con-test® ANALYTICAL LABORATORY

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

REPORT DATE 3/3/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23459
JOB NUMBER: 115058

PROJECT LOCATION: NEW BEDFORD-WALSH

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
WFD6-A (0-1) QC	09B05245	SOIL	Not Specified	cd (mg/kg)dw icp	
WFD6-A (0-1) QC	09B05245	SOIL	Not Specified	pb (mg/kg)dw icp	
WFD6-A (0-1) QC	09B05245	SOIL	Not Specified	solids (percent)	
WFD6-A (1-3)	09B05247	SOIL	Not Specified	cd (mg/kg)dw icp	
WFD6-A (1-3)	09B05247	SOIL	Not Specified	pb (mg/kg)dw icp	
WFD6-A (1-3)	09B05247	SOIL	Not Specified	solids (percent)	
WFD6-B (0-1)	09B05238	SOIL	Not Specified	cd (mg/kg)dw icp	
WFD6-B (0-1)	09B05238	SOIL	Not Specified	pb (mg/kg)dw icp	
WFD6-B (0-1)	09B05238	SOIL	Not Specified	solids (percent)	
WFD6-B (1-3)	09B05239	SOIL	Not Specified	cd (mg/kg)dw icp	
WFD6-B (1-3)	09B05239	SOIL	Not Specified	pb (mg/kg)dw icp	
WFD6-B (1-3)	09B05239	SOIL	Not Specified	solids (percent)	
WFD6-C (0-1)	09B05242	SOIL	Not Specified	cd (mg/kg)dw icp	
WFD6-C (0-1)	09B05242	SOIL	Not Specified	pb (mg/kg)dw icp	
WFD6-C (0-1)	09B05242	SOIL	Not Specified	solids (percent)	
WFD6-C (1-3)	09B05243	SOIL	Not Specified	cd (mg/kg)dw icp	
WFD6-C (1-3)	09B05243	SOIL	Not Specified	pb (mg/kg)dw icp	
WFD6-C (1-3)	09B05243	SOIL	Not Specified	solids (percent)	
WFD6-D (0-1)	09B05240	SOIL	Not Specified	cd (mg/kg)dw icp	
WFD6-D (0-1)	09B05240	SOIL	Not Specified	pb (mg/kg)dw icp	
WFD6-D (0-1)	09B05240	SOIL	Not Specified	solids (percent)	
WFD6-D (1-3)	09B05241	SOIL	Not Specified	cd (mg/kg)dw icp	
WFD6-D (1-3)	09B05241	SOIL	Not Specified	pb (mg/kg)dw icp	
WFD6-D (1-3)	09B05241	SOIL	Not Specified	solids (percent)	
WFD6D4 (0-1)	09B05244	SOIL	Not Specified	cd (mg/kg)dw icp	
WFD6D4 (0-1)	09B05244	SOIL	Not Specified	pb (mg/kg)dw icp	
WFD6D4 (0-1)	09B05244	SOIL	Not Specified	solids (percent)	
WFE-5-A (0-1)	09B05250	SOIL	Not Specified	cd (mg/kg)dw icp	
WFE-5-A (0-1)	09B05250	SOIL	Not Specified	pah - sludge	
WFE-5-A (0-1)	09B05250	SOIL	Not Specified	pb (mg/kg)dw icp	
WFE-5-A (0-1)	09B05250	SOIL	Not Specified	solids (percent)	
WFE-5-A (1-3) QC	09B05251	SOIL	Not Specified	cd (mg/kg)dw icp	
WFE-5-A (1-3) QC	09B05251	SOIL	Not Specified	pah - sludge	
WFE-5-A (1-3) QC	09B05251	SOIL	Not Specified	pb (mg/kg)dw icp	
WFE-5-A (1-3) QC	09B05251	SOIL	Not Specified	solids (percent)	
WFE-5-B (0-1)	09B05254	SOIL	Not Specified	cd (mg/kg)dw icp	
WFE-5-B (0-1)	09B05254	SOIL	Not Specified	pah - sludge	
WFE-5-B (0-1)	09B05254	SOIL	Not Specified	pb (mg/kg)dw icp	
WFE-5-B (0-1)	09B05254	SOIL	Not Specified	solids (percent)	

