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

REPORT DATE 3/19/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23888
JOB NUMBER: 115058 TASK 44

PROJECT LOCATION: NEW BEDFORD, MA.

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
MW-WFC13	09B07469	GRND WATER	Not Specified	6010 lo h2o mcp	
MW-WFC13	09B07469	GRND WATER	Not Specified	8082 water	
MW-WFC13	09B07469	GRND WATER	Not Specified	8270 bn water de	
MW-WFC13	09B07469	GRND WATER	Not Specified	hg h2o mcp	
MW-WFC13	09B07470	GRND WATER	Not Specified	eph water 04notg	

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ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23888
JOB NUMBER: 115058 TASK 44

Comments :

LIMS BATCH NO. : LIMT-23888

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 6010, the low level calibration check is outside control limits for Zinc. Reported results for this element at or near the reporting limit may be bias on the high side.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846-6010 - ADDITIONAL DETAILS

A duplicate and matrix spike were performed on sample 09B07469.
The sample duplicate is not reported for all elements but Zn, due to non detect sample and duplicate results.

METHOD SW846-7000 FURNACE AA ADDITIONAL DETAILS
7041 - Antimony, 7841 - Thallium

A duplicate, matrix spike and post spike performed on sample 09B07469.
The sample duplicate is not reported for all elements due to non detect sample and duplicate results.

METHOD SW846 8082 - ADDITIONAL DETAILS

PCB QC Surrogate recoveries

BLANK-130621

Column #1
Tetrachloro-m-xylene: 60.8%
Decachlorobiphenyl: 105%

Column #2
Tetrachloro-m-xylene: 66.7%
Decachlorobiphenyl: 108 %

LFBLANK-92825	LFB	LFB DUPLICATE
Column #1		
Tetrachloro-m-xylene:	108%	99.1%
Decachlorobiphenyl:	117%	109%
Column #2		
Tetrachloro-m-xylene:	113%	101%

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ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

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ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23888
JOB NUMBER: 115058 TASK 44

Decachlorobiphenyl:	108%	109%

Sample #09B07469

Confirmation column

Tetrachloro-m-xylene	66.4%
Decachlorobiphenyl	59.7%

Matrix Spike Sample 09B07469	MS	MS DUPLICATE
Column #1		
Tetrachloro-m-xylene:	73.4%	74.9%
Decachlorobiphenyl:	32.1%	35.7%
Column #2		
Tetrachloro-m-xylene:	66.8%	66.4%
Decachlorobiphenyl:	33.3%	37.2%

METHOD SW846 8270 - ADDITIONAL DETAILS

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative.

Difficult analytes for water LCS - limits between 10 and 150% depending on the compound (see QC summary report for limits): dimethylphthalate, bis(2-chloroisopropyl)ether, 4-nitrophenol, and phenol.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for "difficult analytes" where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative.

Difficult analytes for water RPDs: aniline, benzo(a,h)anthracene, dimethylphthalte, hexachloroethane, indeno(1,2,3-cd)pyrene, 2,4-dinitrophenol, 4-nitrophenol, 2,4,6-trichlorophenol, and pentachlorophenol.

All 8270 surrogate standard recoveries were within control limits specified by the method unless listed below: None outside of control limits

8270 QC SURROGATE RECOVERIES

BLANK-130724

NITROBENZENE-D5:	92%
2-FLUOROBIPHENYL:	82%
TERPHENYL-D14:	93%

LFBLANK-92922	LFB	LFB DUPLICATE
NITROBENZENE-D5:	100%	99%
2-FLUOROBIPHENYL:	89%	85%
TERPHENYL-D14:	104%	96%

MATRIX SPIKE-09B07469	MS	MSD

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ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23888
JOB NUMBER: 115058 TASK 44

NITROBENZENE-D5:	82%	74%
2-FLUOROBIPHENYL:	71%	74%
TERPHENYL-D14:	80%	76%

All analyte list compounds were reported for method 8270 unless listed below:
Only PAH compounds and Dibenzofuran were requested and reported.

Matrix spike and matrix spike duplicate was requested and reported on sample 09B07469.

METHOD SW846 7470/7471A - ADDITIONAL DETAILS

Sample duplicate and matrix spike performed on sample 09B07469. Sample duplicate not reported due to non-detect sample and duplicate results.

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

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.

Target compounds are subtracted from the C11-C22 aromatic range but not from the unadjusted C11-C22 aromatic range.
Only the Carbon Ranges were requested and reported.

All EPH surrogate standard recoveries were within control limits specified by the method unless listed below:
None outside of control limits

EPH QC Surrogate Recoveries

BLANK-130748

2-Fluorobiphenyl:	96.0%
2-Bromonaphthalene:	95.8%
1-Chlorooctadecane:	85.2%
o-Terphenyl:	98.5%

LFBLANK-92949	LFB	LFB Duplicate
2-Fluorobiphenyl:	96.0%	94.1%
2-Bromonaphthalene	98.6%	96.1%
1-Chlorooctadecane:	81.1%	76.3%
o-Terphenyl:	98.2%	96.8%

Matrix spike sample 09B07470	MS	MS Duplicate
2-Fluorobiphenyl:	96.2%	90.8%
2-Bromonaphthelene:	97.0%	91.8%
1-Chlorooctadecane:	74.9%	68.7%
o-Terphenyl:	97.1%	93.0%

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

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 3/19/2009

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ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23888
JOB NUMBER: 115058 TASK 44

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

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 3/19/09

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

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

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LOWELL, MA 01852

3/19/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/11/2009
Field Sample # : MW-WFC13

LIMS-BAT #: LIMT-23888
Job Number: 115058 TASK 44

Sample ID : *09B07469

‡Sampled : 3/11/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/l	ND	03/16/09	AMP	0.0015			
Arsenic	mg/l	ND	03/18/09	OP	0.005			
Barium	mg/l	ND	03/18/09	OP	0.0500			
Beryllium	mg/l	ND	03/18/09	OP	0.0020			
Cadmium	mg/l	ND	03/18/09	OP	0.0025			
Chromium	mg/l	ND	03/18/09	OP	0.005			
Lead	mg/l	ND	03/18/09	OP	0.0075			
Nickel	mg/l	ND	03/18/09	OP	0.005			
Selenium	mg/l	ND	03/18/09	OP	0.03			
Silver	mg/l	ND	03/18/09	OP	0.003			
Thallium	mg/l	ND	03/16/09	AMP	0.0005			
Vanadium	mg/l	ND	03/18/09	OP	0.025			
Zinc	mg/l	0.042	03/18/09	OP	0.010			

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LOWELL, MA 01852

3/19/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/11/2009

LIMS-BAT #: LIMT-23888
Job Number: 115058 TASK 44

Analytical Method: Antimony
SM 3113 B SB/SW846 7041
SAMPLES ARE DIGESTED WITH NITRIC ACID AND ANALYZED BY GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROPHOTOEMTRY.

Analytical Method: Arsenic
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Barium
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Beryllium
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Cadmium
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Chromium
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Lead
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Nickel
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Selenium
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Silver
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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3/19/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/11/2009

LIMS-BAT #: LIMT-23888
Job Number: 115058 TASK 44

Analytical Method: Thallium
EPA 200.9/SW846 7841
GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROSCOPY

Analytical Method: Vanadium
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

Analytical Method: Zinc
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

3/19/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/11/2009
Field Sample # : MW-WFC13

LIMS-BAT #: LIMT-23888
Job Number: 115058 TASK 44

Sample ID : 09B07469

‡Sampled : 3/11/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
PCB 1016	ug/l	ND	03/13/09	JMR	0.20			
PCB-1221	ug/l	ND	03/13/09	JMR	0.20			
PCB-1232	ug/l	ND	03/13/09	JMR	0.20			
PCB-1242	ug/l	ND	03/13/09	JMR	0.20			
PCB-1248	ug/l	ND	03/13/09	JMR	0.20			
PCB-1254	ug/l	ND	03/13/09	JMR	0.20			
PCB-1260	ug/l	ND	03/13/09	JMR	0.20			
PCB 1262	ug/l	ND	03/13/09	JMR	0.20			
PCB 1268	ug/l	ND	03/13/09	JMR	0.20			
Extraction Date 608/8081/8082		3/12/2009	03/13/09	JMR				

Analytical Method:
SW846 8082
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY LIQUID/LIQUID EXTRACTION METHOD SW846 3510C, SOLVENT EXCHANGED WITH HEXANE, CONCENTRATED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE METHODS, AND ANALYZED BY GAS CHROMATOGRAPHY WITH ELECTRON CAPTURE DETECTION.

