con-test®
ANALYTICAL LABORATORY
39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

FRED VANDERHOOF
ASSOCIATED BUILDING WRECKERS
352 ALBANY STREET
SPRINGFIELD, MA 01106

2/12/2008

Purchase Order No.: 2070222

Project Location: SPRINGFIELD, MA. CHAPMAN VALVE
Date Received: 2/5/2008
Field Sample # : WEST SIDE WALL

LIMS-BAT #: LIMT-13241
Job Number: 2070222A

Analytical Method:
MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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2/12/2008

Purchase Order No.: 2070222

Project Location: SPRINGFIELD, MA. CHAPMAN VALVE
Date Received: 2/5/2008

LIMS-BAT #: LIMT-13241
Job Number: 2070222A

Analytical Method:
SM 2540G
PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

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SPRINGFIELD, MA 01106

2/12/2008

Purchase Order No.: 2070222

Project Location: SPRINGFIELD, MA. CHAPMAN VALVE
Date Received: 2/5/2008
Field Sample # : NORTH SIDE WALL
Sample ID : 08B03740
Sampled : 2/4/2008
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMT-13241
Job Number: 2070222A

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	02/07/08	EH	26.5			
C5-C8 Aliphatics	mg/kg dry wt	ND	02/07/08	EH	26.5			
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	02/07/08	EH	17.7			
C9-C12 Aliphatics	mg/kg dry wt	ND	02/07/08	EH	17.7			
C9-C10 Aromatics	mg/kg dry wt	ND	02/07/08	EH	17.7			
Benzene	mg/kg dry wt	ND	02/07/08	EH	0.089			
Ethylbenzene	mg/kg dry wt	ND	02/07/08	EH	0.089			
MTBE	mg/kg dry wt	ND	02/07/08	EH	0.089			
Naphthalene	mg/kg dry wt	ND	02/07/08	EH	0.882			
Toluene	mg/kg dry wt	ND	02/07/08	EH	0.089			
m/p-Xylene	mg/kg dry wt	ND	02/07/08	EH	0.177			
o-Xylene	mg/kg dry wt	ND	02/07/08	EH	0.089			

Analytical Method:
MADEP-VPH-04-1.1
SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit
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2/12/2008

Purchase Order No.: 2070222

Project Location: SPRINGFIELD, MA. CHAPMAN VALVE
Date Received: 2/5/2008
Field Sample # : UST 4 EAST SW
Sample ID : 08B03743

Sampled : 2/4/2008
NOT SPECIFIED

LIMS-BAT #: LIMT-13241
Job Number: 2070222A

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	02/07/08	EH	18.7			
C5-C8 Aliphatics	mg/kg dry wt	ND	02/07/08	EH	18.7			
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	02/07/08	EH	12.5			
C9-C12 Aliphatics	mg/kg dry wt	ND	02/07/08	EH	12.5			
C9-C10 Aromatics	mg/kg dry wt	ND	02/07/08	EH	12.5			
Benzene	mg/kg dry wt	ND	02/07/08	EH	0.063			
Ethylbenzene	mg/kg dry wt	ND	02/07/08	EH	0.063			
MTBE	mg/kg dry wt	ND	02/07/08	EH	0.063			
Naphthalene	mg/kg dry wt	ND	02/07/08	EH	0.621			
Toluene	mg/kg dry wt	ND	02/07/08	EH	0.063			
m/p-Xylene	mg/kg dry wt	ND	02/07/08	EH	0.125			
o-Xylene	mg/kg dry wt	ND	02/07/08	EH	0.063			

Analytical Method:
MADEP-VPH-04-1.1
SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

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2/12/2008

Purchase Order No.: 2070222

Project Location: SPRINGFIELD, MA. CHAPMAN VALVE
Date Received: 2/5/2008

LIMS-BAT #: LIMT-13241
Job Number: 2070222A

** END OF REPORT **

RL = Reporting Limit

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/12/2008 Lims Bat # : LIMT-13241

QC Batch Number: GC/FID-20282

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-113154					
	Naphthalene Aliphatic Fraction	Blank	<0.1	mg/kg dry wt	
	2-Methylnaphthalene Aliphatic Fraction	Blank	<0.1	mg/kg dry wt	
	Unadjusted C11-C22 Aromatics	Blank	<30.0	mg/kg dry wt	
	C9-C18 Aliphatics	Blank	<30.0	mg/kg dry wt	
	C19-C36 Aliphatics	Blank	<30.0	mg/kg dry wt	
	C11-C22 Aromatics	Blank	<30.0	mg/kg dry wt	
LFBLANK-74598					
	Naphthalene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	74.0	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.7	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	75.0	%	40-140
		Lab Fort Blank Range	1.0	units	
		Lab Fort Bl. Av. Rec	74.5	%	
		LFB Duplicate RPD	1.4	%	0-25
	Acenaphthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.1	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.8	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.4	%	40-140
		Lab Fort Blank Range	5.2	units	
		Lab Fort Bl. Av. Rec	94.7	%	
		LFB Duplicate RPD	5.5	%	0-25
	Acenaphthylene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.3	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.4	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.6	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.8	%	40-140
		Lab Fort Blank Range	6.4	units	
		Lab Fort Bl. Av. Rec	89.6	%	
		LFB Duplicate RPD	7.1	%	0-25
	Anthracene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.8	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.6	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.7	%	40-140
		Lab Fort Blank Range	4.1	units	
		Lab Fort Bl. Av. Rec	98.7	%	
		LFB Duplicate RPD	4.2	%	0-25

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/12/2008 Lims Bat # : LIMT-13241

QC Batch Number: GC/FID-20282

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-74598					
	Chrysene	Lab Fort Bl. Av. Rec	104.0	%	
		LFB Duplicate RPD	3.5	%	0-25
	Dibenzo(a,h)anthracene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.9	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.9	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.9	%	40-140
		Lab Fort Blank Range	6.0	units	
		Lab Fort Bl. Av. Rec	96.9	%	
		LFB Duplicate RPD	6.1	%	0-25
	Fluoranthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.9	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.6	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.8	%	40-140
		Lab Fort Blank Range	3.2	units	
		Lab Fort Bl. Av. Rec	100.2	%	
		LFB Duplicate RPD	3.1	%	0-25
	Fluorene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.5	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.7	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.8	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.2	%	40-140
		Lab Fort Blank Range	5.5	units	
		Lab Fort Bl. Av. Rec	94.4	%	
		LFB Duplicate RPD	5.8	%	0-25
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.4	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.9	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.6	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.3	%	40-140
		Lab Fort Blank Range	3.4	units	
		Lab Fort Bl. Av. Rec	91.6	%	
		LFB Duplicate RPD	3.7	%	0-25
	2-Methylnaphthalene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.1	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.3	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/12/2008 Lims Bat # : LIMT-13241

QC Batch Number: GC/FID-20282

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-74598					
	Naphthalene Aliphatic Fraction	Dup Lab Fort Bl Amt.	3.7	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	0.0	%	0-5
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	0.0	%	
	2-Methylnaphthalene Aliphatic Fraction	Lab Fort Blank Amt.	4.0	mg/kg dry wt	
		Lab Fort Blk. Found	0.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	4.3	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	0.0	%	0-5
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	0.0	%	
	Unadjusted C11-C22 Aromatics	Lab Fort Blank Amt.	85.0	mg/kg dry wt	
		Lab Fort Blk. Found	75.2	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.5	%	40-140
		Dup Lab Fort Bl Amt.	85.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	78.5	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.4	%	40-140
		Lab Fort Blank Range	3.8	units	
		Lab Fort Bl. Av. Rec	90.4	%	
		LFB Duplicate RPD	4.2	%	0-25
	C9-C18 Aliphatics	Lab Fort Blank Amt.	30.0	mg/kg dry wt	
		Lab Fort Blk. Found	26.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.9	%	40-140
		Dup Lab Fort Bl Amt.	30.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	25.8	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.0	%	40-140
		Lab Fort Blank Range	2.9	units	
		Lab Fort Bl. Av. Rec	87.5	%	
		LFB Duplicate RPD	3.3	%	0-25
	C19-C36 Aliphatics	Lab Fort Blank Amt.	40.0	mg/kg dry wt	
		Lab Fort Blk. Found	42.5	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.3	%	40-140
		Dup Lab Fort Bl Amt.	40.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	41.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.7	%	40-140
		Lab Fort Blank Range	3.5	units	
		Lab Fort Bl. Av. Rec	104.5	%	
		LFB Duplicate RPD	3.4	%	0-25

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/12/2008 Lims Bat # : LIMT-13241

QC Batch Number: GC/FID-20295

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-74660					
	2,2,4-Trimethylpentane	Lab Fort Blk. Found	4.840	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.203	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.755	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.932	%	70-130
		Lab Fort Blank Range	1.271	units	
		Lab Fort Bl. Av. Rec	71.567	%	
		LFB Duplicate RPD	1.776	%	0-25
	n-Decane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	5.528	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.457	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.539	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	82.627	%	70-130
		Lab Fort Blank Range	0.169	units	
		Lab Fort Bl. Av. Rec	82.542	%	
		LFB Duplicate RPD	0.205	%	0-25
	n-Butylcyclohexane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	5.073	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.677	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.051	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	75.338	%	70-130
		Lab Fort Blank Range	0.338	units	
		Lab Fort Bl. Av. Rec	75.508	%	
		LFB Duplicate RPD	0.448	%	0-25

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/12/2008 Lims Bat # : LIMT-13241