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WFE-5-B (1-3)	09B05255	SOIL	Not Specified	cd (mg/kg)dw icp
WFE-5-B (1-3)	09B05255	SOIL	Not Specified	pah - sludge
WFE-5-B (1-3)	09B05255	SOIL	Not Specified	pb (mg/kg)dw icp
WFE-5-B (1-3)	09B05255	SOIL	Not Specified	solids (percent)
WFE-5-C (0-1)	09B05248	SOIL	Not Specified	cd (mg/kg)dw icp
WFE-5-C (0-1)	09B05248	SOIL	Not Specified	pah - sludge
WFE-5-C (0-1)	09B05248	SOIL	Not Specified	pb (mg/kg)dw icp
WFE-5-C (0-1)	09B05248	SOIL	Not Specified	solids (percent)
WFE-5-C (1-3)	09B05249	SOIL	Not Specified	cd (mg/kg)dw icp
WFE-5-C (1-3)	09B05249	SOIL	Not Specified	pah - sludge
WFE-5-C (1-3)	09B05249	SOIL	Not Specified	pb (mg/kg)dw icp
WFE-5-C (1-3)	09B05249	SOIL	Not Specified	solids (percent)
WFE-5-D (0-1)	09B05252	SOIL	Not Specified	cd (mg/kg)dw icp
WFE-5-D (0-1)	09B05252	SOIL	Not Specified	pah - sludge
WFE-5-D (0-1)	09B05252	SOIL	Not Specified	pb (mg/kg)dw icp
WFE-5-D (0-1)	09B05252	SOIL	Not Specified	solids (percent)
WFE-5-D (1-3)	09B05253	SOIL	Not Specified	cd (mg/kg)dw icp
WFE-5-D (1-3)	09B05253	SOIL	Not Specified	pah - sludge
WFE-5-D (1-3)	09B05253	SOIL	Not Specified	pb (mg/kg)dw icp
WFE-5-D (1-3)	09B05253	SOIL	Not Specified	solids (percent)
WFE-5-D5 (1-3)	09B05256	SOIL	Not Specified	cd (mg/kg)dw icp
WFE-5-D5 (1-3)	09B05256	SOIL	Not Specified	pah - sludge
WFE-5-D5 (1-3)	09B05256	SOIL	Not Specified	pb (mg/kg)dw icp
WFE-5-D5 (1-3)	09B05256	SOIL	Not Specified	solids (percent)
WFF-5-D (0-1)	09B05257	SOIL	Not Specified	cd (mg/kg)dw icp
WFF-5-D (0-1)	09B05257	SOIL	Not Specified	pah - sludge
WFF-5-D (0-1)	09B05257	SOIL	Not Specified	pb (mg/kg)dw icp
WFF-5-D (0-1)	09B05257	SOIL	Not Specified	solids (percent)
WFF-5-D (1-3)	09B05258	SOIL	Not Specified	cd (mg/kg)dw icp
WFF-5-D (1-3)	09B05258	SOIL	Not Specified	pah - sludge
WFF-5-D (1-3)	09B05258	SOIL	Not Specified	pb (mg/kg)dw icp
WFF-5-D (1-3)	09B05258	SOIL	Not Specified	solids (percent)

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ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23459
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMT-23459

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 duplicate rpd for sample 09B05251 is outside of method control limits for Pb. This attributed to the homogeneity of sample. Reduced precision anticipated for reported result.

In method 8270, any reported result for Pyrene (+37%) or Dibenz(a,h)anthracene (+31%) in all samples is estimated and likely to be biased on the high side based on continuing calibration bias.

In method 8270, for sample 09B05251, matrix spike duplicate RPD for Fluoranthene and Pyrene is outside of control limits. Reduced precision is anticipated for any reported results for these compounds in this sample.

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 performed on samples : 09B05245 and 09B05251.
The sample duplicate for sample 09B05245 is not reported for Cd due to non detect sample and duplicate results.