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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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650 SUFFOLK STREET
LOWELL, MA 01852

3/19/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/11/2009
Field Sample # : MW-WFC13

LIMS-BAT #: LIMT-23888
Job Number: 115058 TASK 44

Sample ID : 09B07469

‡Sampled : 3/11/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	ug/l	ND	03/12/09	BGL	5.00			
Acenaphthylene	ug/l	ND	03/12/09	BGL	5.00			
Anthracene	ug/l	ND	03/12/09	BGL	6.00			
Benzo(a)anthracene	ug/l	ND	03/12/09	BGL	5.00			
Benzo(a)pyrene	ug/l	ND	03/12/09	BGL	5.00			
Benzo(b)fluoranthene	ug/l	ND	03/12/09	BGL	5.00			
Benzo(g,h,i)perylene	ug/l	ND	03/12/09	BGL	5.00			
Benzo(k)fluoranthene	ug/l	ND	03/12/09	BGL	5.00			
Chrysene	ug/l	ND	03/12/09	BGL	5.00			
Dibenzofuran	ug/l	ND	03/12/09	BGL	10.0			
Dibenz(a,h)anthracene	ug/l	ND	03/12/09	BGL	5.40			
Fluoranthene	ug/l	ND	03/12/09	BGL	5.00			
Fluorene	ug/l	ND	03/12/09	BGL	5.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	03/12/09	BGL	5.00			
2-Methylnaphthalene	ug/l	ND	03/12/09	BGL	5.00			
Naphthalene	ug/l	ND	03/12/09	BGL	5.00			
Phenanthrene	ug/l	ND	03/12/09	BGL	5.00			
Pyrene	ug/l	ND	03/12/09	BGL	5.00			
Extraction Date 625/8270		03/16/2009	03/12/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY LIQUID/LIQUID EXTRACTION METHOD 3510 C, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS.

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3/19/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/11/2009
Field Sample # : MW-WFC13

LIMS-BAT #: LIMT-23888
Job Number: 115058 TASK 44

Sample ID : 09B07470

‡Sampled : 3/11/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	ug/l	ND	03/16/09	CJM	150			
C19-C36 Aliphatics	ug/l	ND	03/16/09	CJM	150			
Unadjusted C11-C22 Aromatics	ug/l	ND	03/16/09	CJM	100			
C11-C22 Aromatics	ug/l	ND	03/16/09	CJM	100			
Date Extracted EPH Water		3/15/2009	03/16/09	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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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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3/19/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/11/2009
Field Sample # : MW-WFC13

LIMS-BAT #: LIMT-23888
Job Number: 115058 TASK 44

Sample ID : 09B07469

‡Sampled : 3/11/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/l	ND	03/18/09	KM	0.00010			

Analytical Method:
SW846 7470
COLD VAPOR TECHNIQUE (FLAMELESS ABSORPTION AT 254 NM)

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3/19/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/11/2009

LIMS-BAT #: LIMT-23888
Job Number: 115058 TASK 44

The following notes were attached to the reported analysis :

Sample ID: * 09B07469
Analysis: Antimony

Post spike recovery = 99.8%

Sample ID: * 09B07469
Analysis: Thallium

Post spike recovery = 87.8%

** 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: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GC/ECD-12197

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07469					
	PCB-1260	Sample Amount	<0.20	ug/l	
		Matrix Spk Amt Added	0.50	ug/l	
		MS Amt Measured	0.34	ug/l	
		Matrix Spike % Rec.	69.80	%	40-140
		MSD Amount Added	0.50	ug/l	
		MSD Amt Measured	0.36	ug/l	
		MSD % Recovery	73.59	%	
		MSD Range	3.80	units	
		MS Duplicate RPD	5.29	%	0-50
	Decachlorobiphenyl	Surrogate Recovery	57.4	%	30-150
	PCB 1016	Sample Amount	<0.20	ug/l	
		Matrix Spk Amt Added	0.50	ug/l	
		MS Amt Measured	0.44	ug/l	
		Matrix Spike % Rec.	89.40	%	40-140
		MSD Amount Added	0.50	ug/l	
		MSD Amt Measured	0.47	ug/l	
		MSD % Recovery	95.40	%	
		MSD Range	5.99	units	
		MS Duplicate RPD	6.49	%	0-50
	Tetrachloro-m-Xylene	Surrogate Recovery	64.2	%	30-150
BLANK-130621					
	PCB-1232	Blank	<0.20	ug/l	
	PCB-1242	Blank	<0.20	ug/l	
	PCB-1254	Blank	<0.20	ug/l	
	PCB-1260	Blank	<0.20	ug/l	
	PCB-1248	Blank	<0.20	ug/l	
	PCB-1221	Blank	<0.20	ug/l	
	PCB 1016	Blank	<0.20	ug/l	
	PCB 1262	Blank	<0.20	ug/l	
	PCB 1268	Blank	<0.20	ug/l	
LFBLANK-92825					
	PCB-1260	Lab Fort Blank Amt.	0.50	ug/l	
		Lab Fort Blk. Found	0.56	ug/l	
		Lab Fort Blk. % Rec.	112.80	%	40-140
		Dup Lab Fort Bl Amt.	0.50	ug/l	
		Dup Lab Fort Bl. Fnd	0.55	ug/l	
		Dup Lab Fort Bl %Rec	110.20	%	
		Lab Fort Blank Range	2.60	units	
		Lab Fort Bl. Av. Rec	111.50	%	
		LFB Duplicate RPD	2.33	%	0-20
	PCB 1016	Lab Fort Blank Amt.	0.50	ug/l	
		Lab Fort Blk. Found	0.54	ug/l	
		Lab Fort Blk. % Rec.	109.40	%	40-140

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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: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GC/ECD-12197

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92825					
	PCB 1016	Dup Lab Fort Bl Amt.	0.50	ug/l	
		Dup Lab Fort Bl. Fnd	0.47	ug/l	
		Dup Lab Fort Bl %Rec	95.40	%	
		Lab Fort Blank Range	14.00	units	
		Lab Fort Bl. Av. Rec	102.40	%	
		LFB Duplicate RPD	13.67	%	0-20

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QC SUMMARY REPORT

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Method Blanks

Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GC/FID-23279

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07470					
	Naphthalene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	66.4	ug/l	
		Matrix Spike % Rec.	66.4	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	65.8	ug/l	
		MSD % Recovery	65.8	%	40-140
		MSD Range	0.5	units	
		MS Duplicate RPD	0.8	%	
	Acenaphthene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	82.2	ug/l	
		Matrix Spike % Rec.	82.2	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	79.0	ug/l	
		MSD % Recovery	79.0	%	40-140
		MSD Range	3.1	units	
		MS Duplicate RPD	3.9	%	
	Acenaphthylene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	83.1	ug/l	
		Matrix Spike % Rec.	83.1	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	80.0	ug/l	
		MSD % Recovery	80.0	%	40-140
		MSD Range	3.0	units	
		MS Duplicate RPD	3.7	%	
	Anthracene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	93.2	ug/l	
		Matrix Spike % Rec.	93.2	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	90.1	ug/l	
		MSD % Recovery	90.1	%	40-140
		MSD Range	3.0	units	
		MS Duplicate RPD	3.3	%	
	Benzo(a)anthracene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	91.0	ug/l	
		Matrix Spike % Rec.	91.0	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	88.1	ug/l	
		MSD % Recovery	88.1	%	40-140

