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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

1/10/2008

Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : EAST SIDE WALL
Sample ID : 08B00684
Sampled : 1/8/2008
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMT-12597
Job Number: 2070222A

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	01/09/08	CJM	31.8			
C19-C36 Aliphatics	mg/kg dry wt	46.0	01/09/08	CJM	31.8			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	01/09/08	CJM	31.8			
C11-C22 Aromatics	mg/kg dry wt	ND	01/09/08	CJM	31.8			
Acenaphthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Date Extracted EPH Solid		1/8/2008	01/09/08	CJM				

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352 ALBANY STREET
SPRINGFIELD, MA 01106

Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : END UST PIT BOTTOM
Sample ID : *08B00682
Sampled : 1/7/2008
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMT-12597
Job Number: 2070222A

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	1580	01/09/08	CJM	33.7			
C19-C36 Aliphatics	mg/kg dry wt	220	01/09/08	CJM	33.7			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	283	01/09/08	CJM	33.7			
C11-C22 Aromatics	mg/kg dry wt	275	01/09/08	CJM	33.7			
Acenaphthene	mg/kg dry wt	0.4	01/09/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	1.3	01/09/08	CJM	0.2			
Anthracene	mg/kg dry wt	0.4	01/09/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Fluorene	mg/kg dry wt	1.7	01/09/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	1.3	01/09/08	CJM	0.2			
Naphthalene	mg/kg dry wt	1.4	01/09/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	0.8	01/09/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Date Extracted EPH Solid		1/8/2008	01/09/08	CJM				

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352 ALBANY STREET
SPRINGFIELD, MA 01106

Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : LEFT UST PIT BOTTOM
Sample ID : *08B00685
Sampled : 1/8/2008
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMT-12597
Job Number: 2070222A

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	7120	01/09/08	CJM	32.8			
C19-C36 Aliphatics	mg/kg dry wt	976	01/09/08	CJM	32.8			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	1050	01/09/08	CJM	32.8			
C11-C22 Aromatics	mg/kg dry wt	1010	01/09/08	CJM	32.8			
Acenaphthene	mg/kg dry wt	1.9	01/09/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	4.4	01/09/08	CJM	0.2			
Anthracene	mg/kg dry wt	1.7	01/09/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Fluorene	mg/kg dry wt	6.1	01/09/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	11.8	01/09/08	CJM	0.2			
Naphthalene	mg/kg dry wt	3.5	01/09/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	3.7	01/09/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Date Extracted EPH Solid		1/8/2008	01/09/08	CJM				

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ASSOCIATED BUILDING WRECKERS
352 ALBANY STREET
SPRINGFIELD, MA 01106

1/10/2008

Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : NORTH SIDE WALL
Sample ID : 08B00683
Sampled : 1/8/2008
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMT-12597
Job Number: 2070222A

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	01/09/08	CJM	34.2			
C19-C36 Aliphatics	mg/kg dry wt	ND	01/09/08	CJM	34.2			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	01/09/08	CJM	34.2			
C11-C22 Aromatics	mg/kg dry wt	ND	01/09/08	CJM	34.2			
Acenaphthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	01/09/08	CJM	0.2			
Date Extracted EPH Solid		1/8/2008	01/09/08	CJM				

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352 ALBANY STREET
SPRINGFIELD, MA 01106

Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
LIMS-BAT #: LIMT-12597
Job Number: 2070222A

Field Sample # : EAST SIDE WALL

Sample ID : 08B00684
Sampled : 1/8/2008
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	94.5	01/10/08	VAK				

Field Sample # : END UST PIT BOTTOM

Sample ID : 08B00682
Sampled : 1/7/2008
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	89.1	01/10/08	VAK				

Field Sample # : LEFT UST PIT BOTTOM

Sample ID : 08B00685
Sampled : 1/8/2008
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.6	01/10/08	VAK				

Field Sample # : NORTH SIDE WALL

Sample ID : 08B00683
Sampled : 1/8/2008
NOT SPECIFIED

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	87.9	01/10/08	VAK				

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

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Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : END UST PIT BOTTOM
Sample ID : 08B00682
Sampled : 1/7/2008
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMT-12597
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	42.9	01/08/08	EH	19.2			
C5-C8 Aliphatics	mg/kg dry wt	42.9	01/08/08	EH	19.2			
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	289	01/08/08	EH	12.8			
C9-C12 Aliphatics	mg/kg dry wt	45.9	01/08/08	EH	12.8			
C9-C10 Aromatics	mg/kg dry wt	242	01/08/08	EH	12.8			
Benzene	mg/kg dry wt	ND	01/08/08	EH	0.064			
Ethylbenzene	mg/kg dry wt	0.380	01/08/08	EH	0.064			
MTBE	mg/kg dry wt	ND	01/08/08	EH	0.064			
Naphthalene	mg/kg dry wt	3.79	01/08/08	EH	0.638			
Toluene	mg/kg dry wt	ND	01/08/08	EH	0.064			
m/p-Xylene	mg/kg dry wt	0.238	01/08/08	EH	0.128			
o-Xylene	mg/kg dry wt	0.682	01/08/08	EH	0.064			

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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Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : NORTH SIDE WALL
Sample ID : *08B00683
Sampled : 1/8/2008
NOT SPECIFIED
Sample Matrix: SOIL

LIMS-BAT #: LIMT-12597
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	01/08/08	EH	15.3			
C5-C8 Aliphatics	mg/kg dry wt	ND	01/08/08	EH	15.3			
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	01/08/08	EH	10.2			
C9-C12 Aliphatics	mg/kg dry wt	ND	01/08/08	EH	10.2			
C9-C10 Aromatics	mg/kg dry wt	ND	01/08/08	EH	10.2			
Benzene	mg/kg dry wt	ND	01/08/08	EH	0.051			
Ethylbenzene	mg/kg dry wt	ND	01/08/08	EH	0.051			
MTBE	mg/kg dry wt	ND	01/08/08	EH	0.051			
Naphthalene	mg/kg dry wt	ND	01/08/08	EH	0.509			
Toluene	mg/kg dry wt	ND	01/08/08	EH	0.051			
m/p-Xylene	mg/kg dry wt	ND	01/08/08	EH	0.102			
o-Xylene	mg/kg dry wt	ND	01/08/08	EH	0.051			

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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1/10/2008

Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008

LIMS-BAT #: LIMT-12597
Job Number: 2070222A

Sample ID: * 08B00684
Analysis: vph - solid 04

SOIL/METHANOL RATIO DOES NOT MEET METHOD SPECIFICATIONS.
EXCESS AMOUNT OF SOIL.

Sample ID: * 08B00685
Analysis: C19-C36 Aliphatics

REPORTED RESULT IS ESTIMATED. FRACTIONATION CARTRIDGE IS OVERLOADED.

Sample ID: * 08B00685
Analysis: Unadjusted C11-C22 Aromatics

REPORTED RESULT IS ESTIMATED. FRACTIONATION CARTRIDGE IS OVERLOADED.

Sample ID: * 08B00685
Analysis: Acenaphthene

REPORTED RESULT IS ESTIMATED. FRACTIONATION CARTRIDGE IS OVERLOADED.

Sample ID: * 08B00685
Analysis: Anthracene

REPORTED RESULT IS ESTIMATED. FRACTIONATION CARTRIDGE IS OVERLOADED.

Sample ID: * 08B00685
Analysis: Naphthalene

REPORTED RESULT IS ESTIMATED. FRACTIONATION CARTRIDGE IS OVERLOADED.

Sample ID: * 08B00685
Analysis: Phenanthrene

REPORTED RESULT IS ESTIMATED. FRACTIONATION CARTRIDGE IS OVERLOADED.

Sample ID: * 08B00685
Analysis: vph - solid 04

SOIL/METHANOL RATIO DOES NOT MEET METHOD SPECIFICATIONS.
EXCESS AMOUNT OF SOIL.

