins
Misc : ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 19 2:58 2009 Quant Results File: ALG11139.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG11139.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Sat Nov 14 04:03:34 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

11/23/09

Volume Inj. :
Signal Phase :
Signal Info :



SUC 11/30/09

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PO Box 1107
Yarmouth, ME 04096-1107

November 25, 2009

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Client Sample ID: PW-19

SAMPLE DATA

Lab Sample ID:	65250-2
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	11/05/09
Lab Receipt Date:	11/06/09
Extraction Date:	11/13/09
Analysis Date:	11/18/09

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		152	µg/L	U
Diesel PAH Analytes	Naphthalene	4	µg/L	U
	2-Methylnaphthalene	4	µg/L	U
	Phenanthrene	4	µg/L	U
	Acenaphthene	4	µg/L	U
Other Target PAH Analytes	Acenaphthylene	4	µg/L	U
	Fluorene	4	µg/L	U
	Anthracene	4	µg/L	U
	Fluoranthene	4	µg/L	U
	Pyrene	4	µg/L	U
	Benzo[a]anthracene	4	µg/L	U
	Chrysene	4	µg/L	U
	Benzo[b]fluoranthene	4	µg/L	U
	Benzo[k]fluoranthene	4	µg/L	U
	Benzo[a]pyrene	4	µg/L	U
	Indeno[1,2,3-cd]pyrene	4	µg/L	U
	Dibenzo[a,h]anthracene	4	µg/L	U
	Benzo[g,h,i]perylene	4	µg/L	U
C9-C18 Aliphatic Hydrocarbons[1]		203	µg/L	U
C19-C36 Aliphatic Hydrocarbons[1]		203	µg/L	U
C11-C22 Aromatic Hydrocarbons[1,2]		152	µg/L	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				65
Aromatic Surrogate % Recovery (O-Terphenyl)				85
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				77
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				63
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3510C.

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

SIGNATURE:

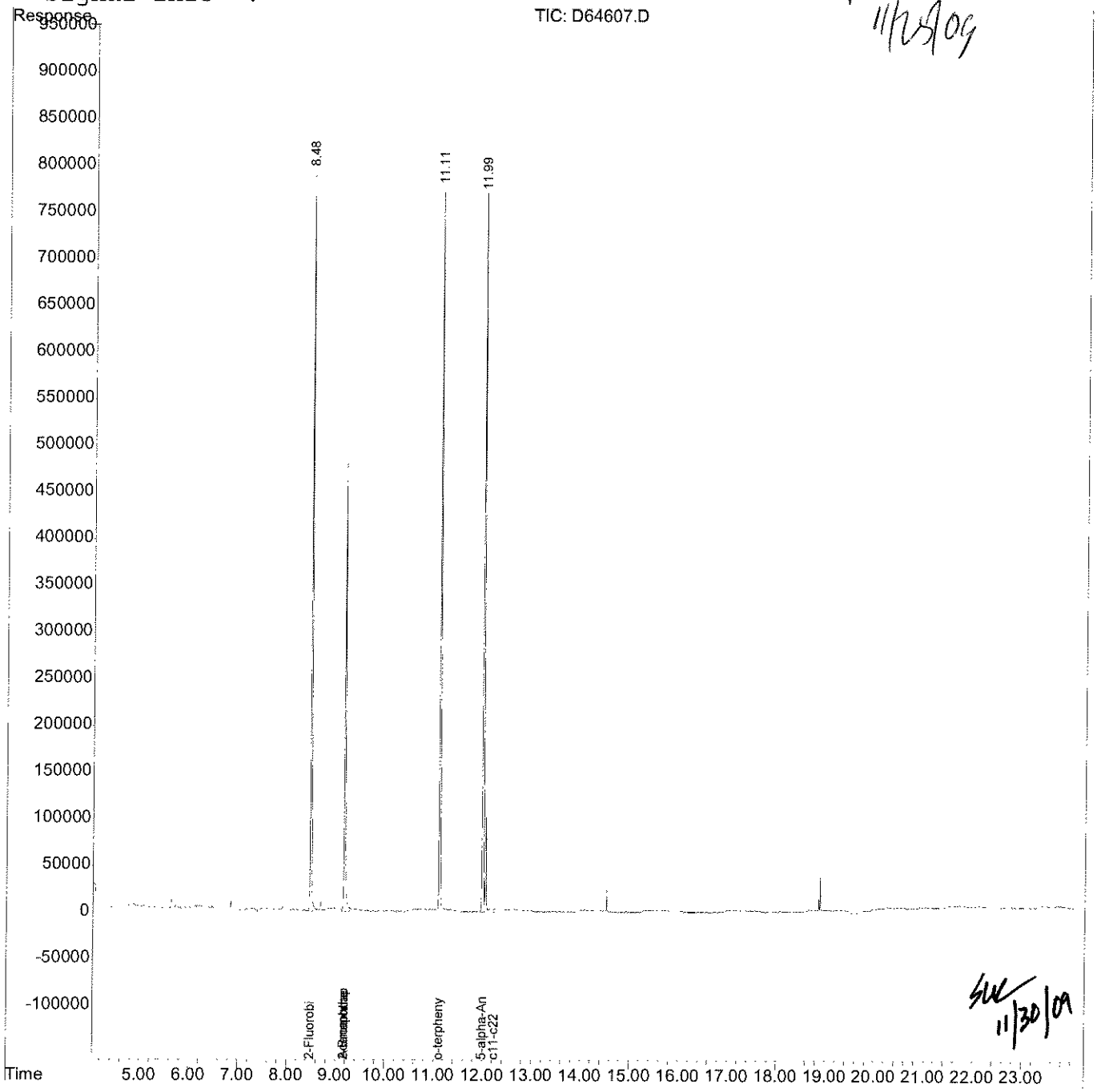
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\111709-D\D64607.D
Vial: 15
Acq On : 18 Nov 2009 11:50 am
Operator: AR/MG
Sample : 65250-2
Inst : GC/MS Ins
Misc : ARO
Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 19 2:43 2009 Quant Results File: ARG11139.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG11139.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Wed Nov 18 06:21:49 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

11/23/09



11/30/09

Quantitation Report (Not Reviewed)

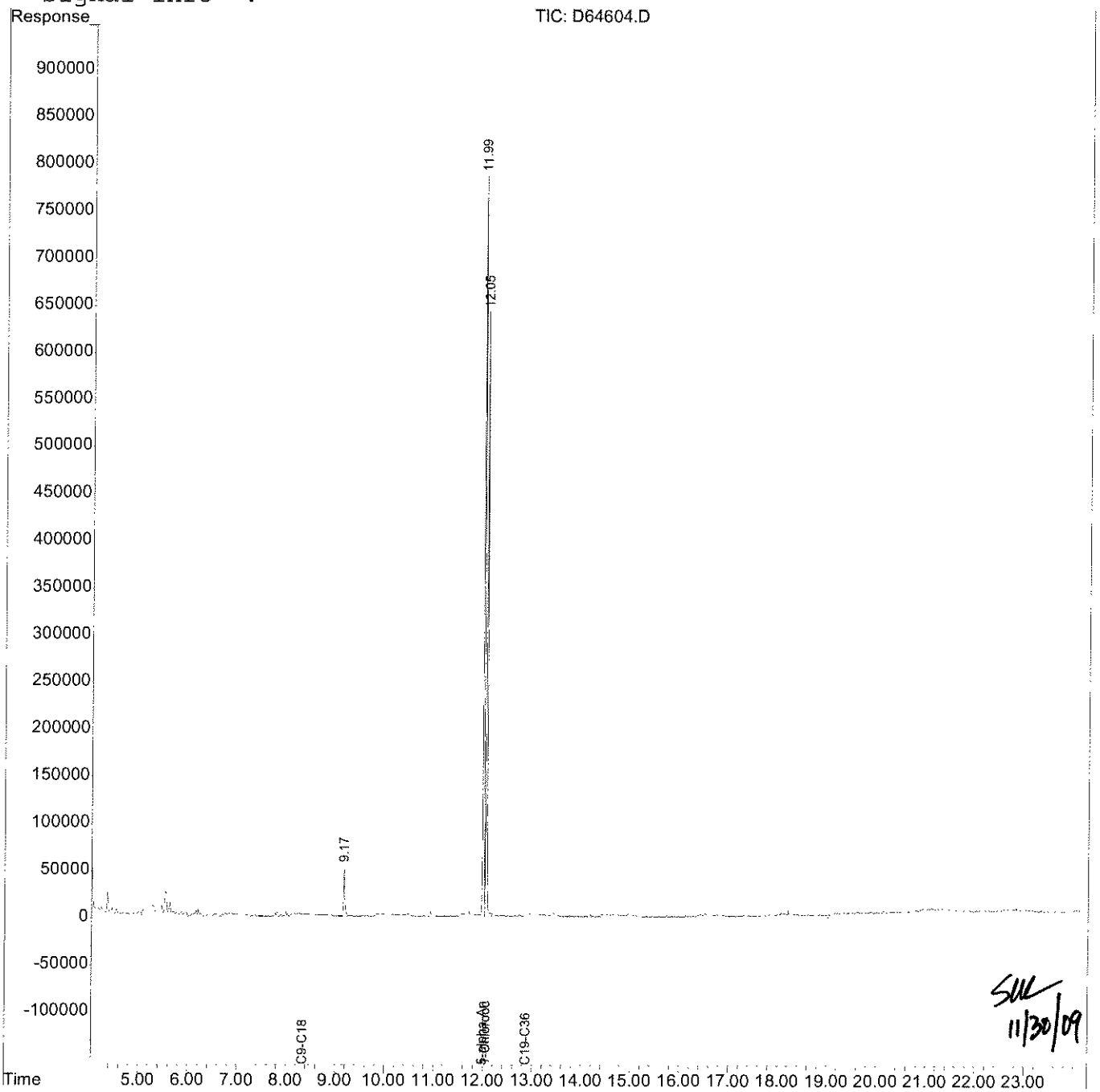
Data File : D:\HPCHEM\1\DATA\111709-D\D64604.D
Acq On : 18 Nov 2009 10:20 am
Sample : 65250-2
Misc : ALI
IntFile : EVENTS.E
Quant Time: Nov 19 2:58 2009 Quant Results File: ALG11139.RES