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QC SUMMARY REPORT

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Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GC/FID-23279

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07470					
	Benzo(a)anthracene	MSD Range	2.8	units	
		MS Duplicate RPD	3.2	%	
	Benzo(a)pyrene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	93.3	ug/l	
		Matrix Spike % Rec.	93.3	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	89.6	ug/l	
		MSD % Recovery	89.6	%	40-140
		MSD Range	3.7	units	
		MS Duplicate RPD	4.0	%	
	Benzo(b)fluoranthene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	97.6	ug/l	
		Matrix Spike % Rec.	97.6	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	93.8	ug/l	
		MSD % Recovery	93.8	%	40-140
		MSD Range	3.7	units	
		MS Duplicate RPD	3.9	%	
	Benzo(g,h,i)perylene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	95.2	ug/l	
		Matrix Spike % Rec.	95.2	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	91.7	ug/l	
		MSD % Recovery	91.7	%	40-140
		MSD Range	3.4	units	
		MS Duplicate RPD	3.7	%	
	Chrysene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	96.7	ug/l	
		Matrix Spike % Rec.	96.7	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	93.5	ug/l	
		MSD % Recovery	93.5	%	40-140
		MSD Range	3.2	units	
		MS Duplicate RPD	3.3	%	
	Dibenzo(a,h)anthracene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	94.3	ug/l	
		Matrix Spike % Rec.	94.3	%	40-140
		MSD Amount Added	100.0	ug/l	

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QC SUMMARY REPORT

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

Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GC/FID-23279

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07470					
	Dibenzo(a,h)anthracene	MSD Amt Measured	90.9	ug/l	
		MSD % Recovery	90.9	%	40-140
		MSD Range	3.4	units	
		MS Duplicate RPD	3.6	%	
	Fluoranthene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	92.4	ug/l	
		Matrix Spike % Rec.	92.4	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	89.8	ug/l	
		MSD % Recovery	89.8	%	40-140
		MSD Range	2.5	units	
		MS Duplicate RPD	2.8	%	
	Fluorene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	86.4	ug/l	
		Matrix Spike % Rec.	86.4	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	82.5	ug/l	
		MSD % Recovery	82.5	%	40-140
		MSD Range	3.8	units	
		MS Duplicate RPD	4.5	%	
	Indeno(1,2,3-cd)pyrene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	93.1	ug/l	
		Matrix Spike % Rec.	93.1	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	89.3	ug/l	
		MSD % Recovery	89.3	%	40-140
		MSD Range	3.8	units	
		MS Duplicate RPD	4.1	%	
	2-Methylnaphthalene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	75.0	ug/l	
		Matrix Spike % Rec.	75.0	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	73.5	ug/l	
		MSD % Recovery	73.5	%	40-140
		MSD Range	1.5	units	
		MS Duplicate RPD	2.1	%	
	Phenanthrene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	88.6	ug/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GC/FID-23279

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07470					
	Phenanthrene	Matrix Spike % Rec.	88.6	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	85.5	ug/l	
		MSD % Recovery	85.5	%	40-140
		MSD Range	3.0	units	
		MS Duplicate RPD	3.5	%	
	Pyrene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	96.1	ug/l	
		Matrix Spike % Rec.	96.1	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	93.5	ug/l	
		MSD % Recovery	93.5	%	40-140
		MSD Range	2.5	units	
		MS Duplicate RPD	2.7	%	
	Benzo(k)fluoranthene	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	95.7	ug/l	
		Matrix Spike % Rec.	95.7	%	40-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	91.9	ug/l	
		MSD % Recovery	91.9	%	40-140
		MSD Range	3.8	units	
		MS Duplicate RPD	4.1	%	
	2-Fluorobiphenyl	Surrogate Recovery	89.7	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	78.8	%	40-140
	n-Nonane	Sample Amount	<2.0	ug/l	
		Matrix Spk Amt Added	100.0	ug/l	
		MS Amt Measured	34.5	ug/l	
		Matrix Spike % Rec.	34.5	%	30-140
		MSD Amount Added	100.0	ug/l	
		MSD Amt Measured	39.0	ug/l	
		MSD % Recovery	39.0	%	30-140
		MSD Range	4.5	units	
		MS Duplicate RPD	12.3	%	
	Unadjusted C11-C22 Aromatics	Sample Amount	<100.	ug/l	
		Matrix Spk Amt Added	1700.0	ug/l	
		MS Amt Measured	1615.6	ug/l	
		Matrix Spike % Rec.	95.0	%	40-140
		MSD Amount Added	1700.0	ug/l	
		MSD Amt Measured	1567.2	ug/l	
		MSD % Recovery	92.1	%	40-140
		MSD Range	2.8	units	

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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GC/FID-23279

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07470					
	Unadjusted C11-C22 Aromatics	MS Duplicate RPD	3.0	%	
	Chlorooctadecane	Sur. Recovery	62.9	%	40-140
	C9-C18 Aliphatics	Sample Amount	<150.	ug/l	
		Matrix Spk Amt Added	600.0	ug/l	
		MS Amt Measured	434.6	ug/l	
		Matrix Spike % Rec.	72.4	%	40-140
		MSD Amount Added	600.0	ug/l	
		MSD Amt Measured	454.3	ug/l	
		MSD % Recovery	75.7	%	40-140
		MSD Range	3.2	units	
		MS Duplicate RPD	4.4	%	
	C19-C36 Aliphatics	Sample Amount	<150.	ug/l	
		Matrix Spk Amt Added	800.0	ug/l	
		MS Amt Measured	779.8	ug/l	
		Matrix Spike % Rec.	97.4	%	40-140
		MSD Amount Added	800.0	ug/l	
		MSD Amt Measured	797.0	ug/l	
		MSD % Recovery	99.6	%	40-140
		MSD Range	2.1	units	
		MS Duplicate RPD	2.1	%	
	Terphenyl	Sur. Recovery	89.6	%	40-140
BLANK-130748					
	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	

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QC SUMMARY REPORT

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Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GC/FID-23279

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130748					
	C9-C18 Aliphatics	Blank	<150.	ug/l	
	C19-C36 Aliphatics	Blank	<150.	ug/l	
	C11-C22 Aromatics	Blank	<100.	ug/l	
LFBLANK-92949					
	Naphthalene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	75.4	ug/l	
		Lab Fort Blk. % Rec.	75.4	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	74.5	ug/l	
		Dup Lab Fort Bl %Rec	74.5	%	40-140
		Lab Fort Blank Range	0.9	units	
		Lab Fort Bl. Av. Rec	74.9	%	
		LFB Duplicate RPD	1.2	%	0-25
	Acenaphthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	88.8	ug/l	
		Lab Fort Blk. % Rec.	88.8	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	88.3	ug/l	
		Dup Lab Fort Bl %Rec	88.3	%	40-140
		Lab Fort Blank Range	0.5	units	
		Lab Fort Bl. Av. Rec	88.6	%	
		LFB Duplicate RPD	0.5	%	0-25
	Acenaphthylene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	89.2	ug/l	
		Lab Fort Blk. % Rec.	89.2	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	89.4	ug/l	
		Dup Lab Fort Bl %Rec	89.4	%	40-140
		Lab Fort Blank Range	0.1	units	
		Lab Fort Bl. Av. Rec	89.3	%	
		LFB Duplicate RPD	0.1	%	0-25
	Anthracene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	97.3	ug/l	
		Lab Fort Blk. % Rec.	97.3	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	97.5	ug/l	
		Dup Lab Fort Bl %Rec	97.5	%	40-140
		Lab Fort Blank Range	0.1	units	
		Lab Fort Bl. Av. Rec	97.4	%	
		LFB Duplicate RPD	0.1	%	0-25
	Benzo(a)anthracene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	95.6	ug/l	
		Lab Fort Blk. % Rec.	95.6	%	40-140