QC Batch Number: GC/PID-8502

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-74658					
	Naphthalene	Lab Fort Blank Range	4.237	units	
		Lab Fort Bl. Av. Rec	113.983	%	
		LFB Duplicate RPD	3.717	%	0-25
	Toluene	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.590	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.305	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	6.250	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.220	%	70-130
		Lab Fort Blank Range	5.084	units	
		Lab Fort Bl. Av. Rec	95.762	%	
		LFB Duplicate RPD	5.309	%	0-25
	o-Xylene	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.704	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.000	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	6.647	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.152	%	70-130
		Lab Fort Blank Range	0.847	units	
		Lab Fort Bl. Av. Rec	99.576	%	
		LFB Duplicate RPD	0.851	%	0-25
	m/p-Xylene	Lab Fort Blank Amt.	13.409	mg/kg dry wt	
		Lab Fort Blk. Found	12.613	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.067	%	70-130
		Dup Lab Fort Bl Amt.	13.409	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	12.443	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.796	%	70-130
		Lab Fort Blank Range	1.271	units	
		Lab Fort Bl. Av. Rec	93.432	%	
		LFB Duplicate RPD	1.360	%	0-25
	MTBE	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	5.795	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.440	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.312	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	79.237	%	70-130
		Lab Fort Blank Range	7.203	units	
		Lab Fort Bl. Av. Rec	82.838	%	
		LFB Duplicate RPD	8.695	%	0-25
	1,2,4-TrimethylBenzene	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.193	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.372	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

NOTES:

QC Batch No. : GC/FID-20295
Sample ID : 08B03740
Analysis : 2,5-Dibromotoluene (FID)

Surrogate recovery is outside control limits. Reanalysis is not required since sample is ND and bias is high.

QC Batch No. : GC/PID-8502
Sample ID : 08B03740
Analysis : 2,5-Dibromotoluene (PID)

Surrogate Recovery High, Reanalysis not required, Sample ND

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: LIMT-13241
Project Location: SPRINGFIELD, MA CHAPMAN VALVE	MADEP RTN[1]:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

08B 03739 – 08B03743

Sample Matrices: ☐ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH (X)	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH (X)	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☒ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☒ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No[1]
D	***VPH and EPH Methods only***: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☒ Yes ☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☒ Yes ☐ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☒ Yes ☐ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Sondra L. Slesinski	**Position: Quality Assurance Officer**
Printed Name: Sondra L. Slesinski	**Date:** 02/12/08

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

Limt # 13241

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: ASSOCIATED BUILDING WRECKERS
Telephone: (978) 532-1900
Address: 352 ALBANY ST
SPRINGFIELD, MA 01105
Project # 2070222A
Client PO # 2070222
Attention: FRED VANDERHOOF
Project Location: SPRINGFIELD MA CHAPMAN VALVE
Sampled By: LVR

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # : ~~mcfoalfs@wseinc.com~~
Email: MCCORMAB@WSEINC.COM
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes _____ proposal date
State Form Required? ☐ yes ☒ no

Field ID	Sample Description	Lab # 08B	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	EPH/TARGETS PAHs (5 I A)	VPH/TARGET VOCs (5 M V)	ANALYSIS REQUESTED										# of containers / **Preservation / ~Cont.Code
	WEST SIDE WALL	03739	2.4.08	0935		X	soil	L	X	X											
	NORTH SIDE WALL	03740	↓	0925		↓	↓	↓	↓	↓											
	EAST SIDE WALL	03741	↓	1240		↓	↓	↓	↓	↓											
	PIT BOTTOM	03742	↓	1250		↓	↓	↓	↓	↓											
	UST 4 EAST SW	03743	↓	1310		↓	↓	↓	↓	↓											

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

Client Comments:

5H 115

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)		Date/Time: 2.5.08
Received by: (signature)		Date/Time: 2/5/08 1315
Relinquished by: (signature)		Date/Time: 2/5/08 1710
Received by: (signature)	Temp 5°C	Date/Time: 2/5/08 17:10

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 5 DAY
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? MADEP MCP
S-1, GW-2/GW-3
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's:

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

**TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

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REPORT DATE 2/20/2008

ASSOCIATED BUILDING WRECKERS
352 ALBANY STREET
SPRINGFIELD, MA 01106
ATTN: FRED VANDERHOOF

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 2070222

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-13447
JOB NUMBER: 2070222A

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SPRINGFIELD MA, CHAPMAN

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
DUP-1	08B04630	SOIL	NOT SPECIFIED	eph - solid 04
DUP-1	08B04630	SOIL	NOT SPECIFIED	solids eph/vph
DUP-1	08B04630	SOIL	NOT SPECIFIED	vph - solid 04
EAST SIDE WALL	08B04627	SOIL	NOT SPECIFIED	eph - solid 04
EAST SIDE WALL	08B04627	SOIL	NOT SPECIFIED	solids eph/vph
EAST SIDE WALL	08B04627	SOIL	NOT SPECIFIED	vph - solid 04
PIT BOTTOM	08B04628	SOIL	NOT SPECIFIED	eph - solid 04
PIT BOTTOM	08B04628	SOIL	NOT SPECIFIED	solids eph/vph
PIT BOTTOM	08B04628	SOIL	NOT SPECIFIED	vph - solid 04
TRIP BLANK	08B04631	LIQUIDS	NOT SPECIFIED	vph - solid 04
WEST SIDE WALL	08B04629	SOIL	NOT SPECIFIED	eph - solid 04
WEST SIDE WALL	08B04629	SOIL	NOT SPECIFIED	solids eph/vph
WEST SIDE WALL	08B04629	SOIL	NOT SPECIFIED	vph - solid 04

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REPORT DATE 2/20/2008

ASSOCIATED BUILDING WRECKERS
352 ALBANY STREET
SPRINGFIELD, MA 01106
ATTN: FRED VANDERHOOF

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 2070222

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-13447
JOB NUMBER: 2070222A

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

MATRIX EFFECTS THAT LEAD TO LOW BIAS FOR REPORTED RESULT CANNOT BE ELIMINATED AND IS LIKELY. MATRIX SPIKE RECOVERY IS OUTSIDE CONTROL LIMITS FOR 2,2,4-TRIMETHYLBENZENE. LOW BIAS ANTICIPATED FOR ANY REPORTED RESULT FOR C5-C8 RANGE.

RESULTS FOR ALL ANALYTE-LIST COMPOUNDS WERE REPORTED FOR VPH UNLESS LISTED BELOW:
ALL REPORTED

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH) MADEP-EPH-04-1.1

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY THE EPH METHOD UNLESS LISTED BELOW: NONE EXCEEDED

ALL EPH SAMPLES WERE RECEIVED PRESERVED PROPERLY (WATER SAMPLES pH <2) IN THE PROPER CONTAINERS AT 4° C. +/- 2° AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS SPECIFIED BELOW:
ALL PROPERLY PRESERVED

SOLID SAMPLES, IF ANY, IN THE BATCH WERE EXTRACTED BY THE FOLLOWING METHOD:
MICROWAVE: SW846 3546

SPE CARTRIDGE CONTAMINATION WITH NON-PETROLEUM COMPOUNDS, IF PRESENT, IS VERIFIED BY GC/MS IN EACH METHOD BLANK PER EXTRACTION BATCH AND EXCLUDED FROM C11-C22 AROMATIC RANGE FRACTION IN ALL SAMPLES IN THE BATCH. THE EPH METHOD BLANK WAS FOUND NOT TO BE CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMITS EXCEPT WHERE LISTED BELOW:
NO CONTAMINATION NOTED

ALL EPH SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW:
NO DILUTIONS WERE PERFORMED

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR EPH METHOD EXCEPT AS LISTED BELOW: ALL STANDARDS MET

LABORATORY CONTROL SAMPLE RECOVERIES, LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES, AND LCS DUPLICATE RPDs FOR ALL EPH TARGET COMPOUNDS AND RANGES, INCLUDING NAPHTHALENE AND 2-METHYLNAPHTHALENE BREAKTHROUGH INTO THE ALIPHATIC FRACTION WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

ALL EPH SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

EPH MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPD, IF REQUESTED IN THIS BATCH WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: MS AND MSD REQUESTED AND PERFORMED ON SAMPLE 08B04629.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033 | AIHA ELLAP (LEAD) 100033 | NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100 | NEW HAMPSHIRE NELAP 2516 | NEW JERSEY NELAP NJ MA007 (AIR)

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FRED VANDERHOOF
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352 ALBANY STREET
SPRINGFIELD, MA 01106

2/20/2008

Purchase Order No.: 2070222

Project Location: SPRINGFIELD MA, CHAPMAN
Date Received: 2/13/2008
Field Sample # : **DUP-1**

LIMS-BAT #: LIMT-13447
Job Number: 2070222A

Sample ID : **08B04630**

Sampled : 2/13/2008
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	02/19/08	CJM	36.5			
C19-C36 Aliphatics	mg/kg dry wt	ND	02/19/08	CJM	36.5			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	66.5	02/19/08	CJM	36.5			
C11-C22 Aromatics	mg/kg dry wt	ND	02/19/08	CJM	36.5			
Acenaphthene	mg/kg dry wt	0.4	02/19/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	02/19/08	CJM	0.2			
Anthracene	mg/kg dry wt	0.5	02/19/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	1.4	02/19/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	1.3	02/19/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	1.8	02/19/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	0.8	02/19/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	0.7	02/19/08	CJM	0.2			
Chrysene	mg/kg dry wt	1.7	02/19/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	02/19/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	3.6	02/19/08	CJM	0.2			
Fluorene	mg/kg dry wt	0.3	02/19/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.7	02/19/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	02/19/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	02/19/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	3.1	02/19/08	CJM	0.2			
Pyrene	mg/kg dry wt	3.4	02/19/08	CJM	0.2			
Date Extracted EPH Solid		2/14/2008	02/19/08	CJM				