** 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: 1/10/2008 Lims Bat # : LIMT-12597

QC Batch Number: GC/FID-20040

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-73449					
	2,2,4-Trimethylpentane	Dup Lab Fort Bl Amt.	5.681	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.965	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.000	%	70-130
		Lab Fort Blank Range	6.800	units	
		Lab Fort Bl. Av. Rec	101.600	%	
		LFB Duplicate RPD	6.692	%	0-25
	n-Decane	Lab Fort Blank Amt.	5.681	mg/kg dry wt	
		Lab Fort Blk. Found	4.073	mg/kg dry wt	
		Lab Fort Blk. % Rec.	71.699	%	70-130
		Dup Lab Fort Bl Amt.	5.681	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.710	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	82.900	%	70-130
		Lab Fort Blank Range	11.200	units	
		Lab Fort Bl. Av. Rec	77.300	%	
		LFB Duplicate RPD	14.489	%	0-25
	n-Butylcyclohexane	Lab Fort Blank Amt.	5.681	mg/kg dry wt	
		Lab Fort Blk. Found	4.471	mg/kg dry wt	
		Lab Fort Blk. % Rec.	78.700	%	70-130
		Dup Lab Fort Bl Amt.	5.681	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.846	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	85.300	%	70-130
		Lab Fort Blank Range	6.599	units	
		Lab Fort Bl. Av. Rec	82.000	%	
		LFB Duplicate RPD	8.048	%	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: 1/10/2008 Lims Bat # : LIMT-12597

QC Batch Number: GC/FID-20045

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-112024					
	C11-C22 Aromatics	Blank	<30.0	mg/kg dry wt	
LFBLANK-73458					
	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.	75.9	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.4	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	68.5	%	40-140
		Lab Fort Blank Range	7.3	units	
		Lab Fort Bl. Av. Rec	72.2	%	
		LFB Duplicate RPD	10.1	%	0-25
	Acenaphthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.9	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.9	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.4	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.3	%	40-140
		Lab Fort Blank Range	9.5	units	
		Lab Fort Bl. Av. Rec	94.1	%	
		LFB Duplicate RPD	10.1	%	0-25
	Acenaphthylene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.5	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.2	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.1	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	82.4	%	40-140
		Lab Fort Blank Range	8.8	units	
		Lab Fort Bl. Av. Rec	86.8	%	
		LFB Duplicate RPD	10.1	%	0-25
	Anthracene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.5	%	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	91.8	%	40-140
		Lab Fort Blank Range	8.7	units	
		Lab Fort Bl. Av. Rec	96.2	%	
		LFB Duplicate RPD	9.0	%	0-25
	Benzo(a)anthracene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.0	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.6	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: 1/10/2008 Lims Bat # : LIMT-12597

QC Batch Number: GC/FID-20045

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-73458					
	Dibenzo(a,h)anthracene	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	93.7	%	40-140
		Lab Fort Blank Range	6.2	units	
		Lab Fort Bl. Av. Rec	96.8	%	
		LFB Duplicate RPD	6.4	%	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.	99.9	%	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	92.2	%	40-140
		Lab Fort Blank Range	7.6	units	
		Lab Fort Bl. Av. Rec	96.1	%	
		LFB Duplicate RPD	7.9	%	0-25
	Fluorene	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	4.2	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	85.8	%	40-140
		Lab Fort Blank Range	9.1	units	
		Lab Fort Bl. Av. Rec	90.4	%	
		LFB Duplicate RPD	10.0	%	0-25
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.5	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.3	%	40-140
		Lab Fort Blank Range	6.2	units	
		Lab Fort Bl. Av. Rec	89.4	%	
		LFB Duplicate RPD	6.9	%	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.	85.3	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.8	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	76.1	%	40-140
		Lab Fort Blank Range	9.2	units	
		Lab Fort Bl. Av. Rec	80.7	%	
		LFB Duplicate RPD	11.4	%	0-25
	Phenanthrene	Lab Fort Blank Amt.	5.0	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

QC Batch Number: GC/PID-8449

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-73447					
	Naphthalene	LFB Duplicate RPD	3.508	%	0-25
	Toluene	Lab Fort Blank Amt.	5.681	mg/kg dry wt	
		Lab Fort Blk. Found	4.579	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.600	%	70-130
		Dup Lab Fort Bl Amt.	5.681	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.642	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	81.700	%	70-130
		Lab Fort Blank Range	1.100	units	
		Lab Fort Bl. Av. Rec	81.150	%	
		LFB Duplicate RPD	1.355	%	0-25
	o-Xylene	Lab Fort Blank Amt.	5.681	mg/kg dry wt	
		Lab Fort Blk. Found	4.982	mg/kg dry wt	
		Lab Fort Blk. % Rec.	87.700	%	70-130
		Dup Lab Fort Bl Amt.	5.681	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.068	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.200	%	70-130
		Lab Fort Blank Range	1.499	units	
		Lab Fort Bl. Av. Rec	88.450	%	
		LFB Duplicate RPD	1.695	%	0-25
	m/p-Xylene	Lab Fort Blank Amt.	11.363	mg/kg dry wt	
		Lab Fort Blk. Found	9.488	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.499	%	70-130
		Dup Lab Fort Bl Amt.	11.363	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	9.659	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	84.999	%	70-130
		Lab Fort Blank Range	1.500	units	
		Lab Fort Bl. Av. Rec	84.249	%	
		LFB Duplicate RPD	1.780	%	0-25
	MTBE	Lab Fort Blank Amt.	5.681	mg/kg dry wt	
		Lab Fort Blk. Found	4.562	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.300	%	70-130
		Dup Lab Fort Bl Amt.	5.681	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.607	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	81.100	%	70-130
		Lab Fort Blank Range	0.800	units	
		Lab Fort Bl. Av. Rec	80.700	%	
		LFB Duplicate RPD	0.991	%	0-25
	1,2,4-TrimethylBenzene	Lab Fort Blank Amt.	5.681	mg/kg dry wt	
		Lab Fort Blk. Found	5.795	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.000	%	70-130
		Dup Lab Fort Bl Amt.	5.681	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.852	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.000	%	70-130

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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-20040
Sample ID : 08B00683
Analysis : 2,5-Dibromotoluene (FID)

SURROGATE RECOVERY IS OUTSIDE CONTROL LIMITS. REANALYSIS IS NOT REQUIRED SINCE SAMPLE IS " NOT DETECTED" AND BIAS IS HIGH.

QC Batch No. : GC/PID-8449
Sample ID : 08B00683
Analysis : 2,5-Dibromotoluene (PID)

Surrogate high. Reanalysis not required, targets and ranges ND

QC Batch No. : GC/FID-20040
Sample ID : 08B00684
Analysis : 2,5-Dibromotoluene (FID)

SURROGATE RECOVERY IS OUTSIDE CONTROL LIMITS. REANALYSIS IS NOT REQUIRED SINCE SAMPLE IS " NOT DETECTED" AND BIAS IS HIGH.

QC Batch No. : GC/PID-8449
Sample ID : 08B00684
Analysis : 2,5-Dibromotoluene (PID)

Surrogate high. Reanalysis not required, targets and ranges ND

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: Limit-12597
Project Location: CHAPMAN AVE.	MADEP RTN[1]:

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

08B00682-08B00685

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

MCP SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH (✓)	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:** 04/10/08

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Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

Limit-12597

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 # 20702224

Client PO # 2070222

Attention: FRED VANDERHOOF

Project Location: CHAPMAN VALVE

Sampled By: LVR

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax #: mccormabewsinc.com
Email: mccormabewsinc.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	Composite	Grab	*Matrix Code	Conc. Code	EPH/TARGET PAHs	VPH/TARGET VOCs	# of containers	**Preservation	~Cont.Code
									4	4			
									H	Mi			
									A	V			
	END UST PIT BOTTOM	001682	1-7-08	1500		X	Soil	M	X	X			
	NORTH SIDE WALL	001683	1-8-08	0815				L					
	EAST SIDE WALL	001684	1-8-08	0830				L					
	LEFT UST PIT BOTTOM	001685	1-8-08	0800				M					
	~~TRIP BLANK~~ (WB)												

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:

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: 1-08-08 1405	
Received by: (signature) 3.0 C	Date/Time: 1/8/08 1405	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

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

Detection Limit Requirements
Regulations? MCP S1-GW2/GW3
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 1/15/2008

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-12599
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: CHAPMAN VALVE