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Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GC/FID-23279

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92949					
	Benzo(a)anthracene	Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	94.5	ug/l	
		Dup Lab Fort Bl %Rec	94.5	%	40-140
		Lab Fort Blank Range	1.1	units	
		Lab Fort Bl. Av. Rec	95.1	%	
		LFB Duplicate RPD	1.1	%	0-25
	Benzo(a)pyrene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	97.7	ug/l	
		Lab Fort Blk. % Rec.	97.7	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	96.4	ug/l	
		Dup Lab Fort Bl %Rec	96.4	%	40-140
		Lab Fort Blank Range	1.3	units	
		Lab Fort Bl. Av. Rec	97.1	%	
		LFB Duplicate RPD	1.4	%	0-25
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	103.0	ug/l	
		Lab Fort Blk. % Rec.	103.0	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	100.9	ug/l	
		Dup Lab Fort Bl %Rec	100.9	%	40-140
		Lab Fort Blank Range	2.0	units	
		Lab Fort Bl. Av. Rec	102.0	%	
		LFB Duplicate RPD	2.0	%	0-25
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	99.6	ug/l	
		Lab Fort Blk. % Rec.	99.6	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	98.7	ug/l	
		Dup Lab Fort Bl %Rec	98.7	%	40-140
		Lab Fort Blank Range	0.9	units	
		Lab Fort Bl. Av. Rec	99.2	%	
		LFB Duplicate RPD	0.9	%	0-25
	Chrysene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	101.5	ug/l	
		Lab Fort Blk. % Rec.	101.5	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	100.3	ug/l	
		Dup Lab Fort Bl %Rec	100.3	%	40-140
		Lab Fort Blank Range	1.1	units	
		Lab Fort Bl. Av. Rec	100.9	%	
		LFB Duplicate RPD	1.1	%	0-25
	Dibenzo(a,h)anthracene	Lab Fort Blank Amt.	100.0	ug/l	

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Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GC/FID-23279

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92949					
	Dibenzo(a,h)anthracene	Lab Fort Blk. Found	98.5	ug/l	
		Lab Fort Blk. % Rec.	98.5	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	97.4	ug/l	
		Dup Lab Fort Bl %Rec	97.4	%	40-140
		Lab Fort Blank Range	1.1	units	
		Lab Fort Bl. Av. Rec	97.9	%	
		LFB Duplicate RPD	1.1	%	0-25
	Fluoranthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	96.5	ug/l	
		Lab Fort Blk. % Rec.	96.5	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	96.6	ug/l	
		Dup Lab Fort Bl %Rec	96.6	%	40-140
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	96.5	%	
		LFB Duplicate RPD	0.0	%	0-25
	Fluorene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	91.8	ug/l	
		Lab Fort Blk. % Rec.	91.8	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	92.2	ug/l	
		Dup Lab Fort Bl %Rec	92.2	%	40-140
		Lab Fort Blank Range	0.3	units	
		Lab Fort Bl. Av. Rec	92.0	%	
		LFB Duplicate RPD	0.3	%	0-25
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	97.2	ug/l	
		Lab Fort Blk. % Rec.	97.2	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	96.2	ug/l	
		Dup Lab Fort Bl %Rec	96.2	%	40-140
		Lab Fort Blank Range	0.9	units	
		Lab Fort Bl. Av. Rec	96.7	%	
		LFB Duplicate RPD	0.9	%	0-25
	2-Methylnaphthalene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	82.9	ug/l	
		Lab Fort Blk. % Rec.	82.9	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	82.1	ug/l	
		Dup Lab Fort Bl %Rec	82.1	%	40-140
		Lab Fort Blank Range	0.8	units	
		Lab Fort Bl. Av. Rec	82.5	%	

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

Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GC/FID-23279

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92949					
	2-Methylnaphthalene	LFB Duplicate RPD	1.0	%	0-25
	Phenanthrene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	92.4	ug/l	
		Lab Fort Blk. % Rec.	92.4	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	92.6	ug/l	
		Dup Lab Fort Bl %Rec	92.6	%	40-140
		Lab Fort Blank Range	0.2	units	
		Lab Fort Bl. Av. Rec	92.5	%	
		LFB Duplicate RPD	0.2	%	0-25
	Pyrene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	100.5	ug/l	
		Lab Fort Blk. % Rec.	100.5	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	100.5	ug/l	
		Dup Lab Fort Bl %Rec	100.5	%	40-140
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	100.5	%	
		LFB Duplicate RPD	0.0	%	0-25
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	100.0	ug/l	
		Lab Fort Blk. % Rec.	100.0	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	98.8	ug/l	
		Dup Lab Fort Bl %Rec	98.8	%	40-140
		Lab Fort Blank Range	1.2	units	
		Lab Fort Bl. Av. Rec	99.4	%	
		LFB Duplicate RPD	1.2	%	0-25
	n-Nonane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	47.8	ug/l	
		Lab Fort Blk. % Rec.	47.8	%	30-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	46.2	ug/l	
		Dup Lab Fort Bl %Rec	46.2	%	30-140
		Lab Fort Blank Range	1.5	units	
		Lab Fort Bl. Av. Rec	47.0	%	
		LFB Duplicate RPD	3.3	%	
	Naphthalene Aliphatic Fraction	Lab Fort Blank Amt.	75.4	ug/l	
		Lab Fort Blk. Found	0.0	ug/l	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	74.6	ug/l	
		Dup Lab Fort Bl. Fnd	0.0	ug/l	
		Dup Lab Fort Bl %Rec	0.0	%	0-5

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Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GC/FID-23279

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92949					
	Naphthalene Aliphatic Fraction	Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	0.0	%	
	2-Methylnaphthalene Aliphatic Fraction	Lab Fort Blank Amt.	83.0	ug/l	
		Lab Fort Blk. Found	0.0	ug/l	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	82.2	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	1725.9	ug/l	
		Lab Fort Blk. % Rec.	101.5	%	40-140
		Dup Lab Fort Bl Amt.	1700.0	ug/l	
		Dup Lab Fort Bl. Fnd	1703.8	ug/l	
		Dup Lab Fort Bl %Rec	100.2	%	40-140
		Lab Fort Blank Range	1.3	units	
		Lab Fort Bl. Av. Rec	100.8	%	
		LFB Duplicate RPD	1.2	%	0-25
	C9-C18 Aliphatics	Lab Fort Blank Amt.	600.0	ug/l	
		Lab Fort Blk. Found	495.0	ug/l	
		Lab Fort Blk. % Rec.	82.5	%	40-140
		Dup Lab Fort Bl Amt.	600.0	ug/l	
		Dup Lab Fort Bl. Fnd	479.4	ug/l	
		Dup Lab Fort Bl %Rec	79.9	%	40-140
		Lab Fort Blank Range	2.5	units	
		Lab Fort Bl. Av. Rec	81.2	%	
		LFB Duplicate RPD	3.1	%	0-25
	C19-C36 Aliphatics	Lab Fort Blank Amt.	800.0	ug/l	
		Lab Fort Blk. Found	857.2	ug/l	
		Lab Fort Blk. % Rec.	107.1	%	40-140
		Dup Lab Fort Bl Amt.	800.0	ug/l	
		Dup Lab Fort Bl. Fnd	825.5	ug/l	
		Dup Lab Fort Bl %Rec	103.1	%	40-140
		Lab Fort Blank Range	3.9	units	
		Lab Fort Bl. Av. Rec	105.1	%	
		LFB Duplicate RPD	3.7	%	0-25

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QC Batch Number: GCMS/SEMI-12037