Vial: 12
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG11139.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Sat Nov 14 04:03:34 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

PM 11/25/09

Volume Inj. :
Signal Phase :
Signal Info :



SUL 11/30/09

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November 25, 2009

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Yarmouth, ME 04096-1107

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Client Sample ID: PW-20

SAMPLE DATA

Lab Sample ID:	65250-3
Matrix:	Aqueous
Percent Solid:	N/A
Dilution Factor:	1.0
Collection Date:	11/05/09
Lab Receipt Date:	11/06/09
Extraction Date:	11/13/09
Analysis Date:	11/18/09

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		153	µg/L	U
Diesel PAH Analytes	Naphthalene	4	µg/L	U
	2-Methylnaphthalene	4	µg/L	U
	Phenanthrene	4	µg/L	U
	Acenaphthene	4	µg/L	U
Other Target PAH Analytes	Acenaphthylene	4	µg/L	U
	Fluorene	4	µg/L	U
	Anthracene	4	µg/L	U
	Fluoranthene	4	µg/L	U
	Pyrene	4	µg/L	U
	Benzo[a]anthracene	4	µg/L	U
	Chrysene	4	µg/L	U
	Benzo[b]fluoranthene	4	µg/L	U
	Benzo[k]fluoranthene	4	µg/L	U
	Benzo[a]pyrene	4	µg/L	U
	Indeno[1,2,3-cd]pyrene	4	µg/L	U
	Dibenzo[a,h]anthracene	4	µg/L	U
	Benzo[g,h,i]perylene	4	µg/L	U
C9-C18 Aliphatic Hydrocarbons[1]		204	µg/L	U
C19-C36 Aliphatic Hydrocarbons[1]		204	µg/L	U
C11-C22 Aromatic Hydrocarbons[1,2]		153	µg/L	U
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				62
Aromatic Surrogate % Recovery (O-Terphenyl)				89
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				75
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				63
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3510C.

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.

SIGNATURE:

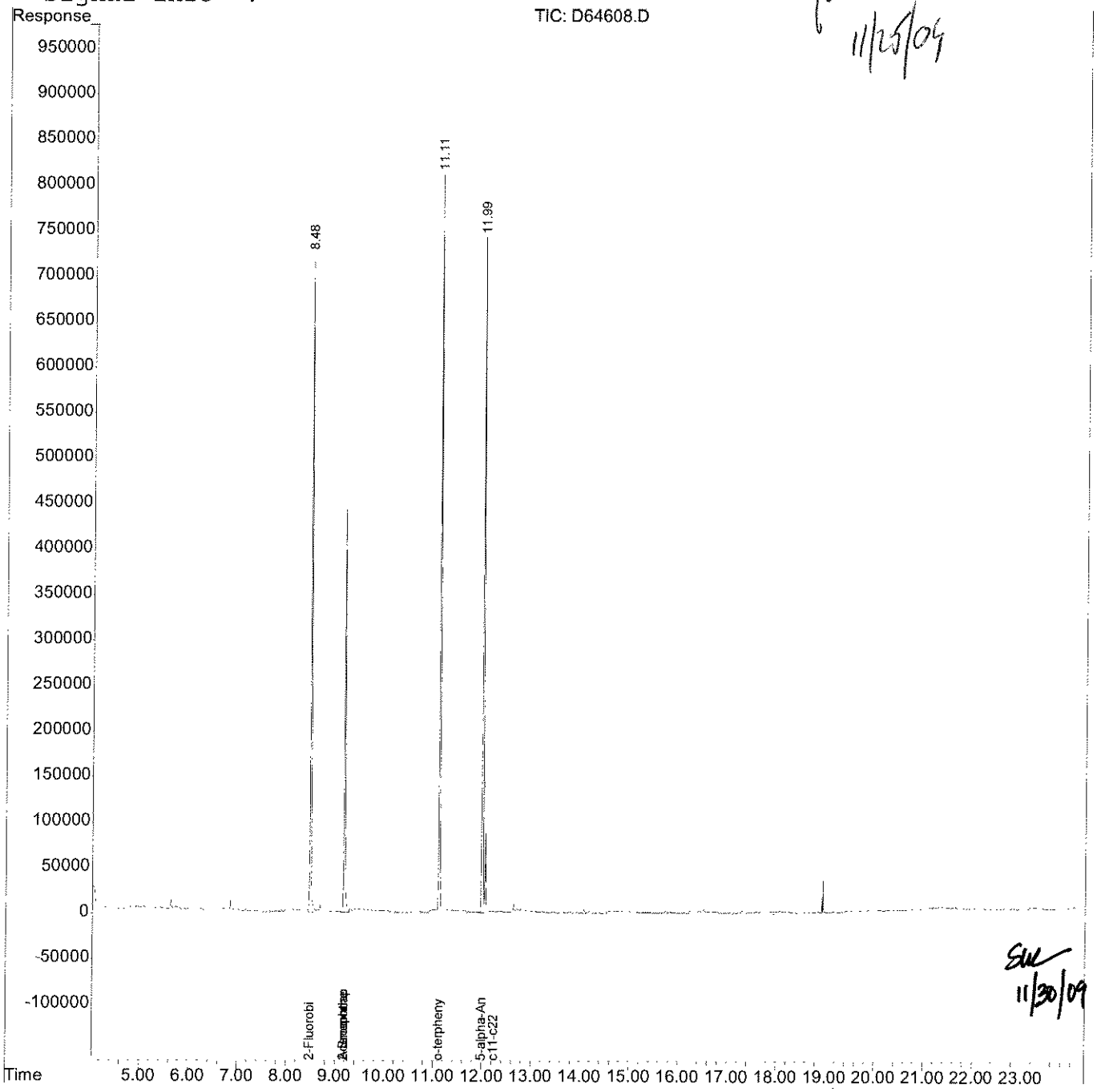
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\111709-D\D64608.D Vial: 16
Acq On : 18 Nov 2009 12:19 pm Operator: AR/MG
Sample : 65250-3 Inst : GC/MS Ins
Misc : ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 19 2:43 2009 Quant Results File: ARG11139.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG11139.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Wed Nov 18 06:21:49 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

11/25/09



SW 11/30/09

Quantitation Report (Not Reviewed)