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured
* = See end of report for comments and notes applying to this sample

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352 ALBANY STREET
SPRINGFIELD, MA 01106

2/20/2008

Purchase Order No.: 2070222

Project Location: SPRINGFIELD MA, CHAPMAN
Date Received: 2/13/2008
Field Sample # : EAST SIDE WALL

LIMS-BAT #: LIMT-13447
Job Number: 2070222A

Sample ID : 08B04627

Sampled : 2/13/2008
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	02/18/08	CJM	34.4			
C19-C36 Aliphatics	mg/kg dry wt	ND	02/18/08	CJM	34.4			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	02/18/08	CJM	34.4			
C11-C22 Aromatics	mg/kg dry wt	ND	02/18/08	CJM	34.4			
Acenaphthene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Date Extracted EPH Solid		2/14/2008	02/18/08	CJM				

RL = Reporting Limit
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FRED VANDERHOOF
ASSOCIATED BUILDING WRECKERS
352 ALBANY STREET
SPRINGFIELD, MA 01106

Purchase Order No.: 2070222

Project Location: SPRINGFIELD MA, CHAPMAN
Date Received: 2/13/2008
Field Sample # : **PIT BOTTOM**
Sample ID : **08B04628**

Sampled : 2/13/2008
NOT SPECIFIED

LIMS-BAT #: LIMT-13447
Job Number: 2070222A

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	02/18/08	CJM	36.9			
C19-C36 Aliphatics	mg/kg dry wt	64.8	02/18/08	CJM	36.9			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	76.2	02/18/08	CJM	36.9			
C11-C22 Aromatics	mg/kg dry wt	42.5	02/18/08	CJM	36.9			
Acenaphthene	mg/kg dry wt	0.6	02/18/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Anthracene	mg/kg dry wt	1.1	02/18/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	2.5	02/18/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	2.2	02/18/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	3.2	02/18/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	1.2	02/18/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	1.1	02/18/08	CJM	0.2			
Chrysene	mg/kg dry wt	2.9	02/18/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	6.1	02/18/08	CJM	0.2			
Fluorene	mg/kg dry wt	0.5	02/18/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.3	02/18/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	02/18/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	5.1	02/18/08	CJM	0.2			
Pyrene	mg/kg dry wt	5.7	02/18/08	CJM	0.2			
Date Extracted EPH Solid		2/14/2008	02/18/08	CJM				

RL = Reporting Limit

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NM = Not Measured

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352 ALBANY STREET
SPRINGFIELD, MA 01106

2/20/2008

Purchase Order No.: 2070222

Project Location: SPRINGFIELD MA, CHAPMAN
Date Received: 2/13/2008
Field Sample # : WEST SIDE WALL

LIMS-BAT #: LIMT-13447
Job Number: 2070222A

Sample ID : 08B04629

Sampled : 2/13/2008
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	02/19/08	CJM	32.8			
C19-C36 Aliphatics	mg/kg dry wt	ND	02/19/08	CJM	32.8			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	02/19/08	CJM	32.8			
C11-C22 Aromatics	mg/kg dry wt	ND	02/19/08	CJM	32.8			
Acenaphthene	mg/kg dry wt	0.3	02/19/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	02/19/08	CJM	0.2			
Anthracene	mg/kg dry wt	0.4	02/19/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	0.8	02/19/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	0.7	02/19/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	1.0	02/19/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/19/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	0.4	02/19/08	CJM	0.2			
Chrysene	mg/kg dry wt	0.9	02/19/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	02/19/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	1.9	02/19/08	CJM	0.2			
Fluorene	mg/kg dry wt	0.2	02/19/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/19/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	02/19/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	02/19/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	1.9	02/19/08	CJM	0.2			
Pyrene	mg/kg dry wt	1.8	02/19/08	CJM	0.2			
Date Extracted EPH Solid		2/14/2008	02/19/08	CJM				

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NM = Not Measured

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* = See end of report for comments and notes applying to this sample

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FRED VANDERHOOF
ASSOCIATED BUILDING WRECKERS
352 ALBANY STREET
SPRINGFIELD, MA 01106

Purchase Order No.: 2070222

Project Location: SPRINGFIELD MA, CHAPMAN
Date Received: 2/13/2008

LIMS-BAT #: LIMT-13447
Job Number: 2070222A

Field Sample # : DUP-1

Sample ID : 08B04630 Sampled : 2/13/2008
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	82.2	02/15/08	MAM				

Field Sample # : EAST SIDE WALL

Sample ID : 08B04627 Sampled : 2/13/2008
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	87.3	02/15/08	MAM				

Field Sample # : PIT BOTTOM

Sample ID : 08B04628 Sampled : 2/13/2008
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	81.4	02/15/08	MAM				

Field Sample # : WEST SIDE WALL

Sample ID : 08B04629 Sampled : 2/13/2008
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.5	02/15/08	MAM				

Analytical Method:
SM 2540G
PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

FRED VANDERHOOF
ASSOCIATED BUILDING WRECKERS
352 ALBANY STREET
SPRINGFIELD, MA 01106

2/20/2008

Purchase Order No.: 2070222

Project Location: SPRINGFIELD MA, CHAPMAN
Date Received: 2/13/2008
Field Sample # : EAST SIDE WALL
Sample ID : 08B04627

Sampled : 2/13/2008
NOT SPECIFIED

LIMS-BAT #: LIMT-13447
Job Number: 2070222A

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	02/15/08	EH	19.8			
C5-C8 Aliphatics	mg/kg dry wt	ND	02/15/08	EH	19.8			
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	02/15/08	EH	13.2			
C9-C12 Aliphatics	mg/kg dry wt	ND	02/15/08	EH	13.2			
C9-C10 Aromatics	mg/kg dry wt	ND	02/15/08	EH	13.2			
Benzene	mg/kg dry wt	ND	02/15/08	EH	0.066			
Ethylbenzene	mg/kg dry wt	ND	02/15/08	EH	0.066			
MTBE	mg/kg dry wt	ND	02/15/08	EH	0.066			
Naphthalene	mg/kg dry wt	ND	02/15/08	EH	0.658			
Toluene	mg/kg dry wt	ND	02/15/08	EH	0.066			
m/p-Xylene	mg/kg dry wt	ND	02/15/08	EH	0.132			
o-Xylene	mg/kg dry wt	ND	02/15/08	EH	0.066			

Analytical Method:
MADEP-VPH-04-1.1
SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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SPRINGFIELD, MA 01106

Purchase Order No.: 2070222

Project Location: SPRINGFIELD MA, CHAPMAN
Date Received: 2/13/2008
Field Sample # : TRIP BLANK

LIMS-BAT #: LIMT-13447
Job Number: 2070222A

Sample ID : 08B04631

Sampled : 2/13/2008
NOT SPECIFIED

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	02/15/08	EH	16.0			
C5-C8 Aliphatics	mg/kg dry wt	ND	02/15/08	EH	16.0			
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	02/15/08	EH	10.7			
C9-C12 Aliphatics	mg/kg dry wt	ND	02/15/08	EH	10.7			
C9-C10 Aromatics	mg/kg dry wt	ND	02/15/08	EH	10.7			
Benzene	mg/kg dry wt	ND	02/15/08	EH	0.054			
Ethylbenzene	mg/kg dry wt	ND	02/15/08	EH	0.054			
MTBE	mg/kg dry wt	ND	02/15/08	EH	0.054			
Naphthalene	mg/kg dry wt	ND	02/15/08	EH	0.532			
Toluene	mg/kg dry wt	ND	02/15/08	EH	0.054			
m/p-Xylene	mg/kg dry wt	ND	02/15/08	EH	0.107			
o-Xylene	mg/kg dry wt	ND	02/15/08	EH	0.054			

Analytical Method:
MADEP-VPH-04-1.1
SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED.
C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

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Purchase Order No.: 2070222

Project Location: SPRINGFIELD MA, CHAPMAN
Date Received: 2/13/2008

LIMS-BAT #: LIMT-13447
Job Number: 2070222A

The following notes were attached to the reported analysis :

Sample ID: * 08B04629
Analysis: MTBE

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE SAMPLE RESULT IS "NOT DETECTED" AND RECOVERY BIAS IS ON THE HIGH SIDE FOR THIS COMPOUND.