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07469					
	Naphthalene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	56.00	ug/l	
		Matrix Spike % Rec.	56.00	%	40-140
		MSD Amount Added	100.00	ug/l	
		MSD Amt Measured	62.00	ug/l	
		MSD % Recovery	62.00	%	
		MSD Range	5.99	units	
		MS Duplicate RPD	10.16	%	0-20
	Acenaphthene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	61.00	ug/l	
		Matrix Spike % Rec.	61.00	%	40-140
		MSD Amount Added	100.00	ug/l	
		MSD Amt Measured	67.00	ug/l	
		MSD % Recovery	67.00	%	
		MSD Range	6.00	units	
		MS Duplicate RPD	9.37	%	0-20
	Acenaphthylene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	60.00	ug/l	
		Matrix Spike % Rec.	60.00	%	40-140
		MSD Amount Added	100.00	ug/l	
		MSD Amt Measured	66.00	ug/l	
		MSD % Recovery	66.00	%	
		MSD Range	6.00	units	
		MS Duplicate RPD	9.52	%	0-20
	Anthracene	Sample Amount	<6.00	ug/l	
		Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	70.00	ug/l	
		Matrix Spike % Rec.	70.00	%	40-140
		MSD Amount Added	100.00	ug/l	
		MSD Amt Measured	75.00	ug/l	
		MSD % Recovery	75.00	%	
		MSD Range	5.00	units	
		MS Duplicate RPD	6.89	%	0-20
	Benzo(a)anthracene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.000	ug/l	
		MS Amt Measured	70.000	ug/l	
		Matrix Spike % Rec.	70.000	%	40-140
		MSD Amount Added	100.000	ug/l	
		MSD Amt Measured	75.000	ug/l	
		MSD % Recovery	75.000	%	

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QC Batch Number: GCMS/SEMI-12037

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07469					
	Benzo(a)anthracene	MSD Range	5.000	units	
		MS Duplicate RPD	6.896	%	0-20
	Benzo(a)pyrene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.000	ug/l	
		MS Amt Measured	76.000	ug/l	
		Matrix Spike % Rec.	76.000	%	40-140
		MSD Amount Added	100.000	ug/l	
		MSD Amt Measured	81.000	ug/l	
		MSD % Recovery	81.000	%	
		MSD Range	5.000	units	
		MS Duplicate RPD	6.369	%	0-20
	Benzo(b)fluoranthene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.000	ug/l	
		MS Amt Measured	69.000	ug/l	
		Matrix Spike % Rec.	69.000	%	40-140
		MSD Amount Added	100.000	ug/l	
		MSD Amt Measured	74.000	ug/l	
		MSD % Recovery	74.000	%	
		MSD Range	5.000	units	
		MS Duplicate RPD	6.993	%	0-20
	Benzo(g,h,i)perylene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.000	ug/l	
		MS Amt Measured	66.000	ug/l	
		Matrix Spike % Rec.	66.000	%	40-140
		MSD Amount Added	100.000	ug/l	
		MSD Amt Measured	71.000	ug/l	
		MSD % Recovery	71.000	%	
		MSD Range	4.999	units	
		MS Duplicate RPD	7.299	%	0-20
	Chrysene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	76.00	ug/l	
		Matrix Spike % Rec.	76.00	%	40-140
		MSD Amount Added	100.00	ug/l	
		MSD Amt Measured	82.00	ug/l	
		MSD % Recovery	82.00	%	
		MSD Range	5.99	units	
		MS Duplicate RPD	7.59	%	0-20
	Dibenz(a,h)anthracene	Sample Amount	<5.40	ug/l	
		Matrix Spk Amt Added	100.000	ug/l	
		MS Amt Measured	76.000	ug/l	
		Matrix Spike % Rec.	76.000	%	40-140
		MSD Amount Added	100.000	ug/l	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07469					
	Dibenz(a,h)anthracene	MSD Amt Measured	82.000	ug/l	
		MSD % Recovery	82.000	%	
		MSD Range	5.999	units	
		MS Duplicate RPD	7.594	%	0-20
	Dibenzofuran	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	69.00	ug/l	
		Matrix Spike % Rec.	69.00	%	40-140
		MSD Amount Added	100.00	ug/l	
		MSD Amt Measured	74.00	ug/l	
		MSD % Recovery	74.00	%	
		MSD Range	5.00	units	
		MS Duplicate RPD	6.99	%	0-20
	Fluoranthene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	69.00	ug/l	
		Matrix Spike % Rec.	69.00	%	40-140
		MSD Amount Added	100.00	ug/l	
		MSD Amt Measured	74.00	ug/l	
		MSD % Recovery	74.00	%	
		MSD Range	5.00	units	
		MS Duplicate RPD	6.99	%	0-20
	Fluorene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	68.00	ug/l	
		Matrix Spike % Rec.	68.00	%	40-140
		MSD Amount Added	100.00	ug/l	
		MSD Amt Measured	73.00	ug/l	
		MSD % Recovery	73.00	%	
		MSD Range	4.99	units	
		MS Duplicate RPD	7.09	%	0-20
	Indeno(1,2,3-cd)pyrene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.000	ug/l	
		MS Amt Measured	72.000	ug/l	
		Matrix Spike % Rec.	72.000	%	40-140
		MSD Amount Added	100.000	ug/l	
		MSD Amt Measured	78.000	ug/l	
		MSD % Recovery	78.000	%	
		MSD Range	6.000	units	
		MS Duplicate RPD	8.000	%	0-20
	2-Methylnaphthalene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	55.00	ug/l	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07469					
	2-Methylnaphthalene	Matrix Spike % Rec.	55.00	%	40-140
		MSD Amount Added	100.00	ug/l	
		MSD Amt Measured	59.00	ug/l	
		MSD % Recovery	59.00	%	
		MSD Range	3.99	units	
		MS Duplicate RPD	7.01	%	0-20
	Phenanthrene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	71.00	ug/l	
		Matrix Spike % Rec.	71.00	%	40-140
		MSD Amount Added	100.00	ug/l	
		MSD Amt Measured	75.00	ug/l	
		MSD % Recovery	75.00	%	
		MSD Range	4.00	units	
		MS Duplicate RPD	5.47	%	0-20
	Pyrene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.00	ug/l	
		MS Amt Measured	74.00	ug/l	
		Matrix Spike % Rec.	74.00	%	40-140
		MSD Amount Added	100.00	ug/l	
		MSD Amt Measured	79.00	ug/l	
		MSD % Recovery	79.00	%	
		MSD Range	5.00	units	
		MS Duplicate RPD	6.53	%	0-20
	Benzo(k)fluoranthene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	100.000	ug/l	
		MS Amt Measured	78.000	ug/l	
		Matrix Spike % Rec.	78.000	%	40-140
		MSD Amount Added	100.000	ug/l	
		MSD Amt Measured	85.000	ug/l	
		MSD % Recovery	85.000	%	
		MSD Range	6.999	units	
		MS Duplicate RPD	8.588	%	0-20
	Nitrobenzene-d5	Surrogate Recovery	97.8	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	86.6	%	30-130
	Terphenyl-d14	Surrogate Recovery	112.4	%	30-130
BLANK-130724					
	Naphthalene	Blank	<5.00	ug/l	
	Acenaphthene	Blank	<5.00	ug/l	
	Acenaphthylene	Blank	<5.00	ug/l	
	Anthracene	Blank	<6.00	ug/l	
	Benzo(a)anthracene	Blank	<5.00	ug/l	
	Benzo(a)pyrene	Blank	<5.00	ug/l	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130724					
	Benzo(b)fluoranthene	Blank	<5.00	ug/l	
	Benzo(g,h,i)perylene	Blank	<5.00	ug/l	
	Chrysene	Blank	<5.00	ug/l	
	Dibenz(a,h)anthracene	Blank	<5.40	ug/l	
	Dibenzofuran	Blank	<10.0	ug/l	
	Fluoranthene	Blank	<5.00	ug/l	
	Fluorene	Blank	<5.00	ug/l	
	Indeno(1,2,3-cd)pyrene	Blank	<5.00	ug/l	
	2-Methylnaphthalene	Blank	<5.00	ug/l	
	Phenanthrene	Blank	<5.00	ug/l	
	Pyrene	Blank	<5.00	ug/l	
	Benzo(k)fluoranthene	Blank	<5.00	ug/l	
LFBLANK-92922					
	Naphthalene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	72.81	ug/l	
		Lab Fort Blk. % Rec.	72.81	%	40-140
		Dup Lab Fort Bl Amt.	100.00	ug/l	
		Dup Lab Fort Bl. Fnd	74.02	ug/l	
		Dup Lab Fort Bl %Rec	74.02	%	
		Lab Fort Blank Range	1.20	units	
		Lab Fort Bl. Av. Rec	73.42	%	
		LFB Duplicate RPD	1.63	%	0-20
	Acenaphthene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	74.23	ug/l	
		Lab Fort Blk. % Rec.	74.23	%	40-140
		Dup Lab Fort Bl Amt.	100.00	ug/l	
		Dup Lab Fort Bl. Fnd	73.81	ug/l	
		Dup Lab Fort Bl %Rec	73.81	%	
		Lab Fort Blank Range	0.41	units	
		Lab Fort Bl. Av. Rec	74.02	%	
		LFB Duplicate RPD	0.56	%	0-20
	Acenaphthylene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	71.67	ug/l	
		Lab Fort Blk. % Rec.	71.67	%	40-140
		Dup Lab Fort Bl Amt.	100.00	ug/l	
		Dup Lab Fort Bl. Fnd	65.48	ug/l	
		Dup Lab Fort Bl %Rec	65.48	%	
		Lab Fort Blank Range	6.19	units	
		Lab Fort Bl. Av. Rec	68.57	%	
		LFB Duplicate RPD	9.02	%	0-20
	Anthracene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	77.97	ug/l	
		Lab Fort Blk. % Rec.	77.97	%	40-140