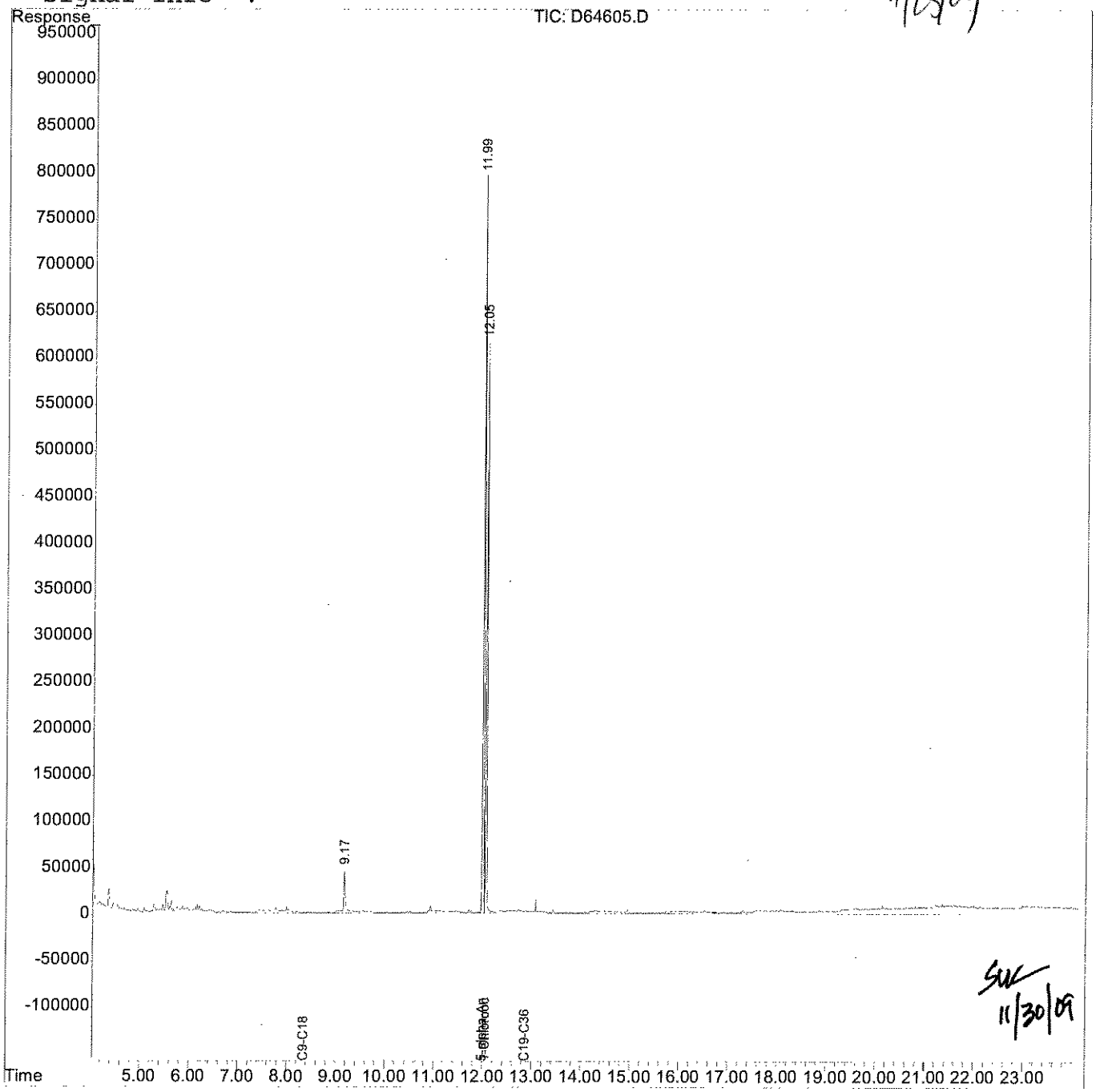
Data File : D:\HPCHEM\1\DATA\111709-D\D64605.D
Acq On : 18 Nov 2009 10:50 am
Sample : 65250-3
Misc : ALI
IntFile : EVENTS.E
Quant Time: Nov 19 2:58 2009 Quant Results File: ALG11139.RES

Vial: 13
Operator: AR/MG
Inst : GC/MS Ins
Multiplr: 1.00

Quant Method : D:\HPCHEM\1\METHODS\ALG11139.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Sat Nov 14 04:03:34 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

11/25/09



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November 25, 2009

Mr. Herb Kodis
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Yarmouth, ME 04096-1107

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Client Sample ID: SS-201

SAMPLE DATA

Lab Sample ID:	65250-4
Matrix:	Solid
Percent Solid:	70
Dilution Factor:	1.4
Collection Date:	11/05/09
Lab Receipt Date:	11/06/09
Extraction Date:	11/12/09
Analysis Date:	11/21/09

EPH ANALYTICAL RESULTS

RANGE/TARGET ANALYTE		RL	Units	Result
Unadjusted C11-C22 Aromatics[1]		37600	µg/kg	**22600 J**
Diesel PAH Analytes	Naphthalene	376	µg/kg	U
	2-Methylnaphthalene	376	µg/kg	U
	Phenanthrene	376	µg/kg	U
	Acenaphthene	376	µg/kg	U
Other Target PAH Analytes	Acenaphthylene	376	µg/kg	U
	Fluorene	376	µg/kg	U
	Anthracene	376	µg/kg	U
	Fluoranthene	376	µg/kg	**441**
	Pyrene	376	µg/kg	**400**
	Benzo[a]anthracene	376	µg/kg	**197 J**
	Chrysene	376	µg/kg	**221 J**
	Benzo[b]fluoranthene	376	µg/kg	**281 J**
	Benzo[k]fluoranthene	376	µg/kg	U
	Benzo[a]pyrene	376	µg/kg	**196 J**
	Indeno[1,2,3-cd]pyrene	376	µg/kg	**203 J**
	Dibenzo[a,h]anthracene	376	µg/kg	U
	Benzo[g,h,i]perylene	376	µg/kg	U
C9-C18 Aliphatic Hydrocarbons[1]		37600	µg/kg	U
C19-C36 Aliphatic Hydrocarbons[1]		37600	µg/kg	**42300**
C11-C22 Aromatic Hydrocarbons[1,2]		37600	µg/kg	**20700 J**
Aliphatic Surrogate % Recovery (1-Chloro-octadecane)				44
Aromatic Surrogate % Recovery (O-Terphenyl)				57
Sample Surrogate Acceptance Range		--	--	40-140%
#1 Fractionation Surrogate % Recovery (2-Fluorobiphenyl)				72
#2 Fractionation Surrogate % Recovery (2-Bromonaphthalene)				57
Fractionation Surrogate Acceptance Range		--	--	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes.
RL = Report Limit
U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: MADEP Extractable Petroleum Hydrocarbons (EPH), ORS Division of Environmental Analysis, May 2004 Revision 1.1. Samples were extracted in accordance with SW-846 Method 3545

COMMENTS: EPH analyses utilized the use of a GC/MS system to detect and quantify ranges and target analytes. Samples were received in accordance with method criteria unless noted on the sample receipt checklist.
Results are expressed on a dry weight basis.

SIGNATURE:

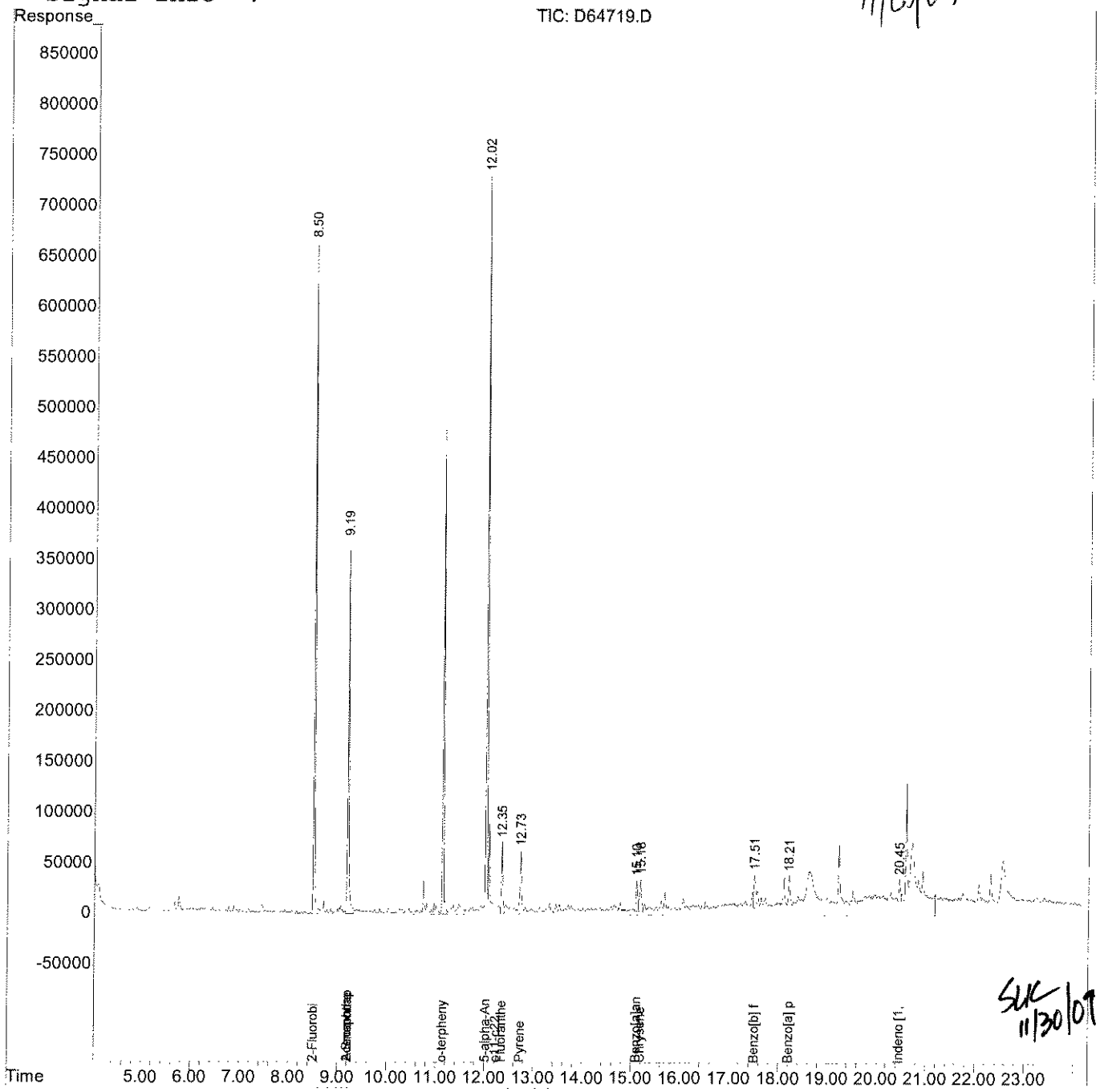
Quantitation Report (Not Reviewed)

Data File : D:\HPCHEM\1\DATA\112009-D\D64719.D Vial: 12
Acq On : 21 Nov 2009 3:53 am Operator: AR/MG
Sample : 65250-4 Inst : GC/MS Ins
Misc : SOIL,ARO Multiplr: 1.00
IntFile : autoint1.e
Quant Time: Nov 21 4:52 2009 Quant Results File: ARG11139.RES

Quant Method : D:\HPCHEM\1\METHODS\ARG11139.M (Chemstation Integrator)
Title : EPH GC AROMATICS
Last Update : Sat Nov 21 04:42:16 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

11/25/09



SLK 11/30/09

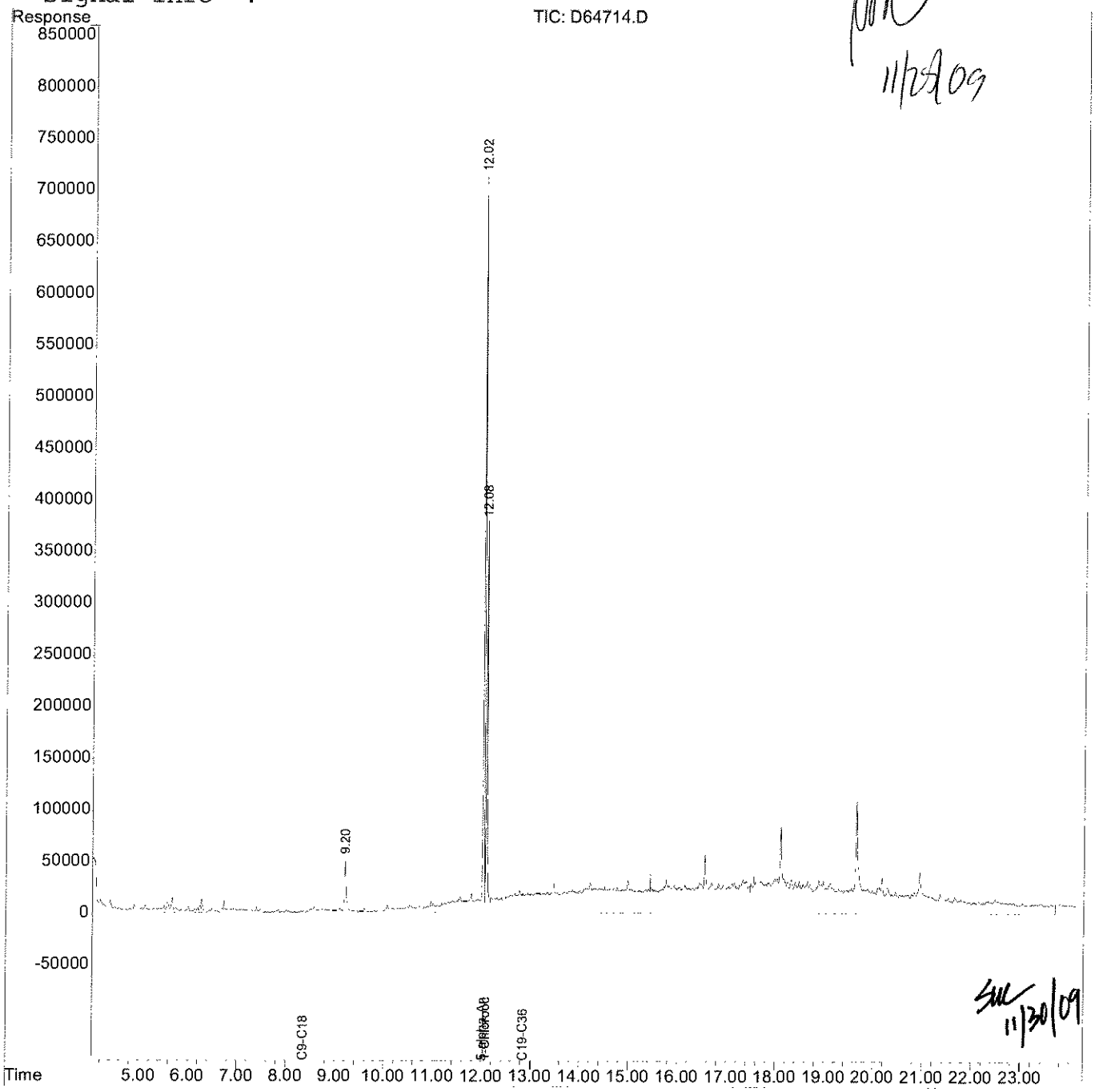
Quantitation Report (QT Reviewed)

Data File : D:\HPCHEM\1\DATA\112009-D\D64714.D Vial: 7
Acq On : 21 Nov 2009 1:24 am Operator: AR/MG
Sample : 65250-4 Inst : GC/MS Ins
Misc : SOIL,ALI Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 21 4:45 2009 Quant Results File: ALG11139.RES

Quant Method : D:\HPCHEM\1\METHODS\ALG11139.M (Chemstation Integrator)
Title : EPH GC ALIPHATICS
Last Update : Sat Nov 14 04:03:34 2009
Response via : Multiple Level Calibration
DataAcq Meth : EPHJ

Volume Inj. :
Signal Phase :
Signal Info :

11/25/09



11/30/09

EPH
QC Forms

EPH AROMATICS
AQUEOUS LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B11139EW
Spike: L11139EW
Spike duplicate: LD11139EW