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
TANK 09	08B00688	WATER OTHE	NOT SPECIFIED	eph - water 04
TANK 09	08B00688	WATER OTHE	NOT SPECIFIED	vph - water 04
TANK 09	08B00690	WATER OTHE	NOT SPECIFIED	8082 water
TANK 09	08B00690	WATER OTHE	NOT SPECIFIED	8260 water
TANK 09	08B00690	WATER OTHE	NOT SPECIFIED	metals-8 h20 icp
TANK 12	08B00689	WATER OTHE	NOT SPECIFIED	eph - water 04
TANK 12	08B00689	WATER OTHE	NOT SPECIFIED	vph - water 04
TANK 12	08B00691	WATER OTHE	NOT SPECIFIED	8082 water
TANK 12	08B00691	WATER OTHE	NOT SPECIFIED	8260 water
TANK 12	08B00691	WATER OTHE	NOT SPECIFIED	metals-8 h20 icp

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REPORT DATE 1/15/2008

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PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-12599
JOB NUMBER: 2070222A

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

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

ALL VPH SAMPLES WERE RECEIVED PRESERVED PROPERLY (WATER SAMPLES pH <2; SOIL SAMPLES IN METHANOL WITH A SOIL/METHANOL RATIO OF 1:1 +/- 25% COMPLETELY COVERED BY METHANOL) IN THE PROPER CONTAINERS AT 4° C. +/- 2° AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS SPECIFIED BELOW: ALL PROPERLY PRESERVED

THE VPH METHOD BLANK WAS FOUND NOT TO BE CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

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

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

LABORATORY CONTROL SAMPLE RECOVERIES, LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES, AND LCS DUPLICATE RPDs FOR ALL VPH COMPONENT STANDARD COMPOUNDS WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

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

VPH 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: NONE REQUESTED

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

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)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 1/15/08

SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Assurance Officer

Edward Denson
Technical Director

con-test ANALYTICAL LABORATORY

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

1/15/2008

Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : TANK 09
Sample ID : 08B00690
Sampled : 1/8/2008
NOT SPECIFIED
Sample Matrix: WATER OTHER

LIMS-BAT #: LIMT-12599
Job Number: 2070222A

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
PCB 1016	ug/l	ND	01/14/08	JB	0.20			
PCB-1221	ug/l	ND	01/14/08	JB	0.20			
PCB-1232	ug/l	ND	01/14/08	JB	0.20			
PCB-1242	ug/l	ND	01/14/08	JB	0.20			
PCB-1248	ug/l	ND	01/14/08	JB	0.20			
PCB-1254	ug/l	ND	01/14/08	JB	0.20			
PCB-1260	ug/l	ND	01/14/08	JB	0.20			
PCB 1262	ug/l	ND	01/14/08	JB	0.20			
PCB 1268	ug/l	ND	01/14/08	JB	0.20			
Extraction Date 608/8081/8082		1/11/2008	01/14/08	JB				

Field Sample # : TANK 12
Sample ID : 08B00691
Sampled : 1/8/2008
NOT SPECIFIED
Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
PCB 1016	ug/l	ND	01/14/08	JB	0.20			
PCB-1221	ug/l	ND	01/14/08	JB	0.20			
PCB-1232	ug/l	ND	01/14/08	JB	0.20			
PCB-1242	ug/l	ND	01/14/08	JB	0.20			
PCB-1248	ug/l	ND	01/14/08	JB	0.20			
PCB-1254	ug/l	ND	01/14/08	JB	0.20			
PCB-1260	ug/l	ND	01/14/08	JB	0.20			
PCB 1262	ug/l	ND	01/14/08	JB	0.20			
PCB 1268	ug/l	ND	01/14/08	JB	0.20			
Extraction Date 608/8081/8082		1/11/2008	01/14/08	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.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : TANK 09
Sample ID : 08B00690
Sampled : 1/8/2008
NOT SPECIFIED
Sample Matrix: WATER OTHER

LIMS-BAT #: LIMT-12599
Job Number: 2070222A

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	ug/l	ND	01/09/08	LBD	50.0			
Acrylonitrile	ug/l	ND	01/09/08	LBD	5.0			
tert-Amylmethyl Ether	ug/l	ND	01/09/08	LBD	0.5			
Benzene	ug/l	ND	01/09/08	LBD	1.0			
Bromobenzene	ug/l	ND	01/09/08	LBD	1.0			
Bromochloromethane	ug/l	ND	01/09/08	LBD	1.0			
Bromodichloromethane	ug/l	ND	01/09/08	LBD	1.0			
Bromoform	ug/l	ND	01/09/08	LBD	1.0			
Bromomethane	ug/l	ND	01/09/08	LBD	2.0			
2-Butanone (MEK)	ug/l	ND	01/09/08	LBD	20.0			
tert-Butyl Alcohol	ug/l	ND	01/09/08	LBD	20.0			
n-Butylbenzene	ug/l	ND	01/09/08	LBD	1.0			
sec-Butylbenzene	ug/l	ND	01/09/08	LBD	1.0			
tert-Butylbenzene	ug/l	ND	01/09/08	LBD	1.0			
tert-Butylethyl Ether	ug/l	ND	01/09/08	LBD	0.5			
Carbon Disulfide	ug/l	ND	01/09/08	LBD	3.0			
Carbon Tetrachloride	ug/l	ND	01/09/08	LBD	1.0			
Chlorobenzene	ug/l	ND	01/09/08	LBD	1.0			
Chlorodibromomethane	ug/l	ND	01/09/08	LBD	0.5			
Chloroethane	ug/l	ND	01/09/08	LBD	2.0			
Chloroform	ug/l	ND	01/09/08	LBD	2.0			
Chloromethane	ug/l	ND	01/09/08	LBD	2.0			
2-Chlorotoluene	ug/l	ND	01/09/08	LBD	1.0			
4-Chlorotoluene	ug/l	ND	01/09/08	LBD	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	01/09/08	LBD	5.0			
1,2-Dibromoethane	ug/l	ND	01/09/08	LBD	0.50			
Dibromomethane	ug/l	ND	01/09/08	LBD	1.0			
1,2-Dichlorobenzene	ug/l	ND	01/09/08	LBD	1.0			
1,3-Dichlorobenzene	ug/l	ND	01/09/08	LBD	1.0			
1,4-Dichlorobenzene	ug/l	ND	01/09/08	LBD	1.0			

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

Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : TANK 09
Sample ID : 08B00690
Sampled : 1/8/2008
NOT SPECIFIED
Sample Matrix: WATER OTHER

LIMS-BAT #: LIMT-12599
Job Number: 2070222A

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Tetrahydrofuran	ug/l	ND	01/09/08	LBD	10.0			
Toluene	ug/l	ND	01/09/08	LBD	1.0			
1,2,3-Trichlorobenzene	ug/l	ND	01/09/08	LBD	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	01/09/08	LBD	1.0			
1,1,1-Trichloroethane	ug/l	ND	01/09/08	LBD	1.0			
1,1,2-Trichloroethane	ug/l	ND	01/09/08	LBD	1.0			
Trichloroethylene	ug/l	ND	01/09/08	LBD	1.0			
Trichlorofluoromethane	ug/l	ND	01/09/08	LBD	2.0			
1,2,3-Trichloropropane	ug/l	ND	01/09/08	LBD	2.0			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	ND	01/09/08	LBD	5.0			
1,2,4-Trimethylbenzene	ug/l	ND	01/09/08	LBD	1.0			
1,3,5-Trimethylbenzene	ug/l	ND	01/09/08	LBD	1.0			
Vinyl Chloride	ug/l	ND	01/09/08	LBD	2.0			
m + p Xylene	ug/l	ND	01/09/08	LBD	2.0			
o-Xylene	ug/l	ND	01/09/08	LBD	1.0			

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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ASSOCIATED BUILDING WRECKERS
352 ALBANY STREET
SPRINGFIELD, MA 01106

Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : TANK 12
Sample ID : 08B00691
Sampled : 1/8/2008
NOT SPECIFIED
Sample Matrix: WATER OTHER