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/20/2008 Lims Bat # : LIMT-13447

QC Batch Number: GC/FID-20380

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-75005					
	Nonane	Dup Lab Fort Bl. Fnd	4.721	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.423	%	30-130
		Lab Fort Blank Range	5.677	units	
		Lab Fort Bl. Av. Rec	73.262	%	
		LFB Duplicate RPD	7.750	%	0-25
	Pentane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	5.852	mg/kg dry wt	
		Lab Fort Blk. % Rec.	87.288	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	6.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.830	%	70-130
		Lab Fort Blank Range	2.542	units	
		Lab Fort Bl. Av. Rec	88.559	%	
		LFB Duplicate RPD	2.870	%	0-25
	2-Methylpentane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	5.352	mg/kg dry wt	
		Lab Fort Blk. % Rec.	79.830	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.051	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	75.338	%	70-130
		Lab Fort Blank Range	4.491	units	
		Lab Fort Bl. Av. Rec	77.584	%	
		LFB Duplicate RPD	5.789	%	0-25
	2,2,4-Trimethylpentane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	4.653	mg/kg dry wt	
		Lab Fort Blk. % Rec.	69.406	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.789	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	56.525	%	70-130
		Lab Fort Blank Range	12.881	units	
		Lab Fort Bl. Av. Rec	62.966	%	
		LFB Duplicate RPD	20.457	%	0-25
	n-Decane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	5.295	mg/kg dry wt	
		Lab Fort Blk. % Rec.	78.983	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.164	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	77.033	%	70-130
		Lab Fort Blank Range	1.949	units	
		Lab Fort Bl. Av. Rec	78.008	%	
		LFB Duplicate RPD	2.498	%	0-25
	n-Butylcyclohexane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	4.937	mg/kg dry wt	

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/20/2008 Lims Bat # : LIMT-13447

QC Batch Number: GC/FID-20398

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B04627					
	2-Fluorobiphenyl	Surrogate Recovery	102.8	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	98.1	%	40-140
	Chlorooctadecane	Sur. Recovery	62.0	%	40-140
	Terphenyl	Sur. Recovery	77.9	%	40-140
08B04628					
	2-Fluorobiphenyl	Surrogate Recovery	99.7	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	94.8	%	40-140
	Chlorooctadecane	Sur. Recovery	50.0	%	40-140
	Terphenyl	Sur. Recovery	51.3	%	40-140
08B04629					
	Naphthalene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	5.4	mg/kg dry wt	
		MS Amt Measured	3.6	mg/kg dry wt	
		Matrix Spike % Rec.	66.7	%	40-140
		MSD Amount Added	5.4	mg/kg dry wt	
		MSD Amt Measured	3.7	mg/kg dry wt	
		MSD % Recovery	69.1	%	40-140
		MSD Range	2.3	units	
		MS Duplicate RPD	3.3	%	
	Acenaphthene	Sample Amount	0.2	mg/kg dry wt	
		Matrix Spk Amt Added	5.4	mg/kg dry wt	
		MS Amt Measured	4.4	mg/kg dry wt	
		Matrix Spike % Rec.	77.1	%	40-140
		MSD Amount Added	5.4	mg/kg dry wt	
		MSD Amt Measured	4.6	mg/kg dry wt	
		MSD % Recovery	79.7	%	40-140
		MSD Range	2.6	units	
		MS Duplicate RPD	3.1	%	
	Acenaphthylene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	5.4	mg/kg dry wt	
		MS Amt Measured	4.2	mg/kg dry wt	
		Matrix Spike % Rec.	77.8	%	40-140
		MSD Amount Added	5.4	mg/kg dry wt	
		MSD Amt Measured	4.4	mg/kg dry wt	
		MSD % Recovery	80.7	%	40-140
		MSD Range	2.8	units	
		MS Duplicate RPD	3.5	%	
	Anthracene	Sample Amount	0.4	mg/kg dry wt	
		Matrix Spk Amt Added	5.4	mg/kg dry wt	
		MS Amt Measured	4.6	mg/kg dry wt	
		Matrix Spike % Rec.	76.7	%	40-140
		MSD Amount Added	5.4	mg/kg dry wt	
		MSD Amt Measured	4.7	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/20/2008 Lims Bat # : LIMT-13447

QC Batch Number: GC/FID-20398

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B04629					
	Chrysene	MSD Amount Added	5.4	mg/kg dry wt	
		MSD Amt Measured	4.9	mg/kg dry wt	
		MSD % Recovery	74.9	%	40-140
		MSD Range	1.4	units	
		MS Duplicate RPD	1.5	%	
	Dibenzo(a,h)anthracene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	5.4	mg/kg dry wt	
		MS Amt Measured	4.6	mg/kg dry wt	
		Matrix Spike % Rec.	85.2	%	40-140
		MSD Amount Added	5.4	mg/kg dry wt	
		MSD Amt Measured	4.7	mg/kg dry wt	
		MSD % Recovery	87.5	%	40-140
		MSD Range	2.3	units	
		MS Duplicate RPD	2.6	%	
	Fluoranthene	Sample Amount	1.8	mg/kg dry wt	
		Matrix Spk Amt Added	5.4	mg/kg dry wt	
		MS Amt Measured	4.6	mg/kg dry wt	
		Matrix Spike % Rec.	51.1	%	40-140
		MSD Amount Added	5.4	mg/kg dry wt	
		MSD Amt Measured	4.7	mg/kg dry wt	
		MSD % Recovery	52.6	%	40-140
		MSD Range	1.4	units	
		MS Duplicate RPD	1.7	%	
	Fluorene	Sample Amount	0.2	mg/kg dry wt	
		Matrix Spk Amt Added	5.4	mg/kg dry wt	
		MS Amt Measured	4.3	mg/kg dry wt	
		Matrix Spike % Rec.	76.3	%	40-140
		MSD Amount Added	5.4	mg/kg dry wt	
		MSD Amt Measured	4.5	mg/kg dry wt	
		MSD % Recovery	78.6	%	40-140
		MSD Range	2.3	units	
		MS Duplicate RPD	2.8	%	
	Indeno(1,2,3-cd)pyrene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	5.4	mg/kg dry wt	
		MS Amt Measured	4.4	mg/kg dry wt	
		Matrix Spike % Rec.	80.7	%	40-140
		MSD Amount Added	5.4	mg/kg dry wt	
		MSD Amt Measured	4.4	mg/kg dry wt	
		MSD % Recovery	82.2	%	40-140
		MSD Range	1.5	units	
		MS Duplicate RPD	1.9	%	
	2-Methylnaphthalene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	5.4	mg/kg dry wt	

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/20/2008 Lims Bat # : LIMT-13447

QC Batch Number: GC/FID-20398

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B04629					
	n-Nonane	MSD Range	0.7	units	
		MS Duplicate RPD	1.7	%	
	Naphthalene Aliphatic Fraction	MS Amt Measured	0.0	mg/kg dry wt	
		MSD Amt Measured	0.0	mg/kg dry wt	
	2-Methylnaphthalene Aliphatic Fraction	MS Amt Measured	0.0	mg/kg dry wt	
		MSD Amt Measured	0.0	mg/kg dry wt	
	Unadjusted C11-C22 Aromatics	Sample Amount	<32.8	mg/kg dry wt	
		Matrix Spk Amt Added	92.8	mg/kg dry wt	
		MS Amt Measured	73.9	mg/kg dry wt	
		Matrix Spike % Rec.	79.6	%	40-140
		MSD Amount Added	92.8	mg/kg dry wt	
		MSD Amt Measured	74.5	mg/kg dry wt	
		MSD % Recovery	80.2	%	40-140
		MSD Range	0.6	units	
		MS Duplicate RPD	0.7	%	
	Chlorooctadecane	Sur. Recovery	65.2	%	40-140
	C9-C18 Aliphatics	Sample Amount	<32.8	mg/kg dry wt	
		Matrix Spk Amt Added	32.7	mg/kg dry wt	
		MS Amt Measured	24.0	mg/kg dry wt	
		Matrix Spike % Rec.	73.3	%	40-140
		MSD Amount Added	32.7	mg/kg dry wt	
		MSD Amt Measured	23.8	mg/kg dry wt	
		MSD % Recovery	72.7	%	40-140
		MSD Range	0.6	units	
		MS Duplicate RPD	0.8	%	
	C19-C36 Aliphatics	Sample Amount	<32.8	mg/kg dry wt	
		Matrix Spk Amt Added	43.7	mg/kg dry wt	
		MS Amt Measured	41.1	mg/kg dry wt	
		Matrix Spike % Rec.	94.0	%	40-140
		MSD Amount Added	43.7	mg/kg dry wt	
		MSD Amt Measured	38.8	mg/kg dry wt	
		MSD % Recovery	88.8	%	40-140
		MSD Range	5.1	units	
		MS Duplicate RPD	5.6	%	
	Terphenyl	Sur. Recovery	86.4	%	40-140
08B04630					
	2-Fluorobiphenyl	Surrogate Recovery	98.0	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	92.6	%	40-140
	Chlorooctadecane	Sur. Recovery	51.1	%	40-140
	Terphenyl	Sur. Recovery	67.5	%	40-140
BLANK-113619					
	Naphthalene	Blank	<0.1	mg/kg dry wt	
	Acenaphthene	Blank	<0.1	mg/kg dry wt	

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Method Blanks

Report Date: 2/20/2008 Lims Bat # : LIMT-13447

QC Batch Number: GC/FID-20398

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-75077					
	Acenaphthylene	Lab Fort Blk. % Rec.	89.8	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.8	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.0	%	40-140
		Lab Fort Blank Range	7.1	units	
		Lab Fort Bl. Av. Rec	93.4	%	
		LFB Duplicate RPD	7.7	%	0-25
	Anthracene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.8	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.1	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.7	%	40-140
		Lab Fort Blank Range	8.8	units	
		Lab Fort Bl. Av. Rec	98.2	%	
		LFB Duplicate RPD	9.0	%	0-25
	Benzo(a)anthracene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.9	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.2	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.9	%	40-140
		Lab Fort Blank Range	11.0	units	
		Lab Fort Bl. Av. Rec	99.4	%	
		LFB Duplicate RPD	11.0	%	0-25
	Benzo(a)pyrene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.6	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.0	%	40-140
		Lab Fort Blank Range	11.3	units	
		Lab Fort Bl. Av. Rec	100.3	%	
		LFB Duplicate RPD	11.3	%	0-25
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.1	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.1	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.6	%	40-140
		Lab Fort Blank Range	10.5	units	
		Lab Fort Bl. Av. Rec	97.3	%	
		LFB Duplicate RPD	10.8	%	0-25