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
Naphthalene	25	40	140	20	0.0	18	73		17	69		6	
2-Methylnaphthalene	25	40	140	20	0.0	19	76		18	72		5	
Acenaphthylene	25	40	140	20	0.0	21	82		19	78		6	
Acenaphthene	25	40	140	20	0.0	20	82		19	78		5	
Fluorene	25	40	140	20	0.0	20	81		19	78		5	
Phenanthrene	25	40	140	20	0.0	23	91		21	86		7	
Anthracene	25	40	140	20	0.0	23	91		22	88		4	
Fluoranthene	25	40	140	20	0.0	22	87		21	83		5	
Pyrene	25	40	140	20	0.0	21	85		21	83		2	
Benzo[a]anthracene	25	40	140	20	0.0	23	93		22	88		5	
Chrysene	25	40	140	20	0.0	23	92		22	87		6	
Benzo[b] fluoranthene	25	40	140	20	0.0	24	97		23	91		6	
Benzo[k] fluoranthene	25	40	140	20	0.0	23	93		23	93		1	
Benzo[a] pyrene	25	40	140	20	0.0	24	96		23	92		4	
Indeno [1,2,3-cd] pyrene	25	40	140	20	0.0	22	89		22	87		2	
Dibenz [a,h] anthracene	25	40	140	20	0.0	23	93		22	89		5	
Benzo(g,h,i) perylene	25	40	140	20	0.0	26	103		24	98		5	

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: _____

EPH ARO FORM 3

EPH ALIPHATICS
AQUEOUS LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B11139EW
Spike: L11139EW
Spike duplicate: LD11139EW

COMPOUND	SPIKE ADDED	LOWER LIMIT	UPPER LIMIT	RPD LIMIT	NON-SPIKE RESULT (ug/L)	SPIKE RESULT (ug/L)	SPIKE % REC	#	SPIKE DUP RESULT (ug/L)	SPIKE DUP % REC	#	RPD	#
C-9	25	30	140	25	0.0	14	54		13	52		5	
C-10	25	40	140	25	0.0	16	62		15	59		6	
C-12	25	40	140	25	0.0	17	70		16	65		7	
C-14	25	40	140	25	0.0	18	72		17	69		5	
C-16	25	40	140	25	0.0	20	79		18	73		8	
C-18	25	40	140	25	0.0	22	87		21	84		3	
C-19	25	40	140	25	0.0	22	88		21	84		4	
C-20	25	40	140	25	0.0	22	90		20	80		12	
C-22	25	40	140	25	0.0	22	87		21	86		2	
C-24	25	40	140	25	0.0	22	87		21	84		3	
C-26	25	40	140	25	0.0	22	87		20	80		9	
C-28	25	40	140	25	0.0	22	89		20	81		9	
C-30	25	40	140	25	0.0	23	91		21	83		9	
C-36	25	40	140	25	0.0	24	97		20	81		18	

C9-C18 Aliphatics	150	40	140	25	0	106	71		100	67		6	
C19-C36 Aliphatics	200	40	140	25	0	179	89		165	82		8	

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: _____

EPH ALI FORM 3

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: LD11139EW
Aromatic LCS: LD11139EW

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	17.1	0.0	
2-Methylnaphthalene	0	5	0.00	18.0	0.0	

Column to be used to flag breakthrough 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: _____

EPH ARO BREAKTHROUGH

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: L11139EW
Aromatic LCS: L11139EW

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	18.3	0.0	
2-Methylnaphthalene	0	5	0.00	19.0	0.0	

Column to be used to flag breakthrough 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: _____

EPH ALIPHATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B11129EASE
Spike: L11129EASE
Spike duplicate: LD11129EASE

COMPOUND	LCS SPIKE ADDED (ug/kg)	LCD 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	#
C-9	3333	3333	30	140	25	0	1837	55		1868	56		2	
C-10	3333	3333	40	140	25	0	2150	64		2161	65		1	
C-12	3333	3333	40	140	25	0	2245	67		2312	69		3	
C-14	3333	3333	40	140	25	0	2376	71		2353	71		1	
C-16	3333	3333	40	140	25	0	2497	75		2508	75		0	
C-18	3333	3333	40	140	25	0	2570	77		2779	83		8	
C-19	3333	3333	40	140	25	0	2667	80		2796	84		5	
C-20	3333	3333	40	140	25	0	2722	82		2747	82		1	
C-22	3333	3333	40	140	25	0	2642	79		2825	85		7	
C-24	3333	3333	40	140	25	0	2644	79		2776	83		5	
C-26	3333	3333	40	140	25	0	2731	82		2645	79		3	
C-28	3333	3333	40	140	25	0	2904	87		2461	74		17	
C-30	3333	3333	40	140	25	0	3099	93		2560	77		19	
C-36	3333	3333	40	140	25	0	3312	99		2425	73		31	*

C9-C18 Aliphatics	20000	20000	40	140	25	0	13675	68		13981	70		2	
C19-C36 Aliphatics	26667	26667	40	140	25	0	22721	85		21236	80		7	

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: _____

EPH ALI FORM 3

EPH AROMATICS
SOIL LABORATORY CONTROL SAMPLE
LABORATORY CONTROL SAMPLE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: B11129EASE
Spike: L11129EASE
Spike duplicate: LD11129EASE

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	3333	3333	40	140	30	0	2292	69		2314	69		1	
2-Methylnaphthalene	3333	3333	40	140	30	0	2347	70		2418	73		3	
Acenaphthylene	3333	3333	40	140	30	0	2514	75		2534	76		1	
Acenaphthene	3333	3333	40	140	30	0	2497	75		2553	77		2	
Fluorene	3333	3333	40	140	30	0	2546	76		2554	77		0	
Phenanthrene	3333	3333	40	140	30	0	2788	84		2819	85		1	
Anthracene	3333	3333	40	140	30	0	2773	83		2831	85		2	
Fluoranthene	3333	3333	40	140	30	0	2721	82		2753	83		1	
Pyrene	3333	3333	40	140	30	0	2685	81		2762	83		3	
Benzo[a]anthracene	3333	3333	40	140	30	0	2916	87		2872	86		2	
Chrysene	3333	3333	40	140	30	0	3005	90		2943	88		2	
Benzo[b] fluoranthene	3333	3333	40	140	30	0	3059	92		3027	91		1	
Benzo[k] fluoranthene	3333	3333	40	140	30	0	2972	89		2978	89		0	
Benzo[a] pyrene	3333	3333	40	140	30	0	3042	91		2983	90		2	
Indeno [1,2,3-cd] pyrene	3333	3333	40	140	30	0	2801	84		2686	81		4	
Dibenz [a,h] anthracene	3333	3333	40	140	30	0	2857	86		2900	87		2	
Benzo(g,h,i) perylene	3333	3333	40	140	30	0	3100	93		3172	95		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: _____

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: L11129EASE
Aromatic LCS: L11129EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	17.2	0.0	
2-Methylnaphthalene	0	5	0.00	17.6	0.0	

Column to be used to flag breakthrough 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: _____

EPH ARO BREAKTHROUGH

EPH AROMATIC BREAKTHOUGH REPORT
OF ALIPHATIC LABORATORY CONTROL SAMPLE

Instrument ID: D
GC Column: Rtx-5ms
Column ID: 0.25 mm

SDG:
Aliphatic LCS: LD11129EASE
Aromatic LCS: LD11129EASE

COMPOUND	LOWER LIMIT	UPPER LIMIT	ALIPHATIC RESULT (ug/mL)	AROMATIC RESULT (ug/mL)	% BREAKTHROUGH	#
Naphthalene	0	5	0.00	17.4	0.0	
2-Methylnaphthalene	0	5	0.00	18.1	0.0	

Column to be used to flag breakthrough 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: _____

EPH ALIPHATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 65250-4
Spike: 65250-4,MS
Spike duplicate: 65250-4,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	#
C-9	4671	4680	30	140	50	0	1440	31		1339	29	*	7	
C-10	4671	4680	40	140	50	0	1709	37	*	1480	32	*	14	
C-12	4671	4680	40	140	50	0	1911	41		1647	35	*	15	
C-14	4671	4680	40	140	50	0	2049	44		1847	39	*	10	
C-16	4671	4680	40	140	50	0	2273	49		2032	43		11	
C-18	4671	4680	40	140	50	0	2589	55		2269	48		13	
C-19	4671	4680	40	140	50	0	2861	61		2535	54		12	
C-20	4671	4680	40	140	50	0	2892	62		2709	58		7	
C-22	4671	4680	40	140	50	0	3110	67		2815	60		10	
C-24	4671	4680	40	140	50	0	3061	66		3245	69		6	
C-26	4671	4680	40	140	50	0	3743	80		3894	83		4	
C-28	4671	4680	40	140	50	0	4422	95		4287	92		3	
C-30	4671	4680	40	140	50	0	5084	109		4392	94		15	
C-36	4671	4680	40	140	50	0	5303	114		3930	84		30	
C9-C18 Aliphatics	28026	28081	40	140	50	0	11971	43		10614	38	*	12	
C19-C36 Aliphatics	37367	37441	40	140	50	0	30476	82		27806	74		9	

