con-test®
ANALYTICAL LABORATORY

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

REPORT DATE 3/17/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23819
JOB NUMBER: 115058 TASK44

PROJECT LOCATION: NEW BEDFORD, MA.

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
*MW-WFB4	09B07219	GRND WATER	Not Specified	6010 lo h2o mcp	
*MW-WFB4	09B07219	GRND WATER	Not Specified	8082 water	
*MW-WFB4	09B07219	GRND WATER	Not Specified	hg h2o mcp	
*MW-WFB4	09B07219	GRND WATER	Not Specified	pah - water	
MW-WFB4	09B07222	GRND WATER	Not Specified	eph water 04notg	
*MW-WFES	09B07220	GRND WATER	Not Specified	6010 lo h2o mcp	
*MW-WFES	09B07220	GRND WATER	Not Specified	8082 water	
*MW-WFES	09B07220	GRND WATER	Not Specified	hg h2o mcp	
*MW-WFES	09B07220	GRND WATER	Not Specified	pah - water	
MW-WFES	09B07223	GRND WATER	Not Specified	eph water 04notg	
*MW-WFFD	09B07221	GRND WATER	Not Specified	6010 lo h2o mcp	
*MW-WFFD	09B07221	GRND WATER	Not Specified	8082 water	
*MW-WFFD	09B07221	GRND WATER	Not Specified	hg h2o mcp	
*MW-WFFD	09B07221	GRND WATER	Not Specified	pah - water	
*MW-WFFD	09B07224	GRND WATER	Not Specified	eph water 04notg	

con-test®
ANALYTICAL LABORATORY

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

REPORT DATE 3/17/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23819
JOB NUMBER: 115058 TASK44

Comments :

LIMS BATCH NO. : LIMT-23819

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

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

DETAILED CASE NARRATIVE

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, dimethylphthalate, 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-130619

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

LFBLANK-130619	LFB	LFB DUPLICATE
NITROBENZENE-D5:	100%	99%
2-FLUOROBIPHENYL:	89%	85%
TERPHENYL-D14:	104%	96%

All analyte list compounds were reported for method 8270 unless listed below:

Only PAH compounds and Dibenzofuran was requested and reported.

con-test®
ANALYTICAL LABORATORY

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

REPORT DATE 3/17/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23819
JOB NUMBER: 115058 TASK44

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.
No significant modifications were made to the method.

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-130644

2-Fluorobiphenyl:	103.3%
2-Bromonaphthalene:	105.2%
1-Chlorooctadecane:	82.2%
o-Terphenyl:	92.9%

LFBLANK-92844	LFB	LFB Duplicate
2-Fluorobiphenyl:	93.0%	97.6%
2-Bromonaphthalene	94.2%	97.0%
1-Chlorooctadecane:	69.6%	73.0%
o-Terphenyl:	87.7%	92.0%

All analyte list compounds were reported for method EPH unless listed below:

Only the EPH ranges were requested and reported.

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

con-test®
ANALYTICAL LABORATORY

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

REPORT DATE 3/17/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23819
JOB NUMBER: 115058 TASK44

Tetrachloro-m-xylene:	113%	101%
Decachlorobiphenyl:	108%	109%

Sample #09B07219

Confirmation column

Tetrachloro-m-xylene	56.7%
Decachlorobiphenyl	77.1%

Sample #09B07220

Confirmation column

Tetrachloro-m-xylene	77.3%
Decachlorobiphenyl	53.2%

Sample #09B07221

Confirmation column

Tetrachloro-m-xylene	50.6%
Decachlorobiphenyl	67.9%

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)
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.