The matrix spike recovery is outside of control limits for Pb.
Sample concentration >4X spike concentration, therefore a representative recovery may not be obtainable.

Only Cadmium and Lead results were requested and reported.

METHOD SW846 8270 - ADDITIONAL DETAILS

Solid samples, if any, in the batch were extracted by the following method:
Microwave: SW-846 3546

All 8270 samples were analyzed undiluted unless specified below:

Sample	Dilution(s)
09B05249	undilute and 5x

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 soil LCS - limits between 10 and 180% depending on the compound

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LIMS BAT #: LIMT-23459
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(see QC summary report for limits): 3,3'-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

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 soil RPDs: 3,3'-dichlorobenzidine, 4-nitrophenol, and aniline.

All 8270 surrogate standard recoveries were within control limits specified by the method unless listed below:

In method 8270, for sample 09B05255, surrogate recovery for Terphenyl-d14 (134%) was outside of control limits, but within method requirements.

Blank-130117 and LFBLANK-92266 are associated with samples 09B05248-09B05258.

Blank-130119 and LFBLANK-92268 are associated only with MS and MSD on sample 09B05251.

8270 QC SURROGATE RECOVERIES

BLANK-130117

NITROBENZENE-D5:	76%
2-FLUOROBIPHENYL:	80%
TERPHENYL-D14:	96%

LFBLANK-92266	LFB	LFB DUPLICATE
NITROBENZENE-D5:	71%	69%
2-FLUOROBIPHENYL:	75%	70%
TERPHENYL-D14:	100%	97%

BLANK-130119

NITROBENZENE-D5:	75%
2-FLUOROBIPHENYL:	82%
TERPHENYL-D14:	65%

LFBLANK-92268	LFB	LFB DUPLICATE
NITROBENZENE-D5:	76%	73%
2-FLUOROBIPHENYL:	84%	77%
TERPHENYL-D14:	66%	60%

MATRIX SPIKE SAMPLE 09B05251	MS	MS DUPLICATE
NITROBENZENE-D5:	67%	71%
2-FLUOROBIPHENYL:	69%	68%
TERPHENYL-D14:	71%	72%

All 8270 matrix spike and matrix spike duplicate recoveries, sample duplicate RPDs and MSDRPDs, if requested in this batch were within control limits specified by the method unless listed below:

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ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23459
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Matrix and matrix spike duplicate was requested and performed on sample 09B05251.

In method 8270, for sample 09B05251, either matrix spike or matrix spike duplicate recovery for Fluoranthene and Pyrene is outside of control limits, but the other is within limits. Outlier should be viewed as a one-time anomaly.

All analyte list compounds were reported for method 8270 unless listed below:
In method 8270, only PAH compounds were requested and reported.

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.

Edward Denson 3/3/09
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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650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

Field Sample # : WFD6-A (0-1) QC

Sample ID : 09B05245 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	ND	03/02/09	KSH	0.34			

Field Sample # : WFD6-A (1-3)

Sample ID : 09B05247 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	0.59	03/02/09	KSH	0.30			

Field Sample # : WFD6-B (0-1)

Sample ID : 09B05238 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	ND	02/28/09	AMP	0.34			

Field Sample # : WFD6-B (1-3)

Sample ID : 09B05239 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	ND	02/28/09	AMP	0.29			

Field Sample # : WFD6-C (0-1)

Sample ID : 09B05242 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	ND	02/28/09	AMP	0.32			

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.

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LOWELL, MA 01852

Purchase Order No.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

Field Sample # : WFD6-C (1-3)

Sample ID : 09B05243 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	ND	03/02/09	KSH	0.29			

Field Sample # : WFD6-D (0-1)

Sample ID : 09B05240 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	ND	02/28/09	AMP	0.36			

Field Sample # : WFD6-D (1-3)

Sample ID : 09B05241 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	0.52	02/28/09	AMP	0.31			

Field Sample # : WFD6D4 (0-1)

Sample ID : 09B05244 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	0.34	03/02/09	KSH	0.32			

Field Sample # : WFE-5-A (0-1)

Sample ID : 09B05250 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	0.75	03/02/09	KSH	0.36			