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: _____

EPH ALI FORM 3

EPH AROMATICS
SOIL MATRIX SPIKE/MATRIX SPIKE DUPLICATE
PERCENT RECOVERY

Instrument ID: D
GC Column: RTX-5ms
Column ID: 0.25 mm

SDG:
Non-spiked sample: 65250-4
Spike: 65250-4,MS
Spike duplicate: 65250-4,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	4671	4680	40	140	50	0	2231	48		1700	36	*	27	
2-Methylnaphthalene	4671	4680	40	140	50	0	2197	47		1670	36	*	27	
Acenaphthylene	4671	4680	40	140	50	0	2379	51		1815	39	*	27	
Acenaphthene	4671	4680	40	140	50	0	2283	49		1764	38	*	26	
Fluorene	4671	4680	40	140	50	0	2204	47		1743	37	*	23	
Phenanthrene	4671	4680	40	140	50	0	2514	54		2181	47		14	
Anthracene	4671	4680	40	140	50	0	2413	52		1910	41		23	
Fluoranthene	4671	4680	40	140	50	441	3061	56		2695	48		13	
Pyrene	4671	4680	40	140	50	400	3152	59		2766	51		13	
Benzo[a]anthracene	4671	4680	40	140	50	197	2493	49		2100	41		17	
Chrysene	4671	4680	40	140	50	221	2373	46		2005	38	*	17	
Benzo[b] fluoranthene	4671	4680	40	140	50	281	2487	47		2089	39	*	17	
Benzo[k] flooranthene	4671	4680	40	140	50	0	2185	47		1823	39	*	18	
Benzo[a] pyrene	4671	4680	40	140	50	196	2295	45		1933	37	*	17	
Indeno [1,2,3-cd] pyrene	4671	4680	40	140	50	203	2526	50		2103	41		18	
Dibenz [a,h] anthracene	4671	4680	40	140	50	0	2293	49		1870	40	*	20	
Benzo(g,h,i) perylene	4671	4680	40	140	50	0	2900	62		2361	50		21	

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: _____

EPH ARO FORM 3

PCB
DATA SUMMARIES

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

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

November 25, 2009

SAMPLE DATA

Lab Sample ID: B11069PSOX
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 11/06/09
Analysis Date: 11/09/09

CLIENT SAMPLE ID

Project Name: SME 882-09
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	100	%
Decachlorobiphenyl	86	%

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

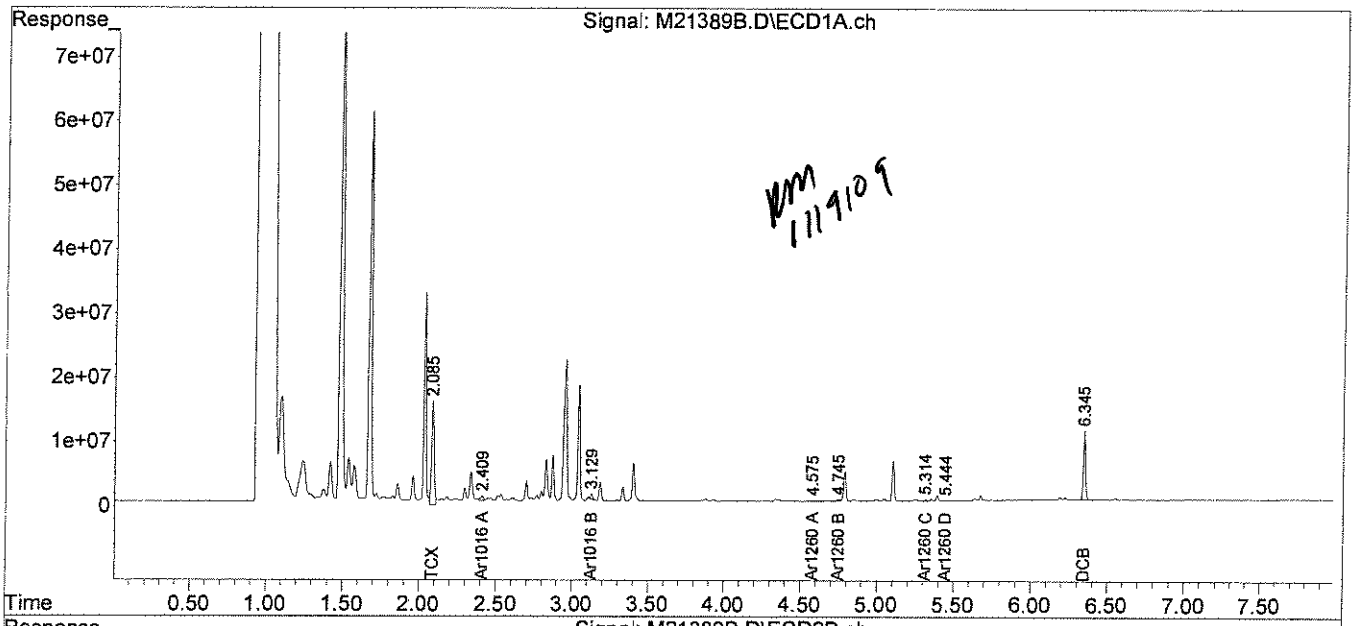
Authorized signature

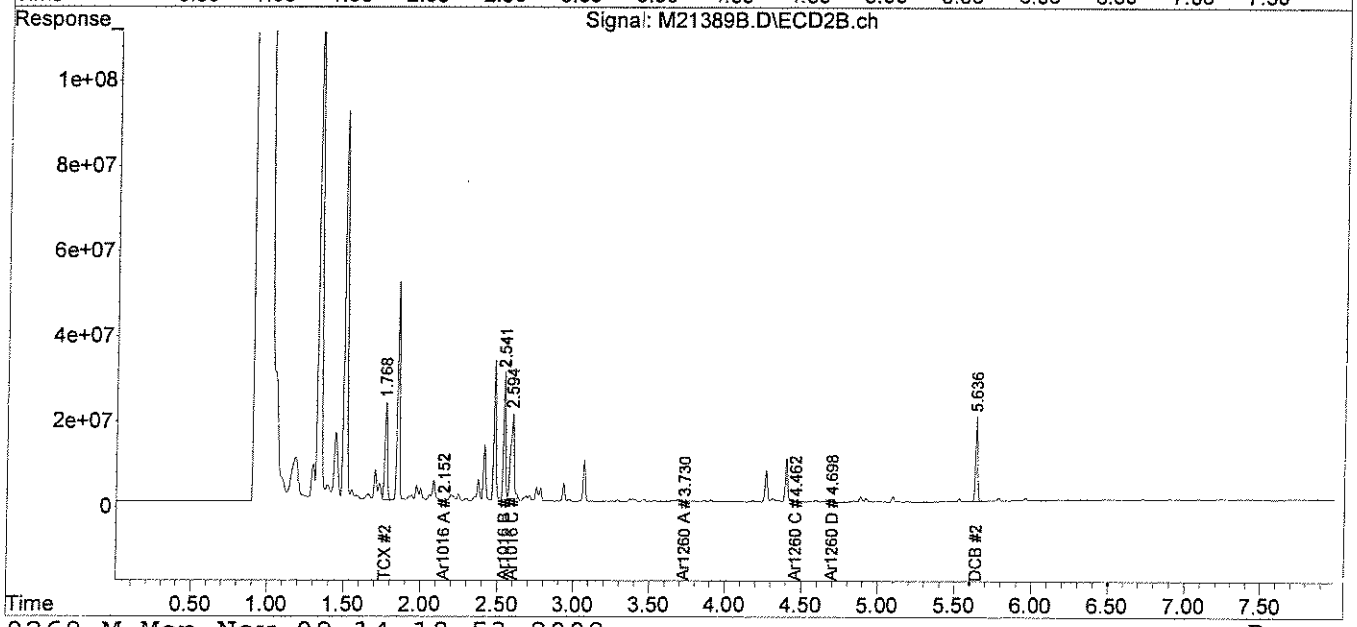
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\110909-M\
Data File : M21389B.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Nov 2009 10:37 am
Operator : RM
Sample : B11069PSOX,,A/C
Misc : SOIL
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 09 14:18:46 2009
Quant Method : C:\msdchem\1\METHODS\PCB10269.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Oct 27 08:54:44 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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