3/17/09

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

con-test® ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009
Field Sample # : MW-WFB4

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

Sample ID : 09B07219

‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/l	0.0031	03/16/09	AMP	0.0015			
Arsenic	mg/l	ND	03/16/09	OP	0.005			
Barium	mg/l	0.113	03/16/09	OP	0.0500			
Beryllium	mg/l	ND	03/16/09	OP	0.0020			
Cadmium	mg/l	ND	03/16/09	OP	0.0025			
Chromium	mg/l	ND	03/16/09	OP	0.005			
Lead	mg/l	ND	03/16/09	OP	0.0075			
Nickel	mg/l	ND	03/16/09	OP	0.005			
Selenium	mg/l	ND	03/16/09	OP	0.03			
Silver	mg/l	ND	03/16/09	OP	0.003			
Thallium	mg/l	ND	03/16/09	AMP	0.0005			
Vanadium	mg/l	ND	03/16/09	OP	0.025			
Zinc	mg/l	0.072	03/16/09	OP	0.010			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009
Field Sample # : MW-WFES

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

Sample ID : 09B07220

‡Sampled : 3/10/2009
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	0.007	03/16/09	OP	0.005			
Barium	mg/l	0.0588	03/16/09	OP	0.0500			
Beryllium	mg/l	ND	03/16/09	OP	0.0020			
Cadmium	mg/l	ND	03/16/09	OP	0.0025			
Chromium	mg/l	ND	03/16/09	OP	0.005			
Lead	mg/l	ND	03/16/09	OP	0.0075			
Nickel	mg/l	ND	03/16/09	OP	0.005			
Selenium	mg/l	ND	03/16/09	OP	0.03			
Silver	mg/l	ND	03/16/09	OP	0.003			
Thallium	mg/l	ND	03/16/09	AMP	0.0005			
Vanadium	mg/l	ND	03/16/09	OP	0.025			
Zinc	mg/l	0.147	03/16/09	OP	0.010			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009
Field Sample # : MW-WFFD

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

Sample ID : 09B07221

‡Sampled : 3/10/2009
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	0.007	03/16/09	OP	0.005			
Barium	mg/l	0.0568	03/16/09	OP	0.0500			
Beryllium	mg/l	ND	03/16/09	OP	0.0020			
Cadmium	mg/l	ND	03/16/09	OP	0.0025			
Chromium	mg/l	ND	03/16/09	OP	0.005			
Lead	mg/l	ND	03/16/09	OP	0.0075			
Nickel	mg/l	ND	03/16/09	OP	0.005			
Selenium	mg/l	ND	03/16/09	OP	0.03			
Silver	mg/l	ND	03/16/09	OP	0.003			
Thallium	mg/l	ND	03/16/09	AMP	0.0005			
Vanadium	mg/l	ND	03/16/09	OP	0.025			
Zinc	mg/l	0.143	03/16/09	OP	0.010			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

‡ = See attached chain-of-custody record for time sampled

con-test® ANALYTICAL LABORATORY

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

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

Purchase Order No.:

3/17/2009

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

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).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

‡ = See attached chain-of-custody record for time sampled

con-test® ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

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).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

Field Sample # : MW-WFB4

Sample ID : 09B07219 ‡Sampled : 3/10/2009
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				

Field Sample # : MW-WFES

Sample ID : 09B07220 ‡Sampled : 3/10/2009
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				

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009
Field Sample # : MW-WFFD

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

Sample ID : 09B07221

‡Sampled : 3/10/2009
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.

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
‡ = See attached chain-of-custody record for time sampled

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

con-test ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

Field Sample # : MW-WFB4

Sample ID : 09B07222 ‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	Hi	P/ F
C9-C18 Aliphatics	ug/l	ND	03/12/09	CJM	150			
C19-C36 Aliphatics	ug/l	ND	03/12/09	CJM	150			
Unadjusted C11-C22 Aromatics	ug/l	ND	03/12/09	CJM	100			
C11-C22 Aromatics	ug/l	ND	03/12/09	CJM	100			
Date Extracted EPH Water		3/11/2009	03/12/09	CJM				

Field Sample # : MW-WFES

Sample ID : 09B07223 ‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	Hi	P/ F
C9-C18 Aliphatics	ug/l	ND	03/12/09	CJM	150			
C19-C36 Aliphatics	ug/l	ND	03/12/09	CJM	150			
Unadjusted C11-C22 Aromatics	ug/l	ND	03/12/09	CJM	100			
C11-C22 Aromatics	ug/l	ND	03/12/09	CJM	100			
Date Extracted EPH Water		3/11/2009	03/12/09	CJM				