LIMS-BAT #: LIMT-12599
Job Number: 2070222A

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
trans-1,4-Dichloro-2-Butene	ug/l	ND	01/09/08	LBD	2.0			
Dichlorodifluoromethane	ug/l	ND	01/09/08	LBD	2.0			
1,1-Dichloroethane	ug/l	ND	01/09/08	LBD	1.0			
1,2-Dichloroethane	ug/l	ND	01/09/08	LBD	1.0			
1,1-Dichloroethylene	ug/l	ND	01/09/08	LBD	1.0			
cis-1,2-Dichloroethylene	ug/l	ND	01/09/08	LBD	1.0			
trans-1,2-Dichloroethylene	ug/l	ND	01/09/08	LBD	1.0			
1,2-Dichloropropane	ug/l	ND	01/09/08	LBD	1.0			
1,3-Dichloropropane	ug/l	ND	01/09/08	LBD	0.5			
2,2-Dichloropropane	ug/l	ND	01/09/08	LBD	1.0			
1,1-Dichloropropene	ug/l	ND	01/09/08	LBD	2.0			
cis-1,3-Dichloropropene	ug/l	ND	01/09/08	LBD	0.5			
trans-1,3-Dichloropropene	ug/l	ND	01/09/08	LBD	0.5			
Diethyl Ether	ug/l	ND	01/09/08	LBD	2.0			
Diisopropyl Ether	ug/l	ND	01/09/08	LBD	0.5			
1,4-Dioxane	ug/l	ND	01/09/08	LBD	50.0			
Ethyl Benzene	ug/l	ND	01/09/08	LBD	1.0			
Hexachlorobutadiene	ug/l	ND	01/09/08	LBD	1.0			
2-Hexanone	ug/l	ND	01/09/08	LBD	10.0			
Isopropylbenzene	ug/l	ND	01/09/08	LBD	1.0			
p-Isopropyltoluene	ug/l	ND	01/09/08	LBD	1.0			
MTBE	ug/l	ND	01/09/08	LBD	1.0			
Methylene Chloride	ug/l	ND	01/09/08	LBD	5.0			
MIBK	ug/l	ND	01/09/08	LBD	10.0			
Naphthalene	ug/l	ND	01/09/08	LBD	2.0			
n-Propylbenzene	ug/l	ND	01/09/08	LBD	1.0			
Styrene	ug/l	ND	01/09/08	LBD	1.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	01/09/08	LBD	1.0			
1,1,2,2-Tetrachloroethane	ug/l	ND	01/09/08	LBD	0.5			
Tetrachloroethylene	ug/l	ND	01/09/08	LBD	1.0			

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Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : TANK 09
Sample ID : 08B00688

LIMS-BAT #: LIMT-12599
Job Number: 2070222A

Sampled : 1/8/2008
NOT SPECIFIED

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	ug/l	ND	01/15/08	CJM	150			
C19-C36 Aliphatics	ug/l	3810	01/15/08	CJM	150			
Unadjusted C11-C22 Aromatics	ug/l	270	01/15/08	CJM	100			
C11-C22 Aromatics	ug/l	270	01/15/08	CJM	100			
Acenaphthene	ug/l	ND	01/15/08	CJM	2.0			
Acenaphthylene	ug/l	ND	01/15/08	CJM	2.0			
Anthracene	ug/l	ND	01/15/08	CJM	2.0			
Benzo(a)anthracene	ug/l	ND	01/15/08	CJM	2.0			
Benzo(a)pyrene	ug/l	ND	01/15/08	CJM	2.0			
Benzo(b)fluoranthene	ug/l	ND	01/15/08	CJM	2.0			
Benzo(g,h,i)perylene	ug/l	ND	01/15/08	CJM	2.0			
Benzo(k)fluoranthene	ug/l	ND	01/15/08	CJM	2.0			
Chrysene	ug/l	ND	01/15/08	CJM	2.0			
Dibenzo(a,h)anthracene	ug/l	ND	01/15/08	CJM	2.0			
Fluoranthene	ug/l	ND	01/15/08	CJM	2.0			
Fluorene	ug/l	ND	01/15/08	CJM	2.0			
Indeno(1,2,3-cd)pyrene	ug/l	ND	01/15/08	CJM	2.0			
2-Methylnaphthalene	ug/l	ND	01/15/08	CJM	2.0			
Naphthalene	ug/l	ND	01/15/08	CJM	2.0			
Phenanthrene	ug/l	ND	01/15/08	CJM	2.0			
Pyrene	ug/l	ND	01/15/08	CJM	2.0			
Date Extracted EPH Water		1/11/2008	01/15/08	CJM				

Analytical Method:
MADEP-EPH-04-1

SAMPLES ARE PRESERVED TO pH < 2.0 WITH HYDROCHLORIC ACID (HCL).
SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE ACCORDING TO SW846 3510C, 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.

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Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : TANK 09
Sample ID : *08B00690
Sampled : 1/8/2008
NOT SPECIFIED
Sample Matrix: WATER OTHER

LIMS-BAT #: LIMT-12599
Job Number: 2070222A

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l	ND	01/11/08	KSH	0.050			
Barium	mg/l	0.0542	01/11/08	KSH	0.0010			
Cadmium	mg/l	0.0012	01/11/08	KSH	0.0005			
Chromium	mg/l	0.004	01/11/08	KSH	0.004			
Lead	mg/l	0.0249	01/11/08	KSH	0.0025			
Mercury	mg/l	0.00006	01/10/08	MTM	0.00004			
Selenium	mg/l	ND	01/11/08	KSH	0.05			
Silver	mg/l	ND	01/11/08	KSH	0.005			

Field Sample # : TANK 12
Sample ID : 08B00691
Sampled : 1/8/2008
NOT SPECIFIED
Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l	ND	01/11/08	KSH	0.050			
Barium	mg/l	0.0452	01/11/08	KSH	0.0010			
Cadmium	mg/l	0.0034	01/11/08	KSH	0.0005			
Chromium	mg/l	0.067	01/11/08	KSH	0.004			
Lead	mg/l	0.372	01/11/08	KSH	0.0025			
Mercury	mg/l	0.00014	01/10/08	MTM	0.00004			
Selenium	mg/l	ND	01/11/08	KSH	0.05			
Silver	mg/l	ND	01/11/08	KSH	0.005			

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Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008
Field Sample # : TANK 09
Sample ID : 08B00688
Sampled : 1/8/2008
NOT SPECIFIED
Sample Matrix: WATER OTHER

LIMS-BAT #: LIMT-12599
Job Number: 2070222A

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unadjusted C5-C8 Aliphatics	ug/l	ND	01/10/08	EH	100			
C5-C8 Aliphatics	ug/l	ND	01/10/08	EH	100			
Unadjusted C9-C12 Aliphatics	ug/l	ND	01/10/08	EH	100			
C9-C12 Aliphatics	ug/l	ND	01/10/08	EH	100			
C9-C10 Aromatics	ug/l	ND	01/10/08	EH	100			
Benzene	ug/l	ND	01/10/08	EH	1.0			
Ethyl Benzene	ug/l	ND	01/10/08	EH	1.0			
MTBE	ug/l	ND	01/10/08	EH	1.0			
Naphthalene	ug/l	ND	01/10/08	EH	10.0			
Toluene	ug/l	ND	01/10/08	EH	1.0			
m/p-Xylene	ug/l	ND	01/10/08	EH	2.0			
o-Xylene	ug/l	ND	01/10/08	EH	1.0			

Analytical Method:
MADEP-VPH-04-1.1
SAMPLES ARE 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, PERFOMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

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SPRINGFIELD, MA 01106

Purchase Order No.: 2070222

Project Location: CHAPMAN VALVE
Date Received: 1/8/2008

LIMS-BAT #: LIMT-12599
Job Number: 2070222A

The following notes were attached to the reported analysis :

Sample ID: * 08B00690
Analysis: Arsenic

THE SAMPLE DUPLICATE IS NOT REPORTED DUE TO NON DETECT SAMPLE AND DUPLICATE RESULTS.

Sample ID: * 08B00690
Analysis: Selenium

THE SAMPLE DUPLICATE IS NOT REPORTED DUE TO NON DETECT SAMPLE AND DUPLICATE RESULTS.

Sample ID: * 08B00690
Analysis: Silver

THE SAMPLE DUPLICATE IS NOT REPORTED DUE TO NON DETECT SAMPLE AND DUPLICATE RESULTS.