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Report Date: 2/20/2008 Lims Bat # : LIMT-13447

QC Batch Number: GC/FID-20398

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-75077					
	Fluorene	Lab Fort Bl. Av. Rec	94.5	%	
		LFB Duplicate RPD	7.9	%	0-25
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.4	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.6	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.9	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.4	%	40-140
		Lab Fort Blank Range	10.8	units	
		Lab Fort Bl. Av. Rec	94.0	%	
		LFB Duplicate RPD	11.5	%	0-25
	2-Methylnaphthalene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.2	mg/kg dry wt	
		Lab Fort Blk. % Rec.	84.6	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.5	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.6	%	40-140
		Lab Fort Blank Range	6.9	units	
		Lab Fort Bl. Av. Rec	88.1	%	
		LFB Duplicate RPD	7.9	%	0-25
	Phenanthrene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.4	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.7	%	40-140
		Lab Fort Blank Range	8.2	units	
		Lab Fort Bl. Av. Rec	96.6	%	
		LFB Duplicate RPD	8.5	%	0-25
	Pyrene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.8	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.5	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.6	%	40-140
		Lab Fort Blank Range	10.1	units	
		Lab Fort Bl. Av. Rec	101.6	%	
		LFB Duplicate RPD	9.9	%	0-25
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.9	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.3	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/20/2008 Lims Bat # : LIMT-13447

QC Batch Number: GC/FID-20398

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-75077					
	C9-C18 Aliphatics	Dup Lab Fort Bl %Rec	94.2	%	40-140
		Lab Fort Blank Range	4.8	units	
		Lab Fort Bl. Av. Rec	91.8	%	
		LFB Duplicate RPD	5.2	%	0-25
	C19-C36 Aliphatics	Lab Fort Blank Amt.	40.0	mg/kg dry wt	
		Lab Fort Blk. Found	45.4	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.6	%	40-140
		Dup Lab Fort Bl Amt.	40.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	45.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	113.2	%	40-140
		Lab Fort Blank Range	0.4	units	
		Lab Fort Bl. Av. Rec	113.4	%	
		LFB Duplicate RPD	0.3	%	0-25

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/20/2008 Lims Bat # : LIMT-13447

QC Batch Number: GC/PID-8522

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-113544					
	Ethylbenzene	Blank	<0.054	mg/kg dry wt	
	Naphthalene	Blank	<0.532	mg/kg dry wt	
	Toluene	Blank	<0.054	mg/kg dry wt	
	o-Xylene	Blank	<0.054	mg/kg dry wt	
	m/p-Xylene	Blank	<0.107	mg/kg dry wt	
	C9-C10 Aromatics	Blank	<10.7	mg/kg dry wt	
	MTBE	Blank	<0.054	mg/kg dry wt	
LFBLANK-75002					
	Benzene	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.761	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.847	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	6.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.830	%	70-130
		Lab Fort Blank Range	11.016	units	
		Lab Fort Bl. Av. Rec	95.338	%	
		LFB Duplicate RPD	11.555	%	0-25
	Ethylbenzene	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.704	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.000	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	6.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.830	%	70-130
		Lab Fort Blank Range	10.169	units	
		Lab Fort Bl. Av. Rec	94.915	%	
		LFB Duplicate RPD	10.714	%	0-25
	Naphthalene	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	7.670	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.406	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	7.670	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	114.406	%	70-130
		Lab Fort Blank Range	0.000	units	
		Lab Fort Bl. Av. Rec	114.406	%	
		LFB Duplicate RPD	0.000	%	0-25
	Toluene	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.931	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.389	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	6.136	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.525	%	70-130
		Lab Fort Blank Range	11.864	units	
		Lab Fort Bl. Av. Rec	97.457	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

NOTES:

QC Batch No. : GC/FID-20380
Sample ID : 08B04629
Analysis : 2,2,4-Trimethylpentane

MATRIX SPIKE RECOVERY OUTSIDE OF CONTROL LIMITS. POSSIBILITY OF SAMPLE MATRIX EFFECTS THAT LEAD TO A LOW BIAS FOR REPORTED RESULT CANNOT BE ELIMINATED.

QC Batch No. : GC/PID-8522
Sample ID : 08B04629
Analysis : MTBE

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE SAMPLE RESULT IS "NOT DETECTED" AND RECOVERY BIAS IS ON THE HIGH SIDE FOR THIS COMPOUND.

QC Batch No. : GC/FID-20380
Sample ID : 08B04629
Analysis : n-Butylcyclohexane

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. ANALYSIS IS IN CONTROL BASED ON LABORATORY FORTIFIED BLANK RECOVERY. POSSIBILITY OF SAMPLE MATRIX EFFECTS THAT LEAD TO LOW BIAS FOR REPORTED RESULT CANNOT BE ELIMINATED.

QC Batch No. : GC/FID-20380
Sample ID : 08B04629
Analysis : n-Decane

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. ANALYSIS IS IN CONTROL BASED ON LABORATORY FORTIFIED BLANK RECOVERY. POSSIBILITY OF SAMPLE MATRIX EFFECTS THAT LEAD TO LOW BIAS FOR REPORTED RESULT CANNOT BE ELIMINATED.

QC Batch No. : GC/FID-20380
Sample ID : LFBLANK-75005
Analysis : 2,2,4-Trimethylpentane

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: L1MT-13447
Project Location: SPRINGFIELD, MA CHAPMAN	MADEP RTN[1]:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

08B04627 - 08B04631

Sample Matrices: ☐ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH (X)	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH (X)	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☒ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☒ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No[1]
D	***VPH and EPH Methods only***: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☒ Yes ☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☒ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☒ Yes ☐ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Edward Denson	Position: Technical Director
Printed Name: Edward Denson	Date: 2/20/08

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www.contestlabs.com

CHAIN OF CUSTODY RECORD

Limt-13447

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: ~~BUF~~ ASSOCIATED BUILDING WRECKERS
Telephone: (978) 532-1900
Address: 352 ALBANY ST
SPRINGFIELD, MA 01105
Project # 2070222A
Client PO # 2070222
Attention: FRED VANDERHOOF
Project Location: SPRINGFIELD MA CHAPMAN VALVE
Sampled By: LVR

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: ~~mccarmabe@wseinc.com~~ mccarmabe@wseinc.com
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes _____ proposal date

State Form Required? ☐ yes ☒ no

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	VPH w/ TARGET VOCs	EPH w/ TARGET PAHs										# of containers	**Preservation	~Cont.Code
									6	5												
									M	H												
									V	A												
	EAST SIDE WALL	04627	2.13.08	1215		X	SOIL	L/C	↓	↓												
	PIT BOTTOM	04628	↓	1230		↓	↓	↓	↓	↓												
	WEST SIDE WALL	04629	↓	1245		↓	↓	↓	↓	↓												
	DUP-1	04630	↓	0001		↓	↓	↓	↓	↓												
	TRIP BLANK	04631	—	—					↓													

ANALYSIS REQUESTED

~Cont. Code: A=amber glass, G=glass, P=plastic, ST=sterile, V=vial, S=summa can, T=tedlar bag, O=Other

Client Comments: PLS RUN MATRIX SPIKE FRM WEST SIDE WALL

GB 115

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [signature] 2.13.08	Date/Time: 14:40
Received by: (signature) [signature] Temp 6 C	Date/Time: 2/13/08 14:40
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 5 DAY
RUSH * ☐ *24-Hr ☐ *48-Hr ☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? MCP S-1, GW-2/GW-3
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's:

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

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REPORT DATE 3/5/2008

ASSOCIATED BUILDING WRECKERS
352 ALBANY STREET
SPRINGFIELD, MA 01106
ATTN: FRED VANDERHOOF

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 897660

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-13766
JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 225 GOODWIN STREET