Field Sample # : MW-WFFD

Sample ID : 09B07224 ‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	Hi	P/ F
C9-C18 Aliphatics	ug/l	ND	03/13/09	CJM	150			
C19-C36 Aliphatics	ug/l	ND	03/13/09	CJM	150			
Unadjusted C11-C22 Aromatics	ug/l	ND	03/13/09	CJM	100			
C11-C22 Aromatics	ug/l	ND	03/13/09	CJM	100			
Date Extracted EPH Water		3/11/2009	03/13/09	CJM				

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

‡ = See attached chain-of-custody record for time sampled

con-test®
ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

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.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

‡ = See attached chain-of-custody record for time sampled

con-test® ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

Field Sample # : MW-WFB4

Sample ID : 09B07219 ‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/l	ND	03/16/09	KM	0.00010			

Field Sample # : MW-WFES

Sample ID : 09B07220 ‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/l	ND	03/16/09	KM	0.00010			

Field Sample # : MW-WFFD

Sample ID : 09B07221 ‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/l	ND	03/16/09	KM	0.00010			

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

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009
Field Sample # : MW-WFB4

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

Sample ID : *09B07219

‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	ug/l	ND	03/14/09	BGL	5.00			
Acenaphthylene	ug/l	ND	03/14/09	BGL	5.00			
Anthracene	ug/l	ND	03/14/09	BGL	6.00			
Benzo(a)anthracene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(a)pyrene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(b)fluoranthene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(g,h,i)perylene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(k)fluoranthene	ug/l	ND	03/14/09	BGL	5.00			
Chrysene	ug/l	ND	03/14/09	BGL	5.00			
Dibenz(a,h)anthracene	ug/l	ND	03/14/09	BGL	5.40			
Fluoranthene	ug/l	ND	03/14/09	BGL	5.00			
Fluorene	ug/l	ND	03/14/09	BGL	5.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	03/14/09	BGL	5.00			
2-Methylnaphthalene	ug/l	ND	03/14/09	BGL	5.00			
Naphthalene	ug/l	ND	03/14/09	BGL	5.00			
Phenanthrene	ug/l	ND	03/14/09	BGL	5.00			
Pyrene	ug/l	ND	03/14/09	BGL	5.00			
Extraction Date 625/8270		3/12/2009	03/14/09	BGL				

Analytical Method:
625/8270
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY SEPARATORY FUNNEL LIQUID/LIQUID EXTRACTION, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009
Field Sample # : MW-WFES

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

Sample ID : *09B07220

‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	ug/l	ND	03/14/09	BGL	5.00			
Acenaphthylene	ug/l	ND	03/14/09	BGL	5.00			
Anthracene	ug/l	ND	03/14/09	BGL	6.00			
Benzo(a)anthracene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(a)pyrene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(b)fluoranthene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(g,h,i)perylene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(k)fluoranthene	ug/l	ND	03/14/09	BGL	5.00			
Chrysene	ug/l	ND	03/14/09	BGL	5.00			
Dibenz(a,h)anthracene	ug/l	ND	03/14/09	BGL	5.40			
Fluoranthene	ug/l	ND	03/14/09	BGL	5.00			
Fluorene	ug/l	ND	03/14/09	BGL	5.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	03/14/09	BGL	5.00			
2-Methylnaphthalene	ug/l	ND	03/14/09	BGL	5.00			
Naphthalene	ug/l	ND	03/14/09	BGL	5.00			
Phenanthrene	ug/l	ND	03/14/09	BGL	5.00			
Pyrene	ug/l	ND	03/14/09	BGL	5.00			
Extraction Date 625/8270		3/12/2009	03/14/09	BGL				

Analytical Method:
625/8270
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY SEPARATORY FUNNEL LIQUID/LIQUID EXTRACTION, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009
Field Sample # : MW-WFFD