** 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: 1/15/2008 Lims Bat # : LIMT-12599

QC Batch Number: GC/FID-20062

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B00688					
	2-Fluorobiphenyl	Surrogate Recovery	107.9	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	100.4	%	40-140
	Chlorooctadecane	Sur. Recovery	65.9	%	40-140
	Terphenyl	Sur. Recovery	92.7	%	40-140
08B00689					
	2-Fluorobiphenyl	Surrogate Recovery	117.9	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	113.8	%	40-140
	Chlorooctadecane	Sur. Recovery	65.9	%	40-140
	Terphenyl	Sur. Recovery	101.2	%	40-140
BLANK-112171					
	Naphthalene	Blank	<2.0	ug/l	
	Acenaphthene	Blank	<2.0	ug/l	
	Acenaphthylene	Blank	<2.0	ug/l	
	Anthracene	Blank	<2.0	ug/l	
	Benzo(a)anthracene	Blank	<2.0	ug/l	
	Benzo(a)pyrene	Blank	<2.0	ug/l	
	Benzo(b)fluoranthene	Blank	<2.0	ug/l	
	Benzo(g,h,i)perylene	Blank	<2.0	ug/l	
	Chrysene	Blank	<2.0	ug/l	
	Dibenzo(a,h)anthracene	Blank	<2.0	ug/l	
	Fluoranthene	Blank	<2.0	ug/l	
	Fluorene	Blank	<2.0	ug/l	
	Indeno(1,2,3-cd)pyrene	Blank	<2.0	ug/l	
	2-Methylnaphthalene	Blank	<2.0	ug/l	
	Phenanthrene	Blank	<2.0	ug/l	
	Pyrene	Blank	<2.0	ug/l	
	Benzo(k)fluoranthene	Blank	<2.0	ug/l	
	n-Nonane	Blank	<2.0	ug/l	
	Naphthalene Aliphatic Fraction	Blank	<2.0	ug/l	
	2-Methylnaphthalene Aliphatic Fraction	Blank	<2.0	ug/l	
	Unadjusted C11-C22 Aromatics	Blank	<100.	ug/l	
	C9-C18 Aliphatics	Blank	<150.	ug/l	
	C19-C36 Aliphatics	Blank	<150.	ug/l	
	C11-C22 Aromatics	Blank	<100.	ug/l	
LFBLANK-73609					
	Naphthalene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	76.2	ug/l	
		Lab Fort Blk. % Rec.	76.2	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	80.9	ug/l	
		Dup Lab Fort Bl %Rec	80.9	%	40-140
		Lab Fort Blank Range	4.7	units	
		Lab Fort Bl. Av. Rec	78.5	%	

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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: 1/15/2008 Lims Bat # : LIMT-12599

QC Batch Number: GC/FID-20062

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-73609					
	Benzo(a)pyrene	Lab Fort Blank Range	3.2	units	
		Lab Fort Bl. Av. Rec	120.9	%	
		LFB Duplicate RPD	2.6	%	0-25
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	118.5	ug/l	
		Lab Fort Blk. % Rec.	118.5	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	121.2	ug/l	
		Dup Lab Fort Bl %Rec	121.2	%	40-140
		Lab Fort Blank Range	2.7	units	
		Lab Fort Bl. Av. Rec	119.8	%	
		LFB Duplicate RPD	2.2	%	0-25
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	117.8	ug/l	
		Lab Fort Blk. % Rec.	117.8	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	119.4	ug/l	
		Dup Lab Fort Bl %Rec	119.4	%	40-140
		Lab Fort Blank Range	1.5	units	
		Lab Fort Bl. Av. Rec	118.6	%	
		LFB Duplicate RPD	1.3	%	0-25
	Chrysene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	126.8	ug/l	
		Lab Fort Blk. % Rec.	126.8	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	129.9	ug/l	
		Dup Lab Fort Bl %Rec	129.9	%	40-140
		Lab Fort Blank Range	3.0	units	
		Lab Fort Bl. Av. Rec	128.3	%	
		LFB Duplicate RPD	2.3	%	0-25
	Dibenzo(a,h)anthracene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	119.4	ug/l	
		Lab Fort Blk. % Rec.	119.4	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	120.9	ug/l	
		Dup Lab Fort Bl %Rec	120.9	%	40-140
		Lab Fort Blank Range	1.4	units	
		Lab Fort Bl. Av. Rec	120.1	%	
		LFB Duplicate RPD	1.2	%	0-25
	Fluoranthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	119.4	ug/l	
		Lab Fort Blk. % Rec.	119.4	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	

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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: 1/15/2008 Lims Bat # : LIMT-12599

QC Batch Number: GC/FID-20062

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-73609					
	Pyrene	Lab Fort Blk. % Rec.	123.8	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	127.1	ug/l	
		Dup Lab Fort Bl %Rec	127.1	%	40-140
		Lab Fort Blank Range	3.3	units	
		Lab Fort Bl. Av. Rec	125.4	%	
		LFB Duplicate RPD	2.6	%	0-25
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	122.2	ug/l	
		Lab Fort Blk. % Rec.	122.2	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	125.3	ug/l	
		Dup Lab Fort Bl %Rec	125.3	%	40-140
		Lab Fort Blank Range	3.1	units	
		Lab Fort Bl. Av. Rec	123.8	%	
		LFB Duplicate RPD	2.5	%	0-25
	n-Nonane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	30.3	ug/l	
		Lab Fort Blk. % Rec.	30.3	%	30-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	34.4	ug/l	
		Dup Lab Fort Bl %Rec	34.4	%	30-140
		Lab Fort Blank Range	4.0	units	
		Lab Fort Bl. Av. Rec	32.4	%	
		LFB Duplicate RPD	12.6	%	
	Naphthalene Aliphatic Fraction	Lab Fort Blank Amt.	76.2	ug/l	
		Lab Fort Blk. Found	0.0	ug/l	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	81.0	ug/l	
		Dup Lab Fort Bl. Fnd	0.0	ug/l	
		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.	88.6	ug/l	
		Lab Fort Blk. Found	0.0	ug/l	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	94.6	ug/l	
		Dup Lab Fort Bl. Fnd	0.0	ug/l	
		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.	1700.0	ug/l	
		Lab Fort Blk. Found	1828.2	ug/l	

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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

QC Batch Number: GC/FID-20070

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B00688					
	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	112.0	%	70-130
08B00689					
	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	123.0	%	70-130
BLANK-112203					
	C5-C8 Aliphatics	Blank	<100.	ug/l	
	C9-C12 Aliphatics	Blank	<100.	ug/l	
	Unadjusted C5-C8 Aliphatics	Blank	<100.	ug/l	
	Unadjusted C9-C12 Aliphatics	Blank	<100.	ug/l	
LFBLANK-73643					
	Nonane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	86.9	ug/l	
		Lab Fort Blk. % Rec.	86.9	%	30-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	85.6	ug/l	
		Dup Lab Fort Bl %Rec	85.6	%	30-130
		Lab Fort Blank Range	1.3	units	
		Lab Fort Bl. Av. Rec	86.2	%	
		LFB Duplicate RPD	1.5	%	0-25
	Pentane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	105.0	ug/l	
		Lab Fort Blk. % Rec.	105.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	100.0	ug/l	
		Dup Lab Fort Bl %Rec	100.0	%	70-130
		Lab Fort Blank Range	5.0	units	
		Lab Fort Bl. Av. Rec	102.5	%	
		LFB Duplicate RPD	4.8	%	0-25
	2-Methylpentane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	113.0	ug/l	
		Lab Fort Blk. % Rec.	113.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	108.0	ug/l	
		Dup Lab Fort Bl %Rec	108.0	%	70-130
		Lab Fort Blank Range	4.9	units	
		Lab Fort Bl. Av. Rec	110.5	%	
		LFB Duplicate RPD	4.5	%	0-25
	2,2,4-Trimethylpentane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	123.0	ug/l	
		Lab Fort Blk. % Rec.	123.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	118.0	ug/l	
		Dup Lab Fort Bl %Rec	118.0	%	70-130
		Lab Fort Blank Range	5.0	units	

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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: 1/15/2008 Lims Bat # : LIMT-12599