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
#1 SOUTH	08B06230	SOIL	STOCKPILE SAMPLE (SOUTH)	8082 drywt
#1 SOUTH	08B06230	SOIL	STOCKPILE SAMPLE (SOUTH)	8260 dry weight
#1 SOUTH	08B06230	SOIL	STOCKPILE SAMPLE (SOUTH)	as (mg/kg)dw icp
#1 SOUTH	08B06230	SOIL	STOCKPILE SAMPLE (SOUTH)	cd (mg/kg)dw icp
#1 SOUTH	08B06230	SOIL	STOCKPILE SAMPLE (SOUTH)	cr (mg/kg)dw icp
#1 SOUTH	08B06230	SOIL	STOCKPILE SAMPLE (SOUTH)	flashpoint
#1 SOUTH	08B06230	SOIL	STOCKPILE SAMPLE (SOUTH)	hg (mg/kg) dw
#1 SOUTH	08B06230	SOIL	STOCKPILE SAMPLE (SOUTH)	pb (mg/kg)dw icp
#1 SOUTH	08B06230	SOIL	STOCKPILE SAMPLE (SOUTH)	ph solids
#1 SOUTH	08B06230	SOIL	STOCKPILE SAMPLE (SOUTH)	reactivity
#1 SOUTH	08B06230	SOIL	STOCKPILE SAMPLE (SOUTH)	solids (percent)
#1 SOUTH	08B06230	SOIL	STOCKPILE SAMPLE (SOUTH)	tph gc dry 8100m
#2 MID	08B06231	SOIL	STOCKPILE SAMPLE (MIDDLE)	8082 drywt
#2 MID	08B06231	SOIL	STOCKPILE SAMPLE (MIDDLE)	8260 dry weight
#2 MID	08B06231	SOIL	STOCKPILE SAMPLE (MIDDLE)	as (mg/kg)dw icp
#2 MID	08B06231	SOIL	STOCKPILE SAMPLE (MIDDLE)	cd (mg/kg)dw icp
#2 MID	08B06231	SOIL	STOCKPILE SAMPLE (MIDDLE)	cr (mg/kg)dw icp
#2 MID	08B06231	SOIL	STOCKPILE SAMPLE (MIDDLE)	flashpoint
#2 MID	08B06231	SOIL	STOCKPILE SAMPLE (MIDDLE)	hg (mg/kg) dw
#2 MID	08B06231	SOIL	STOCKPILE SAMPLE (MIDDLE)	pb (mg/kg)dw icp
#2 MID	08B06231	SOIL	STOCKPILE SAMPLE (MIDDLE)	ph solids
#2 MID	08B06231	SOIL	STOCKPILE SAMPLE (MIDDLE)	reactivity
#2 MID	08B06231	SOIL	STOCKPILE SAMPLE (MIDDLE)	solids (percent)
#2 MID	08B06231	SOIL	STOCKPILE SAMPLE (MIDDLE)	tph gc dry 8100m
#3 NORTH	08B06232	SOIL	STOCKPILE SAMPLE (NORTH)	8082 drywt
#3 NORTH	08B06232	SOIL	STOCKPILE SAMPLE (NORTH)	8260 dry weight
#3 NORTH	08B06232	SOIL	STOCKPILE SAMPLE (NORTH)	as (mg/kg)dw icp
#3 NORTH	08B06232	SOIL	STOCKPILE SAMPLE (NORTH)	cd (mg/kg)dw icp
#3 NORTH	08B06232	SOIL	STOCKPILE SAMPLE (NORTH)	cr (mg/kg)dw icp
#3 NORTH	08B06232	SOIL	STOCKPILE SAMPLE (NORTH)	flashpoint
#3 NORTH	08B06232	SOIL	STOCKPILE SAMPLE (NORTH)	hg (mg/kg) dw
#3 NORTH	08B06232	SOIL	STOCKPILE SAMPLE (NORTH)	pb (mg/kg)dw icp
#3 NORTH	08B06232	SOIL	STOCKPILE SAMPLE (NORTH)	ph solids
#3 NORTH	08B06232	SOIL	STOCKPILE SAMPLE (NORTH)	reactivity
#3 NORTH	08B06232	SOIL	STOCKPILE SAMPLE (NORTH)	solids (percent)
#3 NORTH	08B06232	SOIL	STOCKPILE SAMPLE (NORTH)	tph gc dry 8100m

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FRED VANDERHOOF
ASSOCIATED BUILDING WRECKERS
352 ALBANY STREET
SPRINGFIELD, MA 01106

3/5/2008

Purchase Order No.: 897660

Project Location: 225 GOODWIN STREET
Date Received: 2/26/2008
Field Sample # : #1 SOUTH

LIMS-BAT #: LIMT-13766
Job Number: -

Sample ID : 08B06230

Sampled : 2/26/2008
STOCKPILE SAMPLE (SOUTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
PCB 1016	mg/kg dry wt	ND	02/29/08	JB	0.111			
PCB-1221	mg/kg dry wt	ND	02/29/08	JB	0.111			
PCB-1232	mg/kg dry wt	ND	02/29/08	JB	0.111			
PCB-1242	mg/kg dry wt	ND	02/29/08	JB	0.111			
PCB-1248	mg/kg dry wt	ND	02/29/08	JB	0.111			
PCB-1254	mg/kg dry wt	ND	02/29/08	JB	0.111			
PCB-1260	mg/kg dry wt	ND	02/29/08	JB	0.111			
PCB 1262	mg/kg dry wt	ND	02/29/08	JB	0.111			
PCB 1268	mg/kg dry wt	ND	02/29/08	JB	0.111			
Extraction Date PCBs		2/27/2008	02/29/08	JB				

Field Sample # : #2 MID

Sample ID : 08B06231

Sampled : 2/26/2008
STOCKPILE SAMPLE (MIDDLE)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
PCB 1016	mg/kg dry wt	ND	02/29/08	JB	0.114			
PCB-1221	mg/kg dry wt	ND	02/29/08	JB	0.114			
PCB-1232	mg/kg dry wt	ND	02/29/08	JB	0.114			
PCB-1242	mg/kg dry wt	ND	02/29/08	JB	0.114			
PCB-1248	mg/kg dry wt	ND	02/29/08	JB	0.114			
PCB-1254	mg/kg dry wt	ND	02/29/08	JB	0.114			
PCB-1260	mg/kg dry wt	ND	02/29/08	JB	0.114			
PCB 1262	mg/kg dry wt	ND	02/29/08	JB	0.114			
PCB 1268	mg/kg dry wt	ND	02/29/08	JB	0.114			
Extraction Date PCBs		2/27/2008	02/29/08	JB				

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured
* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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FRED VANDERHOOF
ASSOCIATED BUILDING WRECKERS
352 ALBANY STREET
SPRINGFIELD, MA 01106

Purchase Order No.: 897660

Project Location: 225 GOODWIN STREET
Date Received: 2/26/2008
Field Sample # : #1 SOUTH
Sample ID : 08B06230

LIMS-BAT #: LIMT-13766
Job Number: -

Sampled : 2/26/2008
STOCKPILE SAMPLE (SOUTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	02/27/08	MFF	0.12			
Acrylonitrile	mg/kg dry wt	ND	02/27/08	MFF	0.024			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/27/08	MFF	0.002			
Benzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Bromobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Bromochloromethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Bromodichloromethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Bromoform	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Bromomethane	mg/kg dry wt	ND	02/27/08	MFF	0.012			
2-Butanone (MEK)	mg/kg dry wt	ND	02/27/08	MFF	0.048			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/27/08	MFF	0.048			
n-Butylbenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
sec-Butylbenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
tert-Butylbenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/27/08	MFF	0.002			
Carbon Disulfide	mg/kg dry wt	ND	02/27/08	MFF	0.008			
Carbon Tetrachloride	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Chlorobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Chlorodibromomethane	mg/kg dry wt	ND	02/27/08	MFF	0.002			
Chloroethane	mg/kg dry wt	ND	02/27/08	MFF	0.024			
Chloroform	mg/kg dry wt	ND	02/27/08	MFF	0.005			
Chloromethane	mg/kg dry wt	ND	02/27/08	MFF	0.012			
2-Chlorotoluene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
4-Chlorotoluene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,2-Dibromoethane	mg/kg dry wt	ND	02/27/08	MFF	0.002			
Dibromomethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured
* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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FRED VANDERHOOF
ASSOCIATED BUILDING WRECKERS
352 ALBANY STREET
SPRINGFIELD, MA 01106

Purchase Order No.: 897660

Project Location: 225 GOODWIN STREET
Date Received: 2/26/2008
Field Sample # : #1 SOUTH

LIMS-BAT #: LIMT-13766
Job Number: -

Sample ID : 08B06230

Sampled : 2/26/2008
STOCKPILE SAMPLE (SOUTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Tetrahydrofuran	mg/kg dry wt	ND	02/27/08	MFF	0.012			
Toluene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Trichloroethylene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Trichlorofluoromethane	mg/kg dry wt	ND	02/27/08	MFF	0.012			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/27/08	MFF	0.012			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Vinyl Chloride	mg/kg dry wt	ND	02/27/08	MFF	0.012			
m + p Xylene	mg/kg dry wt	ND	02/27/08	MFF	0.005			
o-Xylene	mg/kg dry wt	ND	02/27/08	MFF	0.003			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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352 ALBANY STREET
SPRINGFIELD, MA 01106

Purchase Order No.: 897660

Project Location: 225 GOODWIN STREET
Date Received: 2/26/2008
Field Sample # : #2 MID

LIMS-BAT #: LIMT-13766
Job Number: -

Sample ID : *08B06231

Sampled : 2/26/2008
STOCKPILE SAMPLE (MIDDLE)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
trans-1,4-Dichloro-2-Butene	mg/kg dry wt	ND	02/27/08	MFF	0.006			
Dichlorodifluoromethane	mg/kg dry wt	ND	02/27/08	MFF	0.026			
1,1-Dichloroethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,2-Dichloroethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,1-Dichloroethylene	mg/kg dry wt	ND	02/27/08	MFF	0.006			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,2-Dichloropropane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,3-Dichloropropane	mg/kg dry wt	ND	02/27/08	MFF	0.002			
2,2-Dichloropropane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,1-Dichloropropene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	02/27/08	MFF	0.002			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	02/27/08	MFF	0.002			
Diethyl Ether	mg/kg dry wt	ND	02/27/08	MFF	0.026			
Diisopropyl Ether	mg/kg dry wt	ND	02/27/08	MFF	0.002			
1,4-Dioxane	mg/kg dry wt	ND	02/27/08	MFF	0.13			
Ethyl Benzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Hexachlorobutadiene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
2-Hexanone	mg/kg dry wt	ND	02/27/08	MFF	0.026			
Isopropylbenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
p-Isopropyltoluene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
MTBE	mg/kg dry wt	ND	02/27/08	MFF	0.006			
Methylene Chloride	mg/kg dry wt	ND	02/27/08	MFF	0.026			
MIBK	mg/kg dry wt	ND	02/27/08	MFF	0.026			
Naphthalene	mg/kg dry wt	ND	02/27/08	MFF	0.006			
n-Propylbenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Styrene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	02/27/08	MFF	0.002			
Tetrachloroethylene	mg/kg dry wt	ND	02/27/08	MFF	0.003			