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

Sample ID : *09B07221

‡Sampled : 3/10/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	ug/l	ND	03/14/09	BGL	5.00			
Acenaphthylene	ug/l	ND	03/14/09	BGL	5.00			
Anthracene	ug/l	ND	03/14/09	BGL	6.00			
Benzo(a)anthracene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(a)pyrene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(b)fluoranthene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(g,h,i)perylene	ug/l	ND	03/14/09	BGL	5.00			
Benzo(k)fluoranthene	ug/l	ND	03/14/09	BGL	5.00			
Chrysene	ug/l	ND	03/14/09	BGL	5.00			
Dibenz(a,h)anthracene	ug/l	ND	03/14/09	BGL	5.40			
Fluoranthene	ug/l	ND	03/14/09	BGL	5.00			
Fluorene	ug/l	ND	03/14/09	BGL	5.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	03/14/09	BGL	5.00			
2-Methylnaphthalene	ug/l	ND	03/14/09	BGL	5.00			
Naphthalene	ug/l	ND	03/14/09	BGL	5.00			
Phenanthrene	ug/l	ND	03/14/09	BGL	5.00			
Pyrene	ug/l	ND	03/14/09	BGL	5.00			
Extraction Date 625/8270		3/12/2009	03/14/09	BGL				

Analytical Method:
625/8270
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY SEPARATORY FUNNEL LIQUID/LIQUID EXTRACTION, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

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

3/17/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA.
Date Received: 3/10/2009

LIMS-BAT #: LIMT-23819
Job Number: 115058 TASK44

The following notes were attached to the reported analysis :

Sample ID: * 09B07219
Analysis: pah - water

Sample	Dibenzofuran Result (ug/L)	RL
09B07219	N.D.	5.0
BLANK-130619	N.D.	5.0

	Dibenzofuran Recovery
LFBLANK-92823	84%
LFBLANK-92823 Dup	82%

Sample ID: * 09B07220
Analysis: pah - water

Sample	Dibenzofuran Result (ug/L)	RL
09B07220	N.D.	5.0

Sample ID: * 09B07221
Analysis: pah - water

Sample	Dibenzofuran Result (ug/L)	RL
09B07221	N.D.	5.0

** END OF REPORT **

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured
* = See end of report for comments and notes applying to this sample
‡ = See attached chain-of-custody record for time sampled

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

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: GC/ECD-12197

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07219					
	Decachlorobiphenyl	Surrogate Recovery	76.5	%	30-150
	Tetrachloro-m-Xylene	Surrogate Recovery	53.1	%	30-150
09B07220					
	Decachlorobiphenyl	Surrogate Recovery	52.5	%	30-150
	Tetrachloro-m-Xylene	Surrogate Recovery	73.4	%	30-150
09B07221					
	Decachlorobiphenyl	Surrogate Recovery	66.2	%	30-150
	Tetrachloro-m-Xylene	Surrogate Recovery	47.3	%	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
		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

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: GC/FID-23256

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07222					
	2-Fluorobiphenyl	Surrogate Recovery	97.3	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	98.4	%	40-140
	Chlorooctadecane	Sur. Recovery	73.5	%	40-140
	Terphenyl	Sur. Recovery	92.3	%	40-140
09B07223					
	2-Fluorobiphenyl	Surrogate Recovery	105.0	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	107.2	%	40-140
	Chlorooctadecane	Sur. Recovery	72.5	%	40-140
	Terphenyl	Sur. Recovery	87.5	%	40-140
09B07224					
	2-Fluorobiphenyl	Surrogate Recovery	88.8	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	86.1	%	40-140
	Chlorooctadecane	Sur. Recovery	73.8	%	40-140
	Terphenyl	Sur. Recovery	84.2	%	40-140
BLANK-130644					
	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-92844					
	Naphthalene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	60.4	ug/l	
		Lab Fort Blk. % Rec.	60.4	%	40-140