November 25, 2009

SAMPLE DATA

Lab Sample ID: B10269PAS2 RR
Matrix: Soil
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date:
Lab Receipt Date:
Extraction Date: 10/26/09
Analysis Date: 11/09/09

CLIENT SAMPLE ID

Project Name: SME 882-09
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	100	%
Decachlorobiphenyl	93	%

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

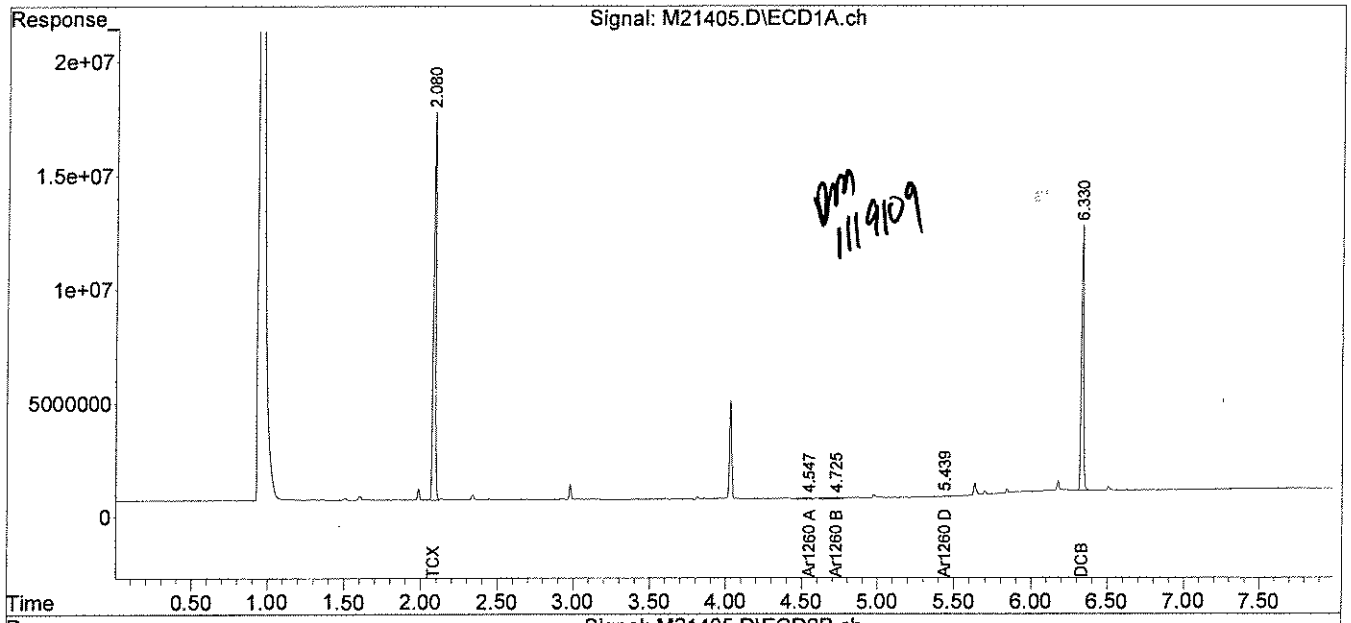
Authorized signature

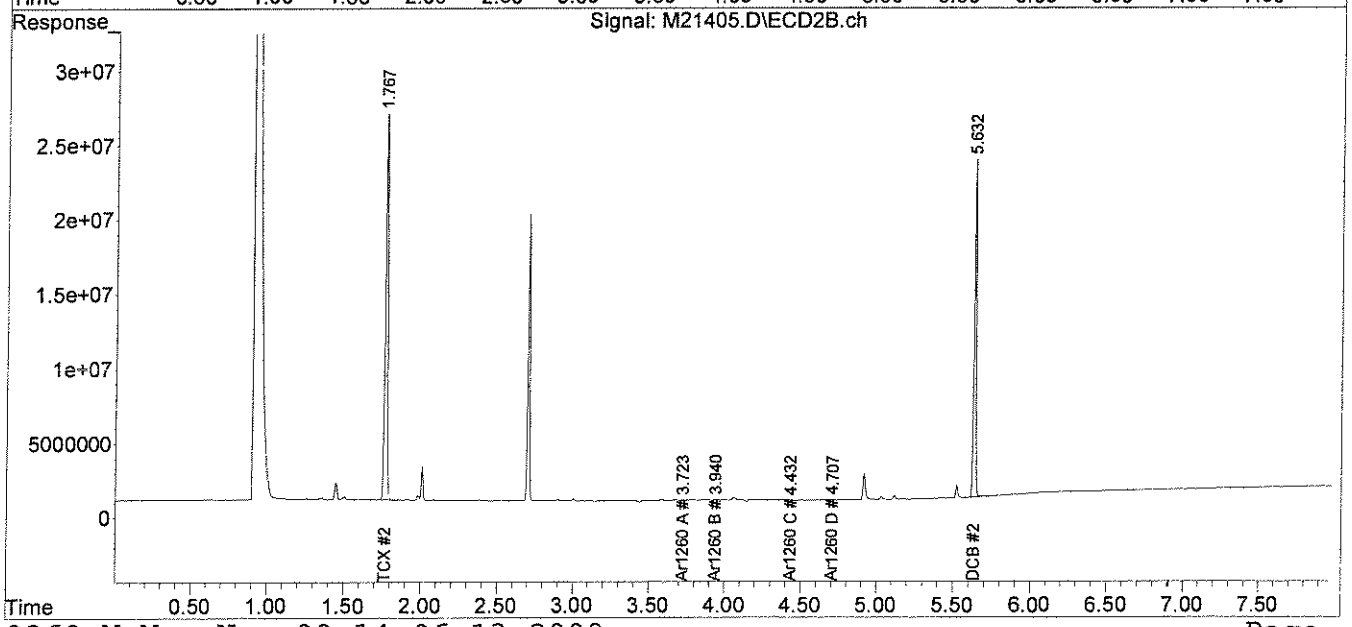
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\110909-M\
Data File : M21405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Nov 2009 1:24 pm
Operator : RM
Sample : B10269PAS2,RR2,,A/C
Misc : SOIL
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 09 14:06:13 2009
Quant Method : C:\msdchem\1\METHODS\PCB10269.M
Quant Title : Aroclor 1016/1260
QLast Update : Tue Oct 27 08:54:44 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





analytics environmental laboratory LLC

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800-929-9906

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

November 25, 2009

SAMPLE DATA

Lab Sample ID: 65250-4
Matrix: Solid
Percent Solid: 70
Dilution Factor: 1.4
Collection Date: 11/05/09
Lab Receipt Date: 11/06/09
Extraction Date: 11/06/09
Analysis Date: 11/09/09

CLIENT SAMPLE ID

Project Name: SME 882-09

Project Number:

Field Sample ID: SS-201

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg
PCB-1016	46	U
PCB-1221	46	U
PCB-1232	46	U
PCB-1242	46	U
PCB-1248	46	U
PCB-1254	46	U
PCB-1260	46	**107**

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	91	%
Decachlorobiphenyl	101	%

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

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: 65250
Sample: 65250-4,,A/C
Data File: M21408.D
Dilution Factor: 1.4

	Column #I	Column #2		
COMPOUND	SAMPLE RESULT (ug/kg)	SAMPLE RESULT (ug/kg)	RPD	#
PCB 1260	107	98	8.6	