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SPRINGFIELD, MA 01106

3/5/2008

Purchase Order No.: 897660

Project Location: 225 GOODWIN STREET
Date Received: 2/26/2008
Field Sample # : #3 NORTH

LIMS-BAT #: LIMT-13766
Job Number: -

Sample ID : 08B06232

Sampled : 2/26/2008
STOCKPILE SAMPLE (NORTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	02/27/08	MFF	0.11			
Acrylonitrile	mg/kg dry wt	ND	02/27/08	MFF	0.022			
tert-Amylmethyl Ether	mg/kg dry wt	ND	02/27/08	MFF	0.002			
Benzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Bromobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Bromochloromethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Bromodichloromethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Bromoform	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Bromomethane	mg/kg dry wt	ND	02/27/08	MFF	0.011			
2-Butanone (MEK)	mg/kg dry wt	ND	02/27/08	MFF	0.044			
tert-Butyl Alcohol	mg/kg dry wt	ND	02/27/08	MFF	0.044			
n-Butylbenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
sec-Butylbenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
tert-Butylbenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
tert-Butylethyl Ether	mg/kg dry wt	ND	02/27/08	MFF	0.002			
Carbon Disulfide	mg/kg dry wt	ND	02/27/08	MFF	0.007			
Carbon Tetrachloride	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Chlorobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Chlorodibromomethane	mg/kg dry wt	ND	02/27/08	MFF	0.002			
Chloroethane	mg/kg dry wt	ND	02/27/08	MFF	0.022			
Chloroform	mg/kg dry wt	ND	02/27/08	MFF	0.005			
Chloromethane	mg/kg dry wt	ND	02/27/08	MFF	0.011			
2-Chlorotoluene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
4-Chlorotoluene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,2-Dibromoethane	mg/kg dry wt	ND	02/27/08	MFF	0.002			
Dibromomethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,2-Dichlorobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,3-Dichlorobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,4-Dichlorobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			

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3/5/2008

Purchase Order No.: 897660

Project Location: 225 GOODWIN STREET
Date Received: 2/26/2008
Field Sample # : #3 NORTH

LIMS-BAT #: LIMT-13766
Job Number: -

Sample ID : 08B06232

Sampled : 2/26/2008
STOCKPILE SAMPLE (NORTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Tetrahydrofuran	mg/kg dry wt	ND	02/27/08	MFF	0.011			
Toluene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,1,2-Trichloroethane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Trichloroethylene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Trichlorofluoromethane	mg/kg dry wt	ND	02/27/08	MFF	0.011			
1,2,3-Trichloropropane	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/kg dry wt	ND	02/27/08	MFF	0.011			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	02/27/08	MFF	0.003			
Vinyl Chloride	mg/kg dry wt	ND	02/27/08	MFF	0.011			
m + p Xylene	mg/kg dry wt	ND	02/27/08	MFF	0.005			
o-Xylene	mg/kg dry wt	ND	02/27/08	MFF	0.003			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

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3/5/2008

Purchase Order No.: 897660

Project Location: 225 GOODWIN STREET
Date Received: 2/26/2008

LIMS-BAT #: LIMT-13766
Job Number: -

Field Sample # : #1 SOUTH

Sample ID : 08B06230

Sampled : 2/26/2008
STOCKPILE SAMPLE (SOUTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	ND	02/29/08	AMP	0.29			

Field Sample # : #2 MID

Sample ID : 08B06231

Sampled : 2/26/2008
STOCKPILE SAMPLE (MIDDLE)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	ND	02/29/08	AMP	0.29			

Field Sample # : #3 NORTH

Sample ID : 08B06232

Sampled : 2/26/2008
STOCKPILE SAMPLE (NORTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	ND	02/29/08	AMP	0.28			

Analytical Method:
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

RL = Reporting Limit
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3/5/2008

Purchase Order No.: 897660

Project Location: 225 GOODWIN STREET
Date Received: 2/26/2008

LIMS-BAT #: LIMT-13766
Job Number: -

Field Sample # : #1 SOUTH

Sample ID : 08B06230

Sampled : 2/26/2008
STOCKPILE SAMPLE (SOUTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Flashpoint	deg. F	>212	02/29/08	MAM		140		P

Field Sample # : #2 MID

Sample ID : 08B06231

Sampled : 2/26/2008
STOCKPILE SAMPLE (MIDDLE)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Flashpoint	deg. F	>212	02/29/08	MAM		140		P

Field Sample # : #3 NORTH

Sample ID : 08B06232

Sampled : 2/26/2008
STOCKPILE SAMPLE (NORTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Flashpoint	deg. F	>212	02/29/08	MAM		140		P

Analytical Method:
SW846 1010
PENSKY-MARTENS CLOSED CUP PROCEDURE

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3/5/2008

Purchase Order No.: 897660

Project Location: 225 GOODWIN STREET
Date Received: 2/26/2008

LIMS-BAT #: LIMT-13766
Job Number: -

Field Sample # : #1 SOUTH

Sample ID : 08B06230

Sampled : 2/26/2008
STOCKPILE SAMPLE (SOUTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	18.6	02/29/08	AMP	0.85			

Field Sample # : #2 MID

Sample ID : 08B06231

Sampled : 2/26/2008
STOCKPILE SAMPLE (MIDDLE)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	4.94	02/29/08	AMP	0.86			

Field Sample # : #3 NORTH

Sample ID : 08B06232

Sampled : 2/26/2008
STOCKPILE SAMPLE (NORTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	6.78	02/29/08	AMP	0.84			

Analytical Method:
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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Purchase Order No.: 897660

Project Location: 225 GOODWIN STREET
Date Received: 2/26/2008

LIMS-BAT #: LIMT-13766
Job Number: -

Field Sample # : #1 SOUTH

Sample ID : 08B06230

Sampled : 2/26/2008
STOCKPILE SAMPLE (SOUTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cyanide, reactive	mg/kg	ND	03/04/08	MAM	4.5		250	P
Reactive Sulfide	mg/kg	ND	03/04/08	MAM	20		500	P

Field Sample # : #2 MID

Sample ID : 08B06231

Sampled : 2/26/2008
STOCKPILE SAMPLE (MIDDLE)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cyanide, reactive	mg/kg	ND	03/04/08	MAM	4.5		250	P
Reactive Sulfide	mg/kg	ND	03/04/08	MAM	20		500	P

Field Sample # : #3 NORTH

Sample ID : 08B06232

Sampled : 2/26/2008
STOCKPILE SAMPLE (NORTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cyanide, reactive	mg/kg	ND	03/04/08	MAM	4.5		250	P
Reactive Sulfide	mg/kg	ND	03/04/08	MAM	20		500	P

Analytical Method:
SW846 CH.7.3.3.2/7.3.4.2
REACTIVE CYANIDE SW846 CHPT. 7.3.3.2

QUANTITATIVE ANALYSIS OF HYDROGEN CYANIDE GAS GENERATED WHEN THE SAMPLE IS TREATED WITH ACID.

REACTIVE SULFIDE SW846 CHPT. 7.3.4.2

QUANTITATIVE ANALYSIS OF HYDROGEN SULFIDE GAS GENERATED WHEN THE SAMPLE IS TREATED WITH ACID.

METHOD IS NOT REQUIRED TO DETERMINE REACTIVITY OF A SAMPLE.
EPA HAS WITHDRAWN THIS METHOD FROM THE GUIDANCE DOCUMENT.

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3/5/2008

Purchase Order No.: 897660

Project Location: 225 GOODWIN STREET
Date Received: 2/26/2008

LIMS-BAT #: LIMT-13766
Job Number: -

Field Sample # : #1 SOUTH

Sample ID : 08B06230

Sampled : 2/26/2008
STOCKPILE SAMPLE (SOUTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unknown Hydrocarbons	mg/kg dry wt	ND	02/28/08	PJG	9.4			

Field Sample # : #2 MID

Sample ID : 08B06231

Sampled : 2/26/2008
STOCKPILE SAMPLE (MIDDLE)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unknown Hydrocarbons	mg/kg dry wt	ND	02/28/08	PJG	9.5			

Field Sample # : #3 NORTH

Sample ID : 08B06232

Sampled : 2/26/2008
STOCKPILE SAMPLE (NORTH)

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unknown Hydrocarbons	mg/kg dry wt	1800	02/28/08	PJG	470			

Analytical Method:
MODIFIED SW846 8100
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE AND ANALYZED BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION (FID). ALL PEAKS ELUTING IN THE PETROLEUM FUEL REGION ARE QUANTITATED AS #2 FUEL OIL.