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: GC/FID-23256

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92844					
	Naphthalene	Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	65.1	ug/l	
		Dup Lab Fort Bl %Rec	65.1	%	40-140
		Lab Fort Blank Range	4.6	units	
		Lab Fort Bl. Av. Rec	62.8	%	
		LFB Duplicate RPD	7.4	%	0-25
	Acenaphthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	73.0	ug/l	
		Lab Fort Blk. % Rec.	73.0	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	77.8	ug/l	
		Dup Lab Fort Bl %Rec	77.8	%	40-140
		Lab Fort Blank Range	4.7	units	
		Lab Fort Bl. Av. Rec	75.4	%	
		LFB Duplicate RPD	6.3	%	0-25
	Acenaphthylene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	73.9	ug/l	
		Lab Fort Blk. % Rec.	73.9	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	80.2	ug/l	
		Dup Lab Fort Bl %Rec	80.2	%	40-140
		Lab Fort Blank Range	6.3	units	
		Lab Fort Bl. Av. Rec	77.1	%	
		LFB Duplicate RPD	8.1	%	0-25
	Anthracene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	88.3	ug/l	
		Lab Fort Blk. % Rec.	88.3	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	94.7	ug/l	
		Dup Lab Fort Bl %Rec	94.7	%	40-140
		Lab Fort Blank Range	6.3	units	
		Lab Fort Bl. Av. Rec	91.5	%	
		LFB Duplicate RPD	6.9	%	0-25
	Benzo(a)anthracene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	91.1	ug/l	
		Lab Fort Blk. % Rec.	91.1	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	94.0	ug/l	
		Dup Lab Fort Bl %Rec	94.0	%	40-140
		Lab Fort Blank Range	2.8	units	
		Lab Fort Bl. Av. Rec	92.5	%	
		LFB Duplicate RPD	3.0	%	0-25
	Benzo(a)pyrene	Lab Fort Blank Amt.	100.0	ug/l	

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: GC/FID-23256

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92844					
	Benzo(a)pyrene	Lab Fort Blk. Found	92.8	ug/l	
		Lab Fort Blk. % Rec.	92.8	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	95.4	ug/l	
		Dup Lab Fort Bl %Rec	95.4	%	40-140
		Lab Fort Blank Range	2.5	units	
		Lab Fort Bl. Av. Rec	94.1	%	
		LFB Duplicate RPD	2.7	%	0-25
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	97.4	ug/l	
		Lab Fort Blk. % Rec.	97.4	%	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	3.0	units	
		Lab Fort Bl. Av. Rec	99.0	%	
		LFB Duplicate RPD	3.1	%	0-25
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	94.4	ug/l	
		Lab Fort Blk. % Rec.	94.4	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	97.0	ug/l	
		Dup Lab Fort Bl %Rec	97.0	%	40-140
		Lab Fort Blank Range	2.5	units	
		Lab Fort Bl. Av. Rec	95.7	%	
		LFB Duplicate RPD	2.7	%	0-25
	Chrysene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	97.6	ug/l	
		Lab Fort Blk. % Rec.	97.6	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	100.4	ug/l	
		Dup Lab Fort Bl %Rec	100.4	%	40-140
		Lab Fort Blank Range	2.8	units	
		Lab Fort Bl. Av. Rec	99.0	%	
		LFB Duplicate RPD	2.8	%	0-25
	Dibenzo(a,h)anthracene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	94.5	ug/l	
		Lab Fort Blk. % Rec.	94.5	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	97.1	ug/l	
		Dup Lab Fort Bl %Rec	97.1	%	40-140
		Lab Fort Blank Range	2.5	units	
		Lab Fort Bl. Av. Rec	95.8	%	

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: GC/FID-23256

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92844					
	Dibenzo(a,h)anthracene	LFB Duplicate RPD	2.6	%	0-25
	Fluoranthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	90.4	ug/l	
		Lab Fort Blk. % Rec.	90.4	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	94.8	ug/l	
		Dup Lab Fort Bl %Rec	94.8	%	40-140
		Lab Fort Blank Range	4.4	units	
		Lab Fort Bl. Av. Rec	92.6	%	
		LFB Duplicate RPD	4.7	%	0-25
	Fluorene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	77.7	ug/l	
		Lab Fort Blk. % Rec.	77.7	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	83.6	ug/l	
		Dup Lab Fort Bl %Rec	83.6	%	40-140
		Lab Fort Blank Range	5.9	units	
		Lab Fort Bl. Av. Rec	80.7	%	
		LFB Duplicate RPD	7.3	%	0-25
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	92.3	ug/l	
		Lab Fort Blk. % Rec.	92.3	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	95.3	ug/l	
		Dup Lab Fort Bl %Rec	95.3	%	40-140
		Lab Fort Blank Range	3.0	units	
		Lab Fort Bl. Av. Rec	93.8	%	
		LFB Duplicate RPD	3.1	%	0-25
	2-Methylnaphthalene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	66.6	ug/l	
		Lab Fort Blk. % Rec.	66.6	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	71.4	ug/l	
		Dup Lab Fort Bl %Rec	71.4	%	40-140
		Lab Fort Blank Range	4.8	units	
		Lab Fort Bl. Av. Rec	69.0	%	
		LFB Duplicate RPD	7.0	%	0-25
	Phenanthrene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	82.4	ug/l	
		Lab Fort Blk. % Rec.	82.4	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	88.5	ug/l	
		Dup Lab Fort Bl %Rec	88.5	%	40-140