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LFBLANK-92922					
	Anthracene	Dup Lab Fort Bl Amt.	100.00	ug/l	
		Dup Lab Fort Bl. Fnd	73.51	ug/l	
		Dup Lab Fort Bl %Rec	73.51	%	
		Lab Fort Blank Range	4.45	units	
		Lab Fort Bl. Av. Rec	75.73	%	
		LFB Duplicate RPD	5.88	%	0-20
	Benzo(a)anthracene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	86.080	ug/l	
		Lab Fort Blk. % Rec.	86.080	%	40-140
		Dup Lab Fort Bl Amt.	100.000	ug/l	
		Dup Lab Fort Bl. Fnd	83.340	ug/l	
		Dup Lab Fort Bl %Rec	83.340	%	
		Lab Fort Blank Range	2.740	units	
		Lab Fort Bl. Av. Rec	84.710	%	
		LFB Duplicate RPD	3.234	%	0-50
	Benzo(a)pyrene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	89.810	ug/l	
		Lab Fort Blk. % Rec.	89.810	%	40-140
		Dup Lab Fort Bl Amt.	100.000	ug/l	
		Dup Lab Fort Bl. Fnd	86.040	ug/l	
		Dup Lab Fort Bl %Rec	86.040	%	
		Lab Fort Blank Range	3.770	units	
		Lab Fort Bl. Av. Rec	87.925	%	
		LFB Duplicate RPD	4.287	%	0-20
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	97.390	ug/l	
		Lab Fort Blk. % Rec.	97.390	%	40-140
		Dup Lab Fort Bl Amt.	100.000	ug/l	
		Dup Lab Fort Bl. Fnd	100.540	ug/l	
		Dup Lab Fort Bl %Rec	100.540	%	
		Lab Fort Blank Range	3.149	units	
		Lab Fort Bl. Av. Rec	98.965	%	
		LFB Duplicate RPD	3.182	%	0-20
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	80.440	ug/l	
		Lab Fort Blk. % Rec.	80.440	%	40-140
		Dup Lab Fort Bl Amt.	100.000	ug/l	
		Dup Lab Fort Bl. Fnd	78.070	ug/l	
		Dup Lab Fort Bl %Rec	78.070	%	
		Lab Fort Blank Range	2.369	units	
		Lab Fort Bl. Av. Rec	79.255	%	
		LFB Duplicate RPD	2.990	%	0-20
	Chrysene	Lab Fort Blank Amt.	100.00	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: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GCMS/SEMI-12037

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92922					
	Chrysene	Lab Fort Blk. Found	84.82	ug/l	
		Lab Fort Blk. % Rec.	84.82	%	40-140
		Dup Lab Fort Bl Amt.	100.00	ug/l	
		Dup Lab Fort Bl. Fnd	82.10	ug/l	
		Dup Lab Fort Bl %Rec	82.10	%	
		Lab Fort Blank Range	2.72	units	
		Lab Fort Bl. Av. Rec	83.46	%	
		LFB Duplicate RPD	3.25	%	0-20
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	89.450	ug/l	
		Lab Fort Blk. % Rec.	89.450	%	40-140
		Dup Lab Fort Bl Amt.	100.000	ug/l	
		Dup Lab Fort Bl. Fnd	87.920	ug/l	
		Dup Lab Fort Bl %Rec	87.920	%	
		Lab Fort Blank Range	1.530	units	
		Lab Fort Bl. Av. Rec	88.685	%	
		LFB Duplicate RPD	1.725	%	0-20
	Dibenzofuran	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	85.15	ug/l	
		Lab Fort Blk. % Rec.	85.15	%	40-140
		Dup Lab Fort Bl Amt.	100.00	ug/l	
		Dup Lab Fort Bl. Fnd	82.75	ug/l	
		Dup Lab Fort Bl %Rec	82.75	%	
		Lab Fort Blank Range	2.40	units	
		Lab Fort Bl. Av. Rec	83.95	%	
		LFB Duplicate RPD	2.85	%	0-20
	Fluoranthene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	87.76	ug/l	
		Lab Fort Blk. % Rec.	87.76	%	40-140
		Dup Lab Fort Bl Amt.	100.00	ug/l	
		Dup Lab Fort Bl. Fnd	86.37	ug/l	
		Dup Lab Fort Bl %Rec	86.37	%	
		Lab Fort Blank Range	1.39	units	
		Lab Fort Bl. Av. Rec	87.06	%	
		LFB Duplicate RPD	1.59	%	0-20
	Fluorene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	82.94	ug/l	
		Lab Fort Blk. % Rec.	82.94	%	40-140
		Dup Lab Fort Bl Amt.	100.00	ug/l	
		Dup Lab Fort Bl. Fnd	80.92	ug/l	
		Dup Lab Fort Bl %Rec	80.92	%	
		Lab Fort Blank Range	2.02	units	
		Lab Fort Bl. Av. Rec	81.93	%	