QC Batch Number: GC/PID-8454

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B00688					
	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	113.2	%	70-130
08B00689					
	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	122.5	%	70-130
BLANK-112197					
	Benzene	Blank	<1.0	ug/l	
	Ethyl Benzene	Blank	<1.0	ug/l	
	Naphthalene	Blank	<10.0	ug/l	
	Toluene	Blank	<1.0	ug/l	
	o-Xylene	Blank	<1.0	ug/l	
	m/p-Xylene	Blank	<2.0	ug/l	
	C9-C10 Aromatics	Blank	<100.	ug/l	
	MTBE	Blank	<1.0	ug/l	
LFBLANK-73636					
	Benzene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	114.0	ug/l	
		Lab Fort Blk. % Rec.	114.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	112.0	ug/l	
		Dup Lab Fort Bl %Rec	112.0	%	70-130
		Lab Fort Blank Range	1.9	units	
		Lab Fort Bl. Av. Rec	113.0	%	
		LFB Duplicate RPD	1.7	%	0-25
	Ethyl Benzene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	105.0	ug/l	
		Lab Fort Blk. % Rec.	105.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	103.0	ug/l	
		Dup Lab Fort Bl %Rec	103.0	%	70-130
		Lab Fort Blank Range	2.0	units	
		Lab Fort Bl. Av. Rec	104.0	%	
		LFB Duplicate RPD	1.9	%	0-25
	Naphthalene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	98.2	ug/l	
		Lab Fort Blk. % Rec.	98.2	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	95.6	ug/l	
		Dup Lab Fort Bl %Rec	95.6	%	70-130
		Lab Fort Blank Range	2.6	units	
		Lab Fort Bl. Av. Rec	96.9	%	
		LFB Duplicate RPD	2.6	%	0-25
	Toluene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	108.0	ug/l	
		Lab Fort Blk. % Rec.	108.0	%	70-130

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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

QC Batch Number: GCMS/VOL-18625

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B00690					
	1,2-Dichloroethane-d4	Surrogate Recovery	101.7	%	70-130
	Toluene-d8	Surrogate Recovery	100.0	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.1	%	70-130
08B00691					
	1,2-Dichloroethane-d4	Surrogate Recovery	105.2	%	70-130
	Toluene-d8	Surrogate Recovery	100.0	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.8	%	70-130
BLANK-111979					
	Acetone	Blank	<50.0	ug/l	
	Benzene	Blank	<1.0	ug/l	
	Carbon Tetrachloride	Blank	<1.0	ug/l	
	Chloroform	Blank	<2.0	ug/l	
	1,2-Dichloroethane	Blank	<1.0	ug/l	
	1,4-Dichlorobenzene	Blank	<1.0	ug/l	
	Ethyl Benzene	Blank	<1.0	ug/l	
	2-Butanone (MEK)	Blank	<20.0	ug/l	
	MIBK	Blank	<10.0	ug/l	
	Naphthalene	Blank	<2.0	ug/l	
	Styrene	Blank	<1.0	ug/l	
	Tetrachloroethylene	Blank	<1.0	ug/l	
	Toluene	Blank	<1.0	ug/l	
	1,1,1-Trichloroethane	Blank	<1.0	ug/l	
	Trichloroethylene	Blank	<1.0	ug/l	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<5.0	ug/l	
	Trichlorofluoromethane	Blank	<2.0	ug/l	
	o-Xylene	Blank	<1.0	ug/l	
	m + p Xylene	Blank	<2.0	ug/l	
	1,2-Dichlorobenzene	Blank	<1.0	ug/l	
	1,3-Dichlorobenzene	Blank	<1.0	ug/l	
	1,1-Dichloroethane	Blank	<1.0	ug/l	
	1,1-Dichloroethylene	Blank	<1.0	ug/l	
	1,4-Dioxane	Blank	<50.0	ug/l	
	MTBE	Blank	<1.0	ug/l	
	trans-1,2-Dichloroethylene	Blank	<1.0	ug/l	
	Vinyl Chloride	Blank	<2.0	ug/l	
	Methylene Chloride	Blank	<5.0	ug/l	
	Chlorobenzene	Blank	<1.0	ug/l	
	Chloromethane	Blank	<2.0	ug/l	
	Bromomethane	Blank	<2.0	ug/l	
	Chloroethane	Blank	<2.0	ug/l	
	cis-1,3-Dichloropropene	Blank	<0.5	ug/l	
	trans-1,3-Dichloropropene	Blank	<0.5	ug/l	
	Chlorodibromomethane	Blank	<0.5	ug/l	

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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: 1/15/2008 Lims Bat # : LIMT-12599

QC Batch Number: GCMS/VOL-18625

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-73423					
	Acetone	Lab Fort Blk. % Rec.	142.1	%	70-160
	Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.8	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.3	ug/l	
		Lab Fort Blk. % Rec.	103.4	%	70-130
	Chloroform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.5	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.0	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.1	%	70-130
	Ethyl Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.3	%	70-130
	2-Butanone (MEK)	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	13.8	ug/l	
		Lab Fort Blk. % Rec.	138.0	%	40-160
	MIBK	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	18.2	ug/l	
		Lab Fort Blk. % Rec.	182.7	%	70-160
	Naphthalene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	14.7	ug/l	
		Lab Fort Blk. % Rec.	147.0	%	40-130
	Styrene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.2	ug/l	
		Lab Fort Blk. % Rec.	112.5	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.6	%	70-160
	Toluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.0	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.9	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.2	%	70-130

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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: 1/15/2008 Lims Bat # : LIMT-12599

QC Batch Number: GCMS/VOL-18625

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-73423					
	Chloromethane	Lab Fort Blk. Found	8.3	ug/l	
		Lab Fort Blk. % Rec.	83.0	%	40-160
	Bromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	13.2	ug/l	
		Lab Fort Blk. % Rec.	132.6	%	40-160
	Chloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.0	ug/l	
		Lab Fort Blk. % Rec.	80.0	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.1	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.4	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.1	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.5	%	70-130
	Bromoform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.6	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.3	ug/l	
		Lab Fort Blk. % Rec.	113.7	%	70-130
	2-Chlorotoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.2	ug/l	
		Lab Fort Blk. % Rec.	112.4	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.2	%	70-130
	Isopropylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.3	ug/l	
		Lab Fort Blk. % Rec.	113.0	%	70-130
	p-Isopropyltoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.0	ug/l	
		Lab Fort Blk. % Rec.	110.9	%	70-130
	n-Propylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.0	ug/l	
		Lab Fort Blk. % Rec.	110.5	%	70-130
	sec-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.3	ug/l	

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BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/15/2008 Lims Bat # : LIMT-12599

QC Batch Number: GCMS/VOL-18625

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-73423					
	n-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.3	ug/l	
		Lab Fort Blk. % Rec.	113.6	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.9	ug/l	
		Lab Fort Blk. % Rec.	69.4	%	40-160
	Bromochloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.3	%	70-130
	Bromobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.0	%	70-130
	Acrylonitrile	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	14.8	ug/l	
		Lab Fort Blk. % Rec.	148.6	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.7	ug/l	
		Lab Fort Blk. % Rec.	87.0	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	14.4	ug/l	
		Lab Fort Blk. % Rec.	144.8	%	70-160
	trans-1,4-Dichloro-2-Butene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.0	ug/l	
		Lab Fort Blk. % Rec.	110.5	%	70-130
	Diethyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.1	ug/l	
		Lab Fort Blk. % Rec.	91.5	%	70-130
	Bromodichloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.9	%	70-130
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.1	ug/l	
		Lab Fort Blk. % Rec.	111.2	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	10.00	ug/l	
		Lab Fort Blk. Found	10.42	ug/l	
		Lab Fort Blk. % Rec.	104.20	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.9	ug/l	
		Lab Fort Blk. % Rec.	109.9	%	70-130
	tert-Butyl Alcohol	Lab Fort Blank Amt.	50.0	ug/l	
		Lab Fort Blk. Found	57.5	ug/l	
		Lab Fort Blk. % Rec.	115.1	%	40-160
	Diisopropyl Ether	Lab Fort Blank Amt.	10.0	ug/l	

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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

QC Batch Number: HG-8460

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-111980					
	Mercury	Blank	<0.00004	mg/l	
LFBLANK-73424					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l	
		Lab Fort Blk. Found	0.00204	mg/l	
		Lab Fort Blk. % Rec.	102.00000	%	85-115