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

* Values outside QC limits

Comments: _____

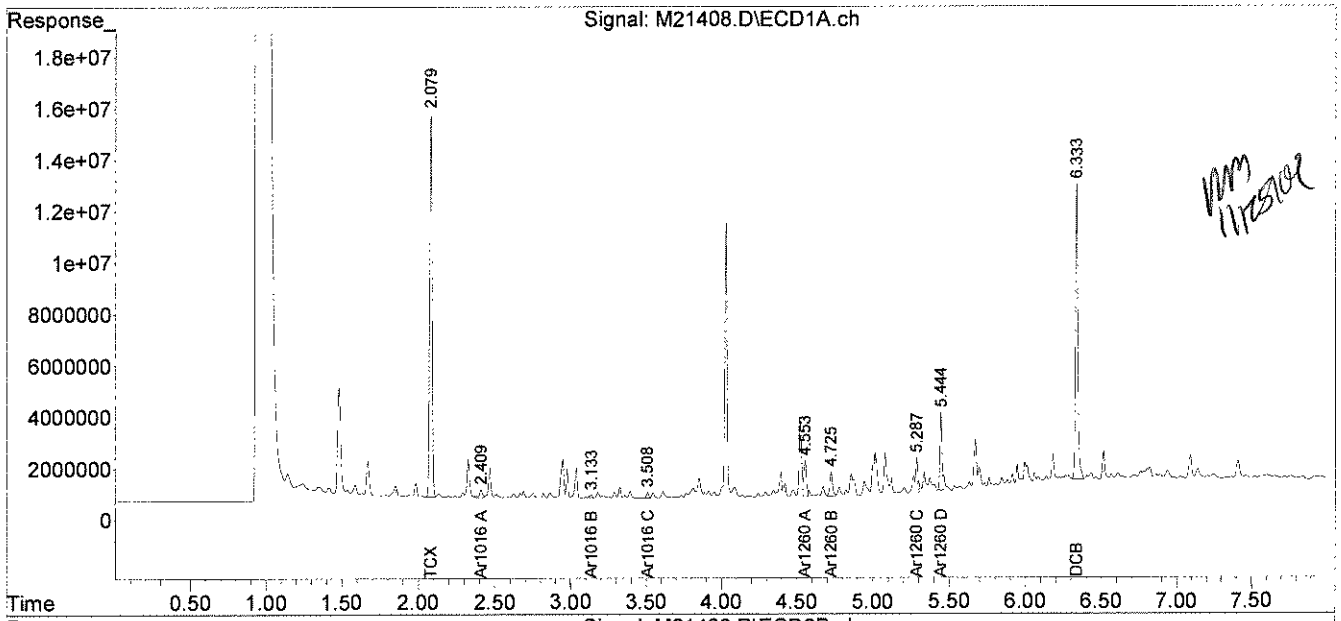
PCB FORM 10

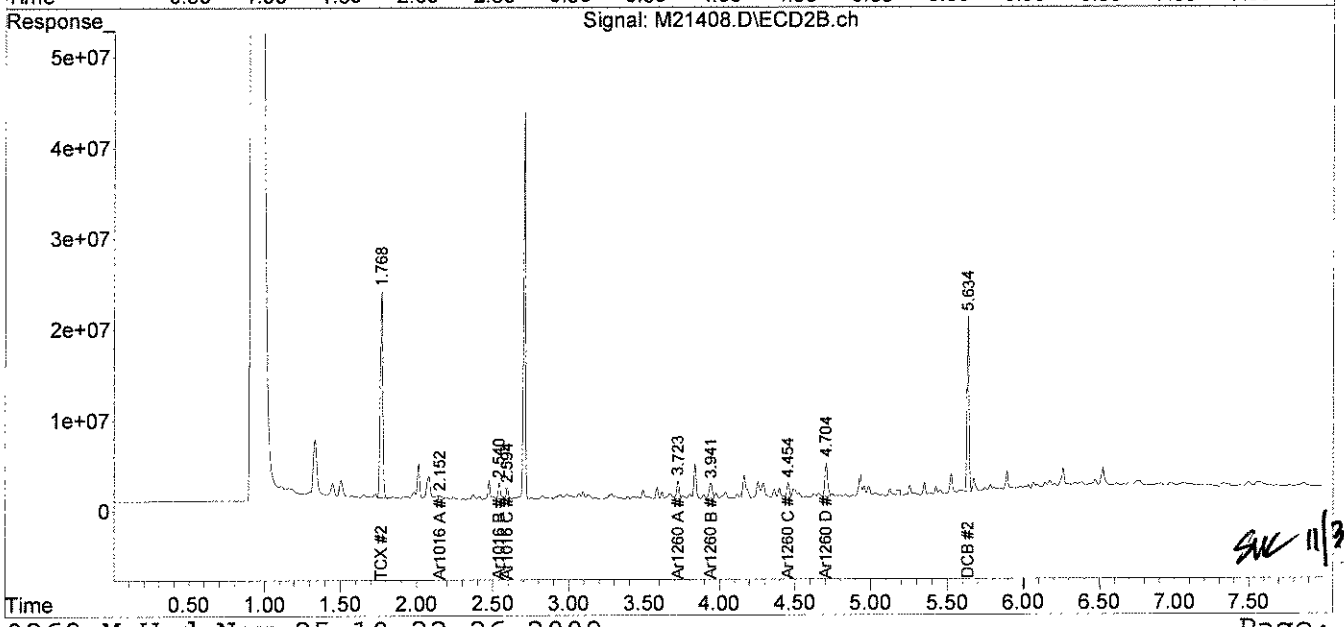
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\110909-M\
Data File : M21408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 9 Nov 2009 2:29 pm
Operator : RM
Sample : 65250-4,,A/C
Misc : SOIL
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Nov 25 10:22:19 2009
Quant Method : C:\msdchem\1\METHODS\PCB10269.M
Quant Title : Aroclor 1016/1260
QLast Update : Wed Nov 25 10:20:25 2009
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





SVC 11/30/09

PCB
QC FORMS

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

PCB SOIL
LABORATORY CONTROL SAMPLE/DUPLICATE
PERCENT RECOVERY

Instrument ID: M

GC Column #1: STX-CLPesticides 1

Column ID: 0.25 mm

GC Column #2: STX-CLPesticides 11

Column ID: 0.25 mm

SDG:

Non-spiked sample: B11069PSOX,,A/C

Spike: L11069PSOX,,A/C

Spike duplicate: LD11069PSOX,,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	236	118		221	110		6.5	
PCB 1260	200	200	60	130	30	0	204	102		215	108		5.2	
PCB 1016 #2	200	200	65	140	30	0	195	98		208	104		6.5	
PCB 1260 #2	200	200	60	130	30	0	172	86		185	93		7.1	

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

AEL

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: J. Cressey
TELEPHONE:
FAX # / E-MAIL:
COMPANY:
PURCHASE ORDER # / BILL TO:
ADDRESS:
PROJECT NAME: SME882-09
SAMPLER NAME: J. Cressey

LABORATORY REPORT #:
Delivered by:

TURNAROUND REQUEST
☒ Standard 11/17
☐ Priority (SURCHARGE)
Quote # ~~MEL~~ BZN8112601

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	EPH	VPH	VOC-8260	PCBs-Soxhlet							LABORATORY IDENTIFICATION/ SUBCONTRACTOR
SK-PW-02	5	V/G		X	Water	X		Various	11/5/09	1000	2	2	2		*						65250-1
PW-19	7	|		X	|	X		|	|	1050	X	X	X		*						2
PW-20	7	|		X	|	X		|	|	1120	X	X	X		*						3
SS-201	4	|		X	Soil	X		|		1035	X		X	X							4
Trip Blank	1	VOA			Aq								X								5
Trip Blank	1	VOA			Soil								X								6

Received within hold time ☑ yes ☐ no ☐ N/A
Received in good condition ☑ yes ☐ no ☐ N/A
Temp. Blank °C 1°-3° /Frozen ice packs ☐ N/A
Samples received preserved ☑ yes ☐ no ☐ N/A
Custody seal present ☐ yes ☑ no
*AP 11/6/09 All Amber Lwere received with pH:1.5

COMMENTS
Brownfields
MEDEP Edd - American Tissue
Level II
Labels √'d by CP 11/6/09

RELINQUISHED BY SAMPLER:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE 11/6/09	TIME 1235	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY LABORATORY:

COC-04 CWK

page of

ANALYTICS SAMPLE RECEIPT CHECKLIST

analytics environmental laboratory LLC

AEL LAB#: 65250

CLIENT: MEL

PROJECT: SME882-09

COOLER NUMBER: N/A

NUMBER OF COOLERS: 3

DATE RECEIVED: 11/6/09

A: PRELIMINARY EXAMINATION:

DATE COOLER OPENED: 11/6/09 MJ

Date Received: 11/6/09 MJ

1. Cooler received by(initials)

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

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

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#: _____

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: 1-3°C

B. Log-In: Date samples were logged in: 11/6/09 By: AP

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 AP 11/6/09 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 #'s: _____

21. Laboratory labeling verified by (initials): Date: CP 11/6/09