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QC SUMMARY REPORT

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

Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GCMS/SEMI-12037

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92922					
	Fluorene	LFB Duplicate RPD	2.46	%	0-20
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	81.380	ug/l	
		Lab Fort Blk. % Rec.	81.380	%	40-140
		Dup Lab Fort Bl Amt.	100.000	ug/l	
		Dup Lab Fort Bl. Fnd	95.450	ug/l	
		Dup Lab Fort Bl %Rec	95.450	%	
		Lab Fort Blank Range	14.070	units	
		Lab Fort Bl. Av. Rec	88.415	%	
		LFB Duplicate RPD	15.913	%	0-50
	2-Methylnaphthalene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	72.17	ug/l	
		Lab Fort Blk. % Rec.	72.17	%	40-140
		Dup Lab Fort Bl Amt.	100.00	ug/l	
		Dup Lab Fort Bl. Fnd	72.45	ug/l	
		Dup Lab Fort Bl %Rec	72.45	%	
		Lab Fort Blank Range	0.29	units	
		Lab Fort Bl. Av. Rec	72.31	%	
		LFB Duplicate RPD	0.40	%	0-20
	Phenanthrene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	82.49	ug/l	
		Lab Fort Blk. % Rec.	82.49	%	40-140
		Dup Lab Fort Bl Amt.	100.00	ug/l	
		Dup Lab Fort Bl. Fnd	82.35	ug/l	
		Dup Lab Fort Bl %Rec	82.35	%	
		Lab Fort Blank Range	0.14	units	
		Lab Fort Bl. Av. Rec	82.42	%	
		LFB Duplicate RPD	0.16	%	0-20
	Pyrene	Lab Fort Blank Amt.	100.00	ug/l	
		Lab Fort Blk. Found	83.22	ug/l	
		Lab Fort Blk. % Rec.	83.22	%	40-140
		Dup Lab Fort Bl Amt.	100.00	ug/l	
		Dup Lab Fort Bl. Fnd	79.29	ug/l	
		Dup Lab Fort Bl %Rec	79.29	%	
		Lab Fort Blank Range	3.93	units	
		Lab Fort Bl. Av. Rec	81.25	%	
		LFB Duplicate RPD	4.83	%	0-20
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	100.000	ug/l	
		Lab Fort Blk. Found	85.260	ug/l	
		Lab Fort Blk. % Rec.	85.260	%	40-140
		Dup Lab Fort Bl Amt.	100.000	ug/l	
		Dup Lab Fort Bl. Fnd	85.100	ug/l	
		Dup Lab Fort Bl %Rec	85.100	%	

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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: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: GCMS/SEMI-12037

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92922					
	Benzo(k)fluoranthene	Lab Fort Blank Range	0.160	units	
		Lab Fort Bl. Av. Rec	85.180	%	
		LFB Duplicate RPD	0.187	%	0-20

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Method Blanks

Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: HG-9940

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07469					
	Mercury	Sample Amount	<0.00010	mg/l	
		Matrix Spk Amt Added	0.00200	mg/l	
		MS Amt Measured	0.00190	mg/l	
		Matrix Spike % Rec.	95.20000	%	75-125
BLANK-130781					
	Mercury	Blank	<0.00010	mg/l	
LFBLANK-92982					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l	
		Lab Fort Blk. Found	0.00192	mg/l	
		Lab Fort Blk. % Rec.	96.05000	%	85-115
		Dup Lab Fort Bl Amt.	0.00200	mg/l	
		Dup Lab Fort Bl. Fnd	0.00193	mg/l	
		Dup Lab Fort Bl %Rec	96.85000	%	
		Lab Fort Blank Range	0.80000	units	
		Lab Fort Bl. Av. Rec	96.45000	%	
		LFB Duplicate RPD	0.82944	%	

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Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: HGA/AA-6683

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07469					
	Antimony	Sample Amount	<0.0015	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.5460	mg/l	
		Matrix Spike % Rec.	109.2000	%	80-120
	Thallium	Sample Amount	<0.0005	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.4186	mg/l	
		Matrix Spike % Rec.	83.7200	%	80-120
BLANK-130704					
	Antimony	Blank	<0.0015	mg/l	
	Thallium	Blank	<0.0005	mg/l	
LFBLANK-92898					
	Antimony	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5745	mg/l	
		Lab Fort Blk. % Rec.	114.9000	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5900	mg/l	
		Dup Lab Fort Bl %Rec	118.0000	%	
		Lab Fort Blank Range	3.1000	units	
		Lab Fort Bl. Av. Rec	116.4500	%	
		LFB Duplicate RPD	2.6620	%	
	Thallium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.4887	mg/l	
		Lab Fort Blk. % Rec.	97.7500	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.4637	mg/l	
		Dup Lab Fort Bl %Rec	92.7500	%	
		Lab Fort Blank Range	5.0000	units	
		Lab Fort Bl. Av. Rec	95.2500	%	
		LFB Duplicate RPD	5.2493	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
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Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: ICP-21375

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07469					
	Silver	Sample Amount	<0.003	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.492	mg/l	
		Matrix Spike % Rec.	98.450	%	
	Arsenic	Sample Amount	<0.005	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.548	mg/l	
		Matrix Spike % Rec.	109.680	%	70-130
	Barium	Sample Amount	<0.0500	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.5511	mg/l	
		Matrix Spike % Rec.	110.2200	%	70-130
	Beryllium	Sample Amount	<0.0020	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.5276	mg/l	
		Matrix Spike % Rec.	105.5200	%	70-130
	Cadmium	Sample Amount	<0.0025	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.5256	mg/l	
		Matrix Spike % Rec.	105.1200	%	70-130
	Chromium	Sample Amount	<0.005	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.527	mg/l	
		Matrix Spike % Rec.	105.570	%	70-130
	Nickel	Sample Amount	<0.005	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.515	mg/l	
		Matrix Spike % Rec.	103.150	%	70-130
	Lead	Sample Amount	<0.0075	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.5080	mg/l	
		Matrix Spike % Rec.	101.6000	%	75-125
	Selenium	Sample Amount	<0.03	mg/l	
		Matrix Spk Amt Added	0.50	mg/l	
		MS Amt Measured	0.51	mg/l	
		Matrix Spike % Rec.	103.33	%	70-130
	Vanadium	Sample Amount	<0.025	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.528	mg/l	
		Matrix Spike % Rec.	105.740	%	70-130
	Zinc	Sample Amount	0.042	mg/l	
		Duplicate Value	0.040	mg/l	
		Duplicate RPD	5.594	%	0-20

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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: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: ICP-21375

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07469					
	Zinc	Sample Amount	0.042	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.528	mg/l	
		Matrix Spike % Rec.	97.247	%	70-130
BLANK-130658					
	Silver	Blank	<0.003	mg/l	
	Arsenic	Blank	<0.005	mg/l	
	Barium	Blank	<0.0500	mg/l	
	Beryllium	Blank	<0.0020	mg/l	
	Cadmium	Blank	<0.0025	mg/l	
	Chromium	Blank	<0.005	mg/l	
	Nickel	Blank	<0.005	mg/l	
	Lead	Blank	<0.0075	mg/l	
	Selenium	Blank	<0.03	mg/l	
	Vanadium	Blank	<0.025	mg/l	
	Zinc	Blank	<0.010	mg/l	
LFBLANK-92857					
	Silver	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.487	mg/l	
		Lab Fort Blk. % Rec.	97.440	%	
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.499	mg/l	
		Dup Lab Fort Bl %Rec	99.810	%	85-115
		Lab Fort Blank Range	2.370	units	
		Lab Fort Bl. Av. Rec	98.625	%	
		LFB Duplicate RPD	2.403	%	0-20
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.538	mg/l	
		Lab Fort Blk. % Rec.	107.750	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.548	mg/l	
		Dup Lab Fort Bl %Rec	109.720	%	85-115
		Lab Fort Blank Range	1.969	units	
		Lab Fort Bl. Av. Rec	108.735	%	
		LFB Duplicate RPD	1.811	%	0-20
	Barium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5270	mg/l	
		Lab Fort Blk. % Rec.	105.4100	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5352	mg/l	
		Dup Lab Fort Bl %Rec	107.0400	%	85-115
		Lab Fort Blank Range	1.6299	units	
		Lab Fort Bl. Av. Rec	106.2250	%	