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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: 1/15/2008 Lims Bat # : LIMT-12599

QC Batch Number: ICP-18177

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-112022					
	Barium	Blank	<0.0010	mg/l	
	Cadmium	Blank	<0.0005	mg/l	
	Chromium	Blank	<0.004	mg/l	
	Lead	Blank	<0.0025	mg/l	
	Selenium	Blank	<0.05	mg/l	
LFBLANK-73457					
	Silver	Lab Fort Blank Amt.	2.000	mg/l	
		Lab Fort Blk. Found	1.854	mg/l	
		Lab Fort Blk. % Rec.	92.715	%	
	Arsenic	Lab Fort Blank Amt.	2.000	mg/l	
		Lab Fort Blk. Found	1.965	mg/l	
		Lab Fort Blk. % Rec.	98.270	%	85-115
	Barium	Lab Fort Blank Amt.	2.0000	mg/l	
		Lab Fort Blk. Found	2.0738	mg/l	
		Lab Fort Blk. % Rec.	103.6900	%	85-115
	Cadmium	Lab Fort Blank Amt.	2.0000	mg/l	
		Lab Fort Blk. Found	1.9127	mg/l	
		Lab Fort Blk. % Rec.	95.6350	%	85-115
	Chromium	Lab Fort Blank Amt.	2.000	mg/l	
		Lab Fort Blk. Found	2.034	mg/l	
		Lab Fort Blk. % Rec.	101.715	%	85-115
	Lead	Lab Fort Blank Amt.	2.0000	mg/l	
		Lab Fort Blk. Found	1.8641	mg/l	
		Lab Fort Blk. % Rec.	93.2050	%	85-115
	Selenium	Lab Fort Blank Amt.	2.00	mg/l	
		Lab Fort Blk. Found	1.80	mg/l	
		Lab Fort Blk. % Rec.	90.32	%	85-115

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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

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

CON-TEST ANALYTICAL LABORATORY
39 Spruce Street
East Longmeadow, MA 01028-0591

Frac. Check Gilson Fractionator (FCS)

Silica Lot: S212-30 Vendor: PHENOMENEX
Frac Check Lot: 011108 PG Amount of DCM collected: 5000 ul
Hexane Lot: 47260 Amount of Hexane collected: 1500 ul
DCM Lot: 47025
Acetone Lot: 47142 Data File: 011108 B094.D

Compound	Conc.(ppm)	1500ul	% REC	Limits
Naphthalene	50	45.751	92%	40-140
2-Methylnaphthalene	50	48.651	97%	40-140
Acenaphthalene	50	50.349	101%	40-140
Acenaphthene	50	53.679	107%	40-140
Fluorene	50	51.826	104%	40-140
Phenanthrene	50	52.794	106%	40-140
Anthracene	50	54.092	108%	40-140
o-Terphenyl (surr)	50	52.405	105%	40-140
Fluoranthene	50	54.298	109%	40-140
Pyrene	50	56.261	113%	40-140
Benzo(a)anthracene	50	55.150	110%	40-140
Chrysene	50	57.052	114%	40-140
Benzo(b)fluoranthene	50	53.352	107%	40-140
Benzo(k)fluoranthene	50	54.925	110%	40-140
Benzo(a)pyrene	50	54.374	109%	40-140
Indeno(123cd)pyrene	50	50.507	101%	40-140
Dibenzo(ah)anthracene	50	53.554	107%	40-140
Benzo(ghi)perylene	50	53.082	106%	40-140
C9	50	41.93	84%	30-140
C10	50	45.18	90%	40-140
C12	50	49.38	99%	40-140
C14	50	49.80	100%	40-140
C16	50	52.06	104%	40-140
C18	50	52.24	104%	40-140
C19	50	53.06	106%	40-140
C20	50	53.66	107%	40-140
1-Chloro-octadecane (surr)	50	42.55	85%	40-140
C22	50	51.86	104%	40-140
C24	50	54.36	109%	40-140
C26	50	50.60	101%	40-140
C28	50	48.38	97%	40-140
C30	50	48.79	98%	40-140
C36	50	51.44	103%	40-140
Fractionation Surrogates				
2-Flourobiphenyl	50	58.780	118%	40-140
2-Bromonaphthalene	50	54.218	108%	40-140
Aliphatic Bleed thru			% (<5%)	
Naphthalene	0		0.000	
2-Methylnaphthalene	0		0.000	

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39 Spruce Street
East Longmeadow, MA
Phone: 1-413-525-2332
Fax: 1-413-525-6405

SAMPLE RECEIPT CHECKLIST

CLIENT NAME: Associated Building Wreckers

RECEIVED BY: CEC DATE: 11/8/08

1. Was chain of custody relinquished and signed? (YES) NO
2. Does Chain agree with samples? (YES) NO

If not, explain:

3. All Samples in good condition? (YES) NO

If not, explain:

4. Were samples received in compliance with Temperature 0-6 degrees C? (YES) NO

Degrees by temp blank_____
Degrees by temp gun 3.0°

5. Are there any dissolved samples for the lab to filter? YES (NO)

Who was notified?_____ Date:_____ Time:_____

6. Are there any on hold samples? YES (NO) STORED WHERE:

7. Are there any short holding time samples and who was notified?_____ Date:_____ Time_____

8. Location where samples are stored: IC

CONTAINERS SENT IN TO CON-TEST	# of container
1 liter amber	6
500 ml amber	
250 ml amber (8oz. Amber)	
1 liter plastic	
500 ml plastic	
250 ml plastic	2
40 ml vial—which kind—list below	4
Colisure bottle	
Dissolved oxygen bottle	
Flashpoint bottle	

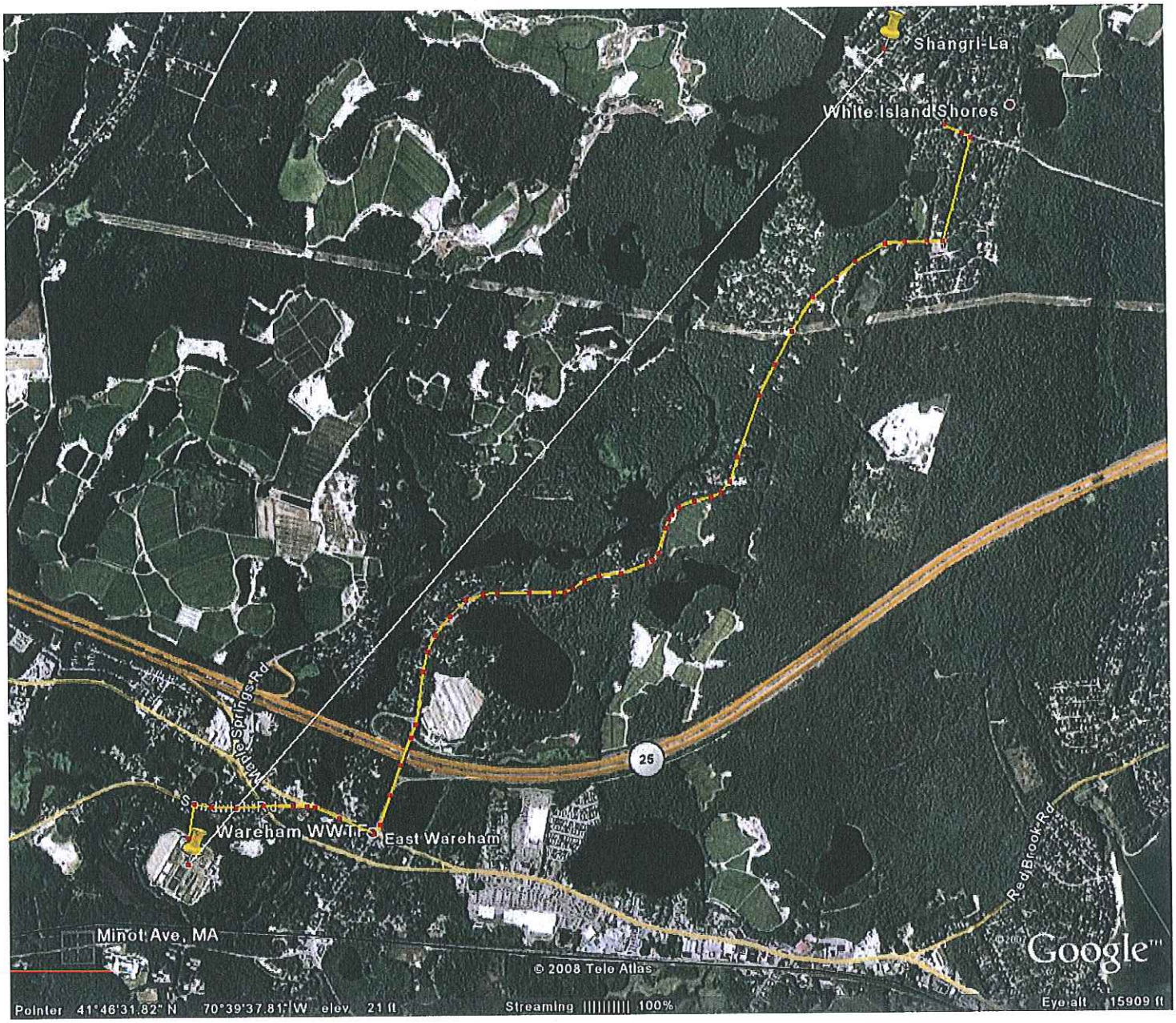
CONTAINERS SENT TO CON-TEST	# of containers
Air Cassettes	
8 oz clear jar	
4 oz clear jar	
2 oz clear jar	
Plastic bag	
Encore	
Brass Sleeves	
Tubes	
Summa cans	
Other	