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: GC/FID-23256

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92844					
	Phenanthrene	Lab Fort Blank Range	6.1	units	
		Lab Fort Bl. Av. Rec	85.4	%	
		LFB Duplicate RPD	7.1	%	0-25
	Pyrene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	94.8	ug/l	
		Lab Fort Blk. % Rec.	94.8	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	99.0	ug/l	
		Dup Lab Fort Bl %Rec	99.0	%	40-140
		Lab Fort Blank Range	4.2	units	
		Lab Fort Bl. Av. Rec	96.9	%	
		LFB Duplicate RPD	4.4	%	0-25
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	95.7	ug/l	
		Lab Fort Blk. % Rec.	95.7	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	98.4	ug/l	
		Dup Lab Fort Bl %Rec	98.4	%	40-140
		Lab Fort Blank Range	2.7	units	
		Lab Fort Bl. Av. Rec	97.0	%	
		LFB Duplicate RPD	2.7	%	0-25
	n-Nonane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	30.8	ug/l	
		Lab Fort Blk. % Rec.	30.8	%	30-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	36.2	ug/l	
		Dup Lab Fort Bl %Rec	36.2	%	30-140
		Lab Fort Blank Range	5.4	units	
		Lab Fort Bl. Av. Rec	33.5	%	
		LFB Duplicate RPD	16.1	%	
	Naphthalene Aliphatic Fraction	Lab Fort Blank Amt.	60.4	ug/l	
		Lab Fort Blk. Found	0.0	ug/l	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	65.1	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.	66.6	ug/l	
		Lab Fort Blk. Found	0.0	ug/l	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	74.1	ug/l	
		Dup Lab Fort Bl. Fnd	2.6	ug/l	

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: GC/FID-23256

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92844					
	2-Methylnaphthalene Aliphatic Fraction	Dup Lab Fort Bl %Rec	3.5	%	0-5
		Lab Fort Blank Range	3.5	units	
		Lab Fort Bl. Av. Rec	1.7	%	
		LFB Duplicate RPD	200.0	%	
	Unadjusted C11-C22 Aromatics	Lab Fort Blank Amt.	1700.0	ug/l	
		Lab Fort Blk. Found	1537.4	ug/l	
		Lab Fort Blk. % Rec.	90.4	%	40-140
		Dup Lab Fort Bl Amt.	1700.0	ug/l	
		Dup Lab Fort Bl. Fnd	1611.8	ug/l	
		Dup Lab Fort Bl %Rec	94.8	%	40-140
		Lab Fort Blank Range	4.3	units	
		Lab Fort Bl. Av. Rec	92.6	%	
		LFB Duplicate RPD	4.7	%	0-25
	C9-C18 Aliphatics	Lab Fort Blank Amt.	600.0	ug/l	
		Lab Fort Blk. Found	391.0	ug/l	
		Lab Fort Blk. % Rec.	65.1	%	40-140
		Dup Lab Fort Bl Amt.	600.0	ug/l	
		Dup Lab Fort Bl. Fnd	438.1	ug/l	
		Dup Lab Fort Bl %Rec	73.0	%	40-140
		Lab Fort Blank Range	7.8	units	
		Lab Fort Bl. Av. Rec	69.0	%	
		LFB Duplicate RPD	11.3	%	0-25
	C19-C36 Aliphatics	Lab Fort Blank Amt.	800.0	ug/l	
		Lab Fort Blk. Found	776.0	ug/l	
		Lab Fort Blk. % Rec.	97.0	%	40-140
		Dup Lab Fort Bl Amt.	800.0	ug/l	
		Dup Lab Fort Bl. Fnd	812.5	ug/l	
		Dup Lab Fort Bl %Rec	101.5	%	40-140
		Lab Fort Blank Range	4.5	units	
		Lab Fort Bl. Av. Rec	99.2	%	
		LFB Duplicate RPD	4.5	%	0-25