RL = Reporting Limit
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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/5/2008 Lims Bat # : LIMT-13766

QC Batch Number: FLASHPONT-2411

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-75502					
	Flashpoint	Lab Fort Blank Amt.	81.0	deg. F	
		Lab Fort Blk. Found	80.6	deg. F	
		Lab Fort Blk. % Rec.	99.5	%	
LFBLANK-75503					
	Flashpoint	Lab Fort Blank Amt.	81.0	deg. F	
		Lab Fort Blk. Found	80.6	deg. F	
		Lab Fort Blk. % Rec.	99.5	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/5/2008 Lims Bat # : LIMT-13766

QC Batch Number: GC/ECD-10786

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-75515					
	PCB-1260	Lab Fort Blank Range	3.557	units	
		Lab Fort Bl. Av. Rec	95.071	%	
		LFB Duplicate RPD	3.741	%	0-30
	PCB 1016	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.185	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.622	%	40-140
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.181	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.967	%	
		Lab Fort Blank Range	1.655	units	
		Lab Fort Bl. Av. Rec	91.795	%	
		LFB Duplicate RPD	1.802	%	0-30

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/5/2008 Lims Bat # : LIMT-13766

QC Batch Number: GCMS/VOL-18917

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B06230					
	1,2-Dichloroethane-d4	Surrogate Recovery	106.600	%	70-130
	Toluene-d8	Surrogate Recovery	100.360	%	70-130
	Bromofluorobenzene	Surrogate Recovery	98.640	%	70-130
08B06231					
	Acetone	Sample Amount	<0.13	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.066	mg/kg dry wt	
		Matrix Spike % Rec.	303.399	%	70-130
	Benzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.021	mg/kg dry wt	
		Matrix Spike % Rec.	98.399	%	70-130
	Carbon Tetrachloride	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	
		Matrix Spike % Rec.	101.900	%	70-130
	Chloroform	Sample Amount	<0.006	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	
		Matrix Spike % Rec.	104.300	%	70-130
	1,2-Dichloroethane	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.021	mg/kg dry wt	
		Matrix Spike % Rec.	100.800	%	70-130
	1,4-Dichlorobenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.021	mg/kg dry wt	
		Matrix Spike % Rec.	98.799	%	70-130
	Ethyl Benzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.021	mg/kg dry wt	
		Matrix Spike % Rec.	97.399	%	70-130
	2-Butanone (MEK)	Sample Amount	<0.051	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.043	mg/kg dry wt	
		Matrix Spike % Rec.	199.199	%	70-130
	MIBK	Sample Amount	<0.026	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.034	mg/kg dry wt	
		Matrix Spike % Rec.	156.100	%	70-130
	Naphthalene	Sample Amount	<0.006	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.024	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/5/2008 Lims Bat # : LIMT-13766

QC Batch Number: GCMS/VOL-18917

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B06231					
	1,3-Dichlorobenzene	MS Amt Measured	0.022	mg/kg dry wt	
		Matrix Spike % Rec.	102.100	%	70-130
	1,1-Dichloroethane	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	
		Matrix Spike % Rec.	104.300	%	70-130
	1,1-Dichloroethylene	Sample Amount	<0.006	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	
		Matrix Spike % Rec.	101.600	%	70-130
	1,4-Dioxane	Sample Amount	<0.13	mg/kg dry wt	
		Matrix Spk Amt Added	0.109	mg/kg dry wt	
		MS Amt Measured	0.102	mg/kg dry wt	
		Matrix Spike % Rec.	94.259	%	70-130
	MTBE	Sample Amount	<0.006	mg/kg dry wt	
		Matrix Spk Amt Added	0.043	mg/kg dry wt	
		MS Amt Measured	0.046	mg/kg dry wt	
		Matrix Spike % Rec.	107.000	%	70-130
	trans-1,2-Dichloroethylene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.023	mg/kg dry wt	
		Matrix Spike % Rec.	106.300	%	70-130
	Vinyl Chloride	Sample Amount	<0.013	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.021	mg/kg dry wt	
		Matrix Spike % Rec.	97.000	%	70-130
	Methylene Chloride	Sample Amount	<0.026	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.025	mg/kg dry wt	
		Matrix Spike % Rec.	118.000	%	70-130
	Chlorobenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.021	mg/kg dry wt	
		Matrix Spike % Rec.	100.400	%	70-130
	Chloromethane	Sample Amount	<0.013	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.020	mg/kg dry wt	
		Matrix Spike % Rec.	94.799	%	70-130
	Bromomethane	Sample Amount	<0.013	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.019	mg/kg dry wt	
		Matrix Spike % Rec.	87.799	%	70-130
	Chloroethane	Sample Amount	<0.026	mg/kg dry wt	

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08B06231					
	n-Propylbenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	
		Matrix Spike % Rec.	104.900	%	70-130
	sec-Butylbenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.023	mg/kg dry wt	
		Matrix Spike % Rec.	105.600	%	70-130
	tert-Butylbenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.024	mg/kg dry wt	
		Matrix Spike % Rec.	114.600	%	70-130
	1,2,3-Trichlorobenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.024	mg/kg dry wt	
		Matrix Spike % Rec.	111.000	%	70-130
	1,2,4-Trichlorobenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.023	mg/kg dry wt	
		Matrix Spike % Rec.	108.200	%	70-130
	1,2,4-Trimethylbenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	
		Matrix Spike % Rec.	101.600	%	70-130
	1,3,5-Trimethylbenzene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.023	mg/kg dry wt	
		Matrix Spike % Rec.	107.300	%	70-130
	4-Chlorotoluene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.023	mg/kg dry wt	
		Matrix Spike % Rec.	106.500	%	70-130
	Dibromomethane	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	
		Matrix Spike % Rec.	101.300	%	70-130
	cis-1,2-Dichloroethylene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	
		Matrix Spike % Rec.	103.200	%	70-130
	1,1-Dichloropropene	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	

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08B06231					
	Carbon Disulfide	MS Amt Measured	0.021	mg/kg dry wt	
		Matrix Spike % Rec.	97.699	%	70-130
	2-Hexanone	Sample Amount	<0.026	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.038	mg/kg dry wt	
		Matrix Spike % Rec.	174.399	%	70-130
	trans-1,4-Dichloro-2-Butene	Sample Amount	<0.006	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.027	mg/kg dry wt	
		Matrix Spike % Rec.	125.399	%	70-130
	Diethyl Ether	Sample Amount	<0.026	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.022	mg/kg dry wt	
		Matrix Spike % Rec.	103.900	%	70-130
	Bromodichloromethane	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.023	mg/kg dry wt	
		Matrix Spike % Rec.	106.100	%	70-130
	1,2-Dichloroethane-d4	Surrogate Recovery	105.000	%	70-130
	Toluene-d8	Surrogate Recovery	99.040	%	70-130
	Bromofluorobenzene	Surrogate Recovery	98.880	%	70-130
	1,2-Dibromo-3-Chloropropane	Sample Amount	<0.003	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.025	mg/kg dry wt	
		Matrix Spike % Rec.	114.700	%	70-130
	1,2-Dibromoethane	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.023	mg/kg dry wt	
		Matrix Spike % Rec.	109.200	%	70-130
	Tetrahydrofuran	Sample Amount	<0.013	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.025	mg/kg dry wt	
		Matrix Spike % Rec.	116.300	%	70-130
	tert-Butyl Alcohol	Sample Amount	<0.051	mg/kg dry wt	
		Matrix Spk Amt Added	0.109	mg/kg dry wt	
		MS Amt Measured	0.140	mg/kg dry wt	
		Matrix Spike % Rec.	128.639	%	70-130
	Diisopropyl Ether	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	
		MS Amt Measured	0.021	mg/kg dry wt	
		Matrix Spike % Rec.	99.700	%	70-130
	tert-Butylethyl Ether	Sample Amount	<0.002	mg/kg dry wt	
		Matrix Spk Amt Added	0.021	mg/kg dry wt	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-113881					
	cis-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	trans-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	Chlorodibromomethane	Blank	<0.001	mg/kg dry wt	
	1,1,2-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Bromoform	Blank	<0.002	mg/kg dry wt	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg dry wt	
	2-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.002	mg/kg dry wt	
	Isopropylbenzene	Blank	<0.002	mg/kg dry wt	
	p-Isopropyltoluene	Blank	<0.002	mg/kg dry wt	
	n-Propylbenzene	Blank	<0.002	mg/kg dry wt	
	sec-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	tert-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	4-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Dibromomethane	Blank	<0.002	mg/kg dry wt	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloropropene	Blank	<0.002	mg/kg dry wt	
	1,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,3-Dichloropropane	Blank	<0.001	mg/kg dry wt	
	2,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg dry wt	
	n-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg dry wt	
	Bromochloromethane	Blank	<0.002	mg/kg dry wt	
	Bromobenzene	Blank	<0.002	mg/kg dry wt	
	Acrylonitrile	Blank	<0.020	mg/kg dry wt	
	Carbon Disulfide	Blank	<0.006	mg/kg dry wt	
	2-Hexanone	Blank	<0.020	mg/kg dry wt	
	trans-1,4-Dichloro-2-Butene	Blank	<0.004	mg/kg dry wt	
	Diethyl Ether	Blank	<0.020	mg/kg dry wt	
	Bromodichloromethane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromoethane	Blank	<0.001	mg/kg dry wt	
	Tetrahydrofuran	Blank	<0.010	mg/kg dry wt	
	tert-Butyl Alcohol	Blank	<0.040	mg/kg dry wt	
	Diisopropyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg dry wt	

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LFBLANK-75352					
	Trichloroethylene	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.800	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.800	%	40-160
	Trichlorofluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	119.200	%	70-130
	o-Xylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.300	%	70-130
	m + p Xylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.040	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.500	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.300	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.000	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.300	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.700	%	70-130
	1,4-Dioxane	Lab Fort Blank Amt.	0.100	mg/kg dry wt	
		Lab Fort Blk. Found	0.094	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.900	%	40-160
	MTBE	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.043	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.000	%	70-130
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.000	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.000	%	40-130
	Methylene Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.100	%	40-160
	Chlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	

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LFBLANK-75352					
	sec-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.900	%	70-130
	tert-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.900	%	70-160
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.000	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.900	%	40-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.000	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.600	%	70-130
	4-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.100	%	70-130
	Dibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.300	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.100	%	70-130
	1,1-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.900	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.600	%	70-130
	1,3-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.400	%	70-130
	2,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.900	%	70-130
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.900	%	70-130
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	