Laboratory comments:

# of HCL Vial 4 # of Methanol vials_____ # of Sodium Bisulfate vials_____

# of DI water(to be frozen) vials_____ Time and Date when frozen_____

Do all the samples have the correct pH levels? YES NO If no, please explain above


Shangri-La
White Island Shores
Weeks Springs Rd
25
Wareham WWTF
East Wareham
Minot Ave, MA
Red Brook Rd
© 2008 Tele Atlas
Google™
Pointer 41°46'31.82" N 70°39'37.81" W elev 21 ft
Streaming 100%
Eye alt 15909 ft

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REPORT DATE 5/30/2008

WESTON & SAMPSON ENGINEERS MA
5 CENTENNIAL DRIVE
PEABODY, MA 01960
ATTN: JOHN FIGURELLI

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-16227
JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

PROJECT LOCATION: CHAPMAN VALVE

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	SUBCONTRACT LAB (IF ANY)
GW-BASEMENT	08B18592	GRND WATER	Not Specified	eph - water 04	
GW-BASEMENT	08B18592	GRND WATER	Not Specified	metals(13pp) h2o	
GW-BASEMENT	08B18592	GRND WATER	Not Specified	sb 6020 npw	
GW-BASEMENT	08B18592	GRND WATER	Not Specified	vph - water 04	
GW-BASEMENT	08B18593	GRND WATER	Not Specified	8082 water	
GW-BASEMENT	08B18593	GRND WATER	Not Specified	8260 water	
GW-BASEMENT	08B18593	GRND WATER	Not Specified	fog 1664	
GW-BASEMENT	08B18593	GRND WATER	Not Specified	metals(13)dis ct	
GW-BASEMENT	08B18593	GRND WATER	Not Specified	pah - low water	
GW-BASEMENT	08B18593	GRND WATER	Not Specified	ph	
GW-BASEMENT	08B18593	GRND WATER	Not Specified	sb 6020 diss npw	
TRIP BLANK	08B18594	WATER OTHE	Not Specified	8260 water	

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REPORT DATE 5/30/2008

WESTON & SAMPSON ENGINEERS MA
5 CENTENNIAL DRIVE
PEABODY, MA 01960
ATTN: JOHN FIGURELLI

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-16227
JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.
LISTED BELOW: NONE REQUESTED

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 SAMPLES WERE RECEIVED DIRECTLY FROM THE FIELD AT AMBIENT TEMPERATURE.

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: LABORATORY FORTIFIED BLANK AND LABORATORY FORTIFIED BLANK DUPLICATE RECOVERIES WERE OUTSIDE CONTROL LIMITS FOR NONANE. LOW BIAS IS ANTICIPATED FOR ANY REPORTED RESULT IN THE C9-C18 ALIPHATIC RANGE. LABORATORY FORTIFIED BLANK DUPLICATE RPD IS OUTSIDE CONTROL LIMITS FOR 2-METHYLNAPHTHALENE AND THE C9-C18 ALIPHATIC RANGE. REDUCED PRECISION IS ANTICIPATED FOR ANY REPORTED RESULT FOR THIS COMPOUND AND RANGE.
EITHER LABORATORY FORTIFIED BLANK OR DUPLICATE RECOVERY IS OUTSIDE CONTROL LIMITS, BUT THE OTHER IS WITHIN LIMITS FOR THE C9-C18 ALIPHATIC RANGE. ANALYSIS IS IN CONTROL.

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: NONE REQUESTED

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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REPORT DATE 2/12/2008

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-13241
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 VALVE

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
EAST SIDE WALL	08B03741	SOIL	NOT SPECIFIED	eph - solid 04
EAST SIDE WALL	08B03741	SOIL	NOT SPECIFIED	solids eph/vph
EAST SIDE WALL	08B03741	SOIL	NOT SPECIFIED	vph - solid 04
NORTH SIDE WALL	08B03740	SOIL	NOT SPECIFIED	eph - solid 04
NORTH SIDE WALL	08B03740	SOIL	NOT SPECIFIED	solids eph/vph
NORTH SIDE WALL	08B03740	SOIL	NOT SPECIFIED	vph - solid 04
PIT BOTTOM	08B03742	SOIL	NOT SPECIFIED	eph - solid 04
PIT BOTTOM	08B03742	SOIL	NOT SPECIFIED	solids eph/vph
PIT BOTTOM	08B03742	SOIL	NOT SPECIFIED	vph - solid 04
UST 4 EAST SW	08B03743	SOIL	NOT SPECIFIED	eph - solid 04
UST 4 EAST SW	08B03743	SOIL	NOT SPECIFIED	solids eph/vph
UST 4 EAST SW	08B03743	SOIL	NOT SPECIFIED	vph - solid 04
WEST SIDE WALL	08B03739	SOIL	NOT SPECIFIED	eph - solid 04
WEST SIDE WALL	08B03739	SOIL	NOT SPECIFIED	solids eph/vph
WEST SIDE WALL	08B03739	SOIL	NOT SPECIFIED	vph - solid 04

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REPORT DATE 2/12/2008

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352 ALBANY STREET
SPRINGFIELD, MA 01106
ATTN: FRED VANDERHOOF

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 2070222

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-13241
JOB NUMBER: 2070222A

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

METHOD UNLESS LISTED BELOW: NONE EXCEEDED

ALL VPH SAMPLES WERE RECEIVED PRESERVED PROPERLY (WATER SAMPLES pH <2; SOIL SAMPLES IN METHANOL WITH A SOIL/METHANOL RATIO OF 1:1 +/- 25% COMPLETELY COVERED BY METHANOL) IN THE PROPER CONTAINERS AT 4° C. +/- 2° AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS SPECIFIED BELOW: ALL PROPERLY PRESERVED

THE VPH METHOD BLANK WAS FOUND NOT TO BE CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

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

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

LABORATORY CONTROL SAMPLE RECOVERIES, LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES, AND LCS DUPLICATE RPDs FOR ALL VPH COMPONENT STANDARD COMPOUNDS WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

ALL VPH SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: FOR SAMPLE 08B03740, SURROGATE RECOVERY IS OUTSIDE CONTROL LIMITS. REANALYSIS IS NOT REQUIRED SINCE SAMPLE IS "NOT DETECTED" AND BIAS IS HIGH.

VPH 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: NONE REQUESTED

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

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)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Sondra L. Slesinski 02/12/08
SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Assurance Officer

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample

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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 # : EAST 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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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 # : NORTH 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.

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352 ALBANY STREET
SPRINGFIELD, MA 01106

Purchase Order No.: 2070222

Project Location: SPRINGFIELD, MA. CHAPMAN VALVE
Date Received: 2/5/2008
Field Sample # : PIT BOTTOM

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.

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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 # : UST 4 EAST SW

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.

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