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: GCMS/SEMI-12033

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07219					
	Nitrobenzene-d5	Surrogate Recovery	105.9	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	91.7	%	30-130
	Terphenyl-d14	Surrogate Recovery	43.4	%	30-130
09B07220					
	Nitrobenzene-d5	Surrogate Recovery	97.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	86.1	%	30-130
	Terphenyl-d14	Surrogate Recovery	60.2	%	30-130
09B07221					
	Nitrobenzene-d5	Surrogate Recovery	96.9	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	83.1	%	30-130
	Terphenyl-d14	Surrogate Recovery	50.2	%	30-130
BLANK-130619					
	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	
	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-92823					
	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

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: GCMS/SEMI-12033

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92823					
	Acenaphthene	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
		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	

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: GCMS/SEMI-12033

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92823					
	Benzo(b)fluoranthene	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	
		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	%	

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: GCMS/SEMI-12033

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92823					
	Dibenzofuran	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	%	
		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	%	

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: GCMS/SEMI-12033

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92823					
	Phenanthrene	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	%	
		Lab Fort Blank Range	0.160	units	
		Lab Fort Bl. Av. Rec	85.180	%	
		LFB Duplicate RPD	0.187	%	0-20

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: HG-9931

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130672					
	Mercury	Blank	<0.00010	mg/l	
LFBLANK-92869					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l	
		Lab Fort Blk. Found	0.00199	mg/l	
		Lab Fort Blk. % Rec.	99.70000	%	85-115
		Dup Lab Fort Bl Amt.	0.00200	mg/l	
		Dup Lab Fort Bl. Fnd	0.00200	mg/l	
		Dup Lab Fort Bl %Rec	100.05000	%	
		Lab Fort Blank Range	0.35000	units	
		Lab Fort Bl. Av. Rec	99.87500	%	
		LFB Duplicate RPD	0.35043	%	

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: HGA/AA-6683

Sample Id	Analysis	QC Analysis	Values	Units	Limits
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	%	

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: ICP-21374

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130655					
	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-92854					
	Silver	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.511	mg/l	
		Lab Fort Blk. % Rec.	102.220	%	
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.521	mg/l	
		Dup Lab Fort Bl %Rec	104.300	%	85-115
		Lab Fort Blank Range	2.079	units	
		Lab Fort Bl. Av. Rec	103.260	%	
		LFB Duplicate RPD	2.014	%	0-20
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.562	mg/l	
		Lab Fort Blk. % Rec.	112.570	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.579	mg/l	
		Dup Lab Fort Bl %Rec	115.890	%	85-115
		Lab Fort Blank Range	3.320	units	
		Lab Fort Bl. Av. Rec	114.230	%	
		LFB Duplicate RPD	2.906	%	0-20
	Barium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5398	mg/l	
		Lab Fort Blk. % Rec.	107.9700	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5538	mg/l	
		Dup Lab Fort Bl %Rec	110.7800	%	85-115
		Lab Fort Blank Range	2.8099	units	
		Lab Fort Bl. Av. Rec	109.3750	%	
		LFB Duplicate RPD	2.5691	%	0-20
	Beryllium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5296	mg/l	
		Lab Fort Blk. % Rec.	105.9400	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: ICP-21374