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Method Blanks

Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: ICP-21375

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92857					
	Barium	LFB Duplicate RPD	1.5344	%	0-20
	Beryllium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5180	mg/l	
		Lab Fort Blk. % Rec.	103.6000	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5251	mg/l	
		Dup Lab Fort Bl %Rec	105.0300	%	85-115
		Lab Fort Blank Range	1.4300	units	
		Lab Fort Bl. Av. Rec	104.3150	%	
		LFB Duplicate RPD	1.3708	%	0-20
	Cadmium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5241	mg/l	
		Lab Fort Blk. % Rec.	104.8300	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5317	mg/l	
		Dup Lab Fort Bl %Rec	106.3500	%	85-115
		Lab Fort Blank Range	1.5199	units	
		Lab Fort Bl. Av. Rec	105.5900	%	
		LFB Duplicate RPD	1.4395	%	0-20
	Chromium	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.517	mg/l	
		Lab Fort Blk. % Rec.	103.550	%	85-115
		Dup Lab Fort Bl Amt.	0.527	mg/l	
		Dup Lab Fort Bl. Fnd	0.532	mg/l	
		Dup Lab Fort Bl %Rec	100.795	%	85-115
		Lab Fort Blank Range	2.754	units	
		Lab Fort Bl. Av. Rec	102.172	%	
		LFB Duplicate RPD	2.724	%	0-20
	Nickel	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.514	mg/l	
		Lab Fort Blk. % Rec.	102.860	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.522	mg/l	
		Dup Lab Fort Bl %Rec	104.590	%	85-115
		Lab Fort Blank Range	1.730	units	
		Lab Fort Bl. Av. Rec	103.725	%	
		LFB Duplicate RPD	1.667	%	0-20
	Lead	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5112	mg/l	
		Lab Fort Blk. % Rec.	102.2500	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5195	mg/l	
		Dup Lab Fort Bl %Rec	103.9200	%	85-115

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QC SUMMARY REPORT

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Report Date: 3/19/2009 Lims Bat # : LIMT-23888

QC Batch Number: ICP-21375

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92857					
	Lead	Lab Fort Blank Range	1.6699	units	
		Lab Fort Bl. Av. Rec	103.0849	%	
		LFB Duplicate RPD	1.6200	%	0-20
	Selenium	Lab Fort Blank Amt.	0.50	mg/l	
		Lab Fort Blk. Found	0.50	mg/l	
		Lab Fort Blk. % Rec.	100.24	%	85-115
		Dup Lab Fort Bl Amt.	0.50	mg/l	
		Dup Lab Fort Bl. Fnd	0.51	mg/l	
		Dup Lab Fort Bl %Rec	102.24	%	85-115
		Lab Fort Blank Range	2.00	units	
		Lab Fort Bl. Av. Rec	101.24	%	
		LFB Duplicate RPD	1.97	%	0-20
	Vanadium	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.510	mg/l	
		Lab Fort Blk. % Rec.	102.090	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.519	mg/l	
		Dup Lab Fort Bl %Rec	103.970	%	85-115
		Lab Fort Blank Range	1.880	units	
		Lab Fort Bl. Av. Rec	103.030	%	
		LFB Duplicate RPD	1.824	%	0-20
	Zinc	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.519	mg/l	
		Lab Fort Blk. % Rec.	103.870	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.527	mg/l	
		Dup Lab Fort Bl %Rec	105.590	%	85-115
		Lab Fort Blank Range	1.720	units	
		Lab Fort Bl. Av. Rec	104.730	%	
		LFB Duplicate RPD	1.642	%	0-20

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NOTES:

QC Batch No. : HGA/AA-6683
Sample ID : 09B07469
Analysis : Antimony

Post spike recovery = 99.8%

QC Batch No. : HGA/AA-6683
Sample ID : 09B07469
Analysis : Thallium

Post spike recovery = 87.8%

con-test ANALYTICAL LABORATORY

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

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

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: LIMT-23888
Project Location: NEW BEDFORD, MA	MADEP RTN[1]:

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

0980 7469 – 0980 7470

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

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 (X)	8021B ( )	EPH (X)	7000 S[3] (X)	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: 3/19/09

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

Frac. Check Gilson Fractionator (FCS)

Silica Lot:	***S212-44***	Vendor:	**PHENOMENEX**
Frac Check Lot:	120408 PJG	Amount of DCM collected:	5000 uL
Hexane Lot:	48130	Amount of Hexane collected:	1800 uL
DCM Lot:	CX673		
Acetone Lot:	48268	Data File:	120408 B011/B012

Compound	Conc.(ppm)	2000ul	% REC	Limits
Naphthalene	50	46.803	94%	40-140
2-Methylnaphthalene	50	49.892	100%	40-140
Acenaphthalene	50	51.654	103%	40-140
Acenaphthene	50	50.707	101%	40-140
Fluorene	50	51.992	104%	40-140
Phenanthrene	50	51.620	103%	40-140
Anthracene	50	53.824	108%	40-140
o-Terphenyl (surr)	50	53.325	107%	40-140
Fluoranthene	50	51.318	103%	40-140
Pyrene	50	53.427	107%	40-140
Benzo(a)anthracene	50	49.693	99%	40-140
Chrysene	50	52.239	104%	40-140
Benzo(b)fluoranthene	50	51.942	104%	40-140
Benzo(k)fluoranthene	50	50.335	101%	40-140
Benzo(a)pyrene	50	49.109	98%	40-140
Indeno(123cd)pyrene	50	48.503	97%	40-140
Dibenzo(ah)anthracene	50	49.190	98%	40-140
Benzo(ghi)perylene	50	49.342	99%	40-140
C9	50	37.246	74%	30-140
C10	50	39.046	78%	40-140
C12	50	42.204	84%	40-140
C14	50	45.294	91%	40-140
C16	50	45.650	91%	40-140
C18	50	44.744	89%	40-140
C19	50	44.757	90%	40-140
C20	50	43.918	88%	40-140
1-Chloro-octadecane (surr)	50	41.800	84%	40-140
C22	50	45.928	92%	40-140
C24	50	44.108	88%	40-140
C26	50	45.847	92%	40-140
C28	50	44.466	89%	40-140
C30	50	43.350	87%	40-140
C36	50	48.193	96%	40-140
Fractionation Surrogates				
2-Flourobiphenyl	50	49.032	98%	40-140
2-Bromonaphthalene	50	49.386	99%	40-140
Aliphatic Bleed thru			% (<5%)	
Naphthalene	0		**0.000**	
2-Methylnaphthalene	0		**0.000**	

con-test® ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

Lmt # 23888

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

Company Name: TRC
Address: 650 Suffolk St
Lowell MA 01854
Attention: David Sullivan
Project Location: New Bedford MA
Sampled By: Charles Foster

Telephone: (978) 970 5600 ext 3565
Project # 115058 Task 44
Client PO #

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

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

State Form Required?
☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PAHs 8270C	PCB's	EPH Carbon Ranges	MCP Analytical Total	MCP Analytical Dissolved	# of containers	**Preservation	~Cont.Code
									6	6	6	2	2			
									I	I	H	N	N			
									A	A	A	P	P			
	MW-WFC13	07469170	03/11/09	1015		G	GW	U	6	6	6	2	2			

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

Client Comments:
Hold Dissolved Metals Pending Results of Total Metals
PAH must Report Dibenzo Furan
QC on all Products

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) Charles Foster	Date/Time: 03/11/09 1340	
Received by: (signature) [illegible]	Date/Time: 3-11-09 1340	
Relinquished by: (signature) [illegible]	Date/Time: 3-11-09 1737	
Received by: (signature) [illegible] Temp 2d	Date/Time: 3/11/09 17:39	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 5day

RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

***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

www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME: TRC MA RECEIVED BY: KO DATE: 3/11/09

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice [X] Direct from Sampling [ ] Ambient [ ] In Cooler(s) [X]

Were the samples received in Temperature Compliance of (2-6°C)? Yes No

Temperature °C by Temp blank 2°C Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____ NA

6) Are there any samples "On Hold"? Yes No Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19C

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber	18	8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic	4	Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH: Yes No N/A pH<2