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92854					
	Beryllium	Dup Lab Fort Bl. Fnd	0.5356	mg/l	
		Dup Lab Fort Bl %Rec	107.1200	%	85-115
		Lab Fort Blank Range	1.1799	units	
		Lab Fort Bl. Av. Rec	106.5300	%	
		LFB Duplicate RPD	1.1076	%	0-20
	Cadmium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5489	mg/l	
		Lab Fort Blk. % Rec.	109.7900	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5599	mg/l	
		Dup Lab Fort Bl %Rec	111.9900	%	85-115
		Lab Fort Blank Range	2.2000	units	
		Lab Fort Bl. Av. Rec	110.8900	%	
		LFB Duplicate RPD	1.9839	%	0-20
	Chromium	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.517	mg/l	
		Lab Fort Blk. % Rec.	103.500	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.532	mg/l	
		Dup Lab Fort Bl %Rec	106.410	%	85-115
		Lab Fort Blank Range	2.910	units	
		Lab Fort Bl. Av. Rec	104.955	%	
		LFB Duplicate RPD	2.772	%	0-20
	Nickel	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.536	mg/l	
		Lab Fort Blk. % Rec.	107.330	%	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	109.670	%	85-115
		Lab Fort Blank Range	2.339	units	
		Lab Fort Bl. Av. Rec	108.500	%	
		LFB Duplicate RPD	2.156	%	0-20
	Lead	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5183	mg/l	
		Lab Fort Blk. % Rec.	103.6700	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5336	mg/l	
		Dup Lab Fort Bl %Rec	106.7300	%	85-115
		Lab Fort Blank Range	3.0599	units	
		Lab Fort Bl. Av. Rec	105.2000	%	
		LFB Duplicate RPD	2.9087	%	0-20
	Selenium	Lab Fort Blank Amt.	0.50	mg/l	
		Lab Fort Blk. Found	0.52	mg/l	

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

Report Date: 3/17/2009 Lims Bat # : LIMT-23819

QC Batch Number: ICP-21374

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92854					
	Selenium	Lab Fort Blk. % Rec.	105.81	%	85-115
		Dup Lab Fort Bl Amt.	0.50	mg/l	
		Dup Lab Fort Bl. Fnd	0.54	mg/l	
		Dup Lab Fort Bl %Rec	108.24	%	85-115
		Lab Fort Blank Range	2.43	units	
		Lab Fort Bl. Av. Rec	107.02	%	
		LFB Duplicate RPD	2.27	%	0-20
	Vanadium	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.527	mg/l	
		Lab Fort Blk. % Rec.	105.540	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.541	mg/l	
		Dup Lab Fort Bl %Rec	108.390	%	85-115
		Lab Fort Blank Range	2.850	units	
		Lab Fort Bl. Av. Rec	106.965	%	
		LFB Duplicate RPD	2.664	%	0-20
	Zinc	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.540	mg/l	
		Lab Fort Blk. % Rec.	108.120	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.549	mg/l	
		Dup Lab Fort Bl %Rec	109.950	%	85-115
		Lab Fort Blank Range	1.830	units	
		Lab Fort Bl. Av. Rec	109.035	%	
		LFB Duplicate RPD	1.678	%	0-20

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-23819
Project Location: New Bedford, MA	MADEP RTN[1]:

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

09B07219- 09B07224

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] ( )	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: M Erick	**Position: Assistant Laboratory Director**
Printed Name: Michael Erickson	**Date:** 3/17/09

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

Limit # 23819

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 x3565
Project # 115058 task 44
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax #: 978-453-1995
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 # 098	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCB's	* PAH's 8270C	EPH Carbon Ranges	Total MCP Metals + Hg	Dissolved MCP Metals + Hg
	MW-WFB4	07219 /22	3/10/09	1035		G	GW	U	2	2	2	1	1
	MW-WFE5	07220 /23	3/10/09	1155		G	GW	U	2	2	2	1	1
	MW-WFD	07221 /24	3/10/09	1255		G	GW	U	2	2	2	1	1
	Cooler Temperature Blank												

	PCB's	* PAH's 8270C	EPH Carbon Ranges	Total MCP Metals + Hg	Dissolved MCP Metals + Hg
# of containers	2	2	2	1	1
**Preservation	I	I	H	N	N
~Cont.Code	A	A	A	P	P

~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 FRACTIONS UNTIL NOTIFIED TO RUN BASED ON TOTAL RESULTS.
* PAH Must Report Dibenzo Furan

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: 3/10/09 1640
Received by: (signature)	Date/Time: 3/10 1640
Relinquished by: (signature)	Date/Time: 3/10 1835
Received by: (signature) Temp 2°C	Date/Time: 3/10/09 18:35

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

Detection Limit Requirements
Regulations? GW-3 (MCP)
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

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

Sample Receipt Checklist

CLIENT NAME: TRC MO RECEIVED BY: KO DATE: 3/10/09

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 _____

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

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	6	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 Phes