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LIMS-BAT #: LIMT-23459
Job Number: 115058

Field Sample # : WFE-5-A (1-3) QC

Sample ID : 09B05251 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	0.83	03/02/09	KSH	0.34			

Field Sample # : WFE-5-B (0-1)

Sample ID : 09B05254 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	ND	03/02/09	KSH	0.31			

Field Sample # : WFE-5-B (1-3)

Sample ID : 09B05255 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	0.88	03/02/09	KSH	0.35			

Field Sample # : WFE-5-C (0-1)

Sample ID : 09B05248 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	0.56	03/02/09	KSH	0.32			

Field Sample # : WFE-5-C (1-3)

Sample ID : 09B05249 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	1.93	03/02/09	KSH	0.32			

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LIMS-BAT #: LIMT-23459
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Field Sample # : WFE-5-D (0-1)

Sample ID : 09B05252 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	0.55	03/02/09	KSH	0.35			

Field Sample # : WFE-5-D (1-3)

Sample ID : 09B05253 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	0.95	03/02/09	KSH	0.36			

Field Sample # : WFE-5-D5 (1-3)

Sample ID : 09B05256 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	0.71	03/02/09	KSH	0.34			

Field Sample # : WFF-5-D (0-1)

Sample ID : 09B05257 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	ND	03/02/09	KSH	0.29			

Field Sample # : WFF-5-D (1-3)

Sample ID : 09B05258 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/kg dry wt	0.34	03/02/09	KSH	0.29			

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3/3/2009

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

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

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‡ = 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.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFE-5-A (0-1)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05250

‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(a)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(b)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Chrysene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Phenanthrene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.236			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED 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

3/3/2009

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFE-5-A (1-3) QC

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05251

‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Benzo(a)anthracene	mg/kg dry wt	0.233	03/01/09	BGL	0.225			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Benzo(b)fluoranthene	mg/kg dry wt	0.237	03/01/09	BGL	0.225			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Chrysene	mg/kg dry wt	0.296	03/01/09	BGL	0.225			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Fluoranthene	mg/kg dry wt	0.489	03/01/09	BGL	0.225			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.225			
Phenanthrene	mg/kg dry wt	0.484	03/01/09	BGL	0.225			
Pyrene	mg/kg dry wt	0.622	03/01/09	BGL	0.225			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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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.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFE-5-B (0-1)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05254 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(a)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(b)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Chrysene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Phenanthrene	mg/kg dry wt	ND	03/01/09	BGL	0.202			
Pyrene	mg/kg dry wt	0.257	03/01/09	BGL	0.202			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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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

3/3/2009

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFE-5-B (1-3)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05255 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Benzo(a)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Benzo(b)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Chrysene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Naphthalene	mg/kg dry wt	0.524	03/01/09	BGL	0.233			
Phenanthrene	mg/kg dry wt	ND	03/01/09	BGL	0.233			
Pyrene	mg/kg dry wt	0.289	03/01/09	BGL	0.233			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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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.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFE-5-C (0-1)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05248 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Benzo(a)anthracene	mg/kg dry wt	0.260	03/01/09	BGL	0.212			
Benzo(a)pyrene	mg/kg dry wt	0.235	03/01/09	BGL	0.212			
Benzo(b)fluoranthene	mg/kg dry wt	0.263	03/01/09	BGL	0.212			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Chrysene	mg/kg dry wt	0.290	03/01/09	BGL	0.212			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Fluoranthene	mg/kg dry wt	0.443	03/01/09	BGL	0.212			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Phenanthrene	mg/kg dry wt	0.389	03/01/09	BGL	0.212			
Pyrene	mg/kg dry wt	0.604	03/01/09	BGL	0.212			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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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

3/3/2009

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFE-5-C (1-3)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05249

‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Acenaphthylene	mg/kg dry wt	0.305	03/01/09	BGL	0.212			
Anthracene	mg/kg dry wt	2.00	03/01/09	BGL	0.212			
Benzo(a)anthracene	mg/kg dry wt	4.03	03/01/09	BGL	0.212			
Benzo(a)pyrene	mg/kg dry wt	3.27	03/01/09	BGL	0.212			
Benzo(b)fluoranthene	mg/kg dry wt	3.77	03/01/09	BGL	0.212			
Benzo(g,h,i)perylene	mg/kg dry wt	0.978	03/01/09	BGL	0.212			
Benzo(k)fluoranthene	mg/kg dry wt	1.36	03/01/09	BGL	0.212			
Chrysene	mg/kg dry wt	3.93	03/01/09	BGL	0.212			
Dibenz(a,h)anthracene	mg/kg dry wt	0.291	03/01/09	BGL	0.212			
Fluoranthene	mg/kg dry wt	6.48	03/01/09	BGL	0.212			
Fluorene	mg/kg dry wt	0.617	03/01/09	BGL	0.212			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.28	03/01/09	BGL	0.212			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.212			
Phenanthrene	mg/kg dry wt	7.96	03/01/09	BGL	0.212			
Pyrene	mg/kg dry wt	8.15	03/01/09	BGL	0.212			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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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

3/3/2009

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFE-5-D (0-1)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05252 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Benzo(a)anthracene	mg/kg dry wt	0.245	03/01/09	BGL	0.229			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Benzo(b)fluoranthene	mg/kg dry wt	0.231	03/01/09	BGL	0.229			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Chrysene	mg/kg dry wt	0.293	03/01/09	BGL	0.229			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Fluoranthene	mg/kg dry wt	0.371	03/01/09	BGL	0.229			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.229			
Phenanthrene	mg/kg dry wt	0.342	03/01/09	BGL	0.229			
Pyrene	mg/kg dry wt	0.630	03/01/09	BGL	0.229			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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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.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFE-5-D (1-3)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05253

‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Benzo(a)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Benzo(b)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Chrysene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Naphthalene	mg/kg dry wt	0.763	03/01/09	BGL	0.238			
Phenanthrene	mg/kg dry wt	ND	03/01/09	BGL	0.238			
Pyrene	mg/kg dry wt	0.314	03/01/09	BGL	0.238			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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‡ = 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

3/3/2009

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFE-5-D5 (1-3)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05256

‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Benzo(a)anthracene	mg/kg dry wt	0.283	03/01/09	BGL	0.222			
Benzo(a)pyrene	mg/kg dry wt	0.254	03/01/09	BGL	0.222			
Benzo(b)fluoranthene	mg/kg dry wt	0.281	03/01/09	BGL	0.222			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Chrysene	mg/kg dry wt	0.338	03/01/09	BGL	0.222			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Fluoranthene	mg/kg dry wt	0.488	03/01/09	BGL	0.222			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.223	03/01/09	BGL	0.222			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.222			
Phenanthrene	mg/kg dry wt	0.514	03/01/09	BGL	0.222			
Pyrene	mg/kg dry wt	0.748	03/01/09	BGL	0.222			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED 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

Purchase Order No.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFF-5-D (0-1)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05257 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Benzo(a)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Benzo(a)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Benzo(b)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Chrysene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Fluoranthene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Phenanthrene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Pyrene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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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

3/3/2009

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009
Field Sample # : WFF-5-D (1-3)

LIMS-BAT #: LIMT-23459
Job Number: 115058

Sample ID : 09B05258 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Acenaphthylene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Benzo(a)anthracene	mg/kg dry wt	0.589	03/01/09	BGL	0.192			
Benzo(a)pyrene	mg/kg dry wt	0.579	03/01/09	BGL	0.192			
Benzo(b)fluoranthene	mg/kg dry wt	0.615	03/01/09	BGL	0.192			
Benzo(g,h,i)perylene	mg/kg dry wt	0.273	03/01/09	BGL	0.192			
Benzo(k)fluoranthene	mg/kg dry wt	0.260	03/01/09	BGL	0.192			
Chrysene	mg/kg dry wt	0.616	03/01/09	BGL	0.192			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Fluoranthene	mg/kg dry wt	0.897	03/01/09	BGL	0.192			
Fluorene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.335	03/01/09	BGL	0.192			
2-Methylnaphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Naphthalene	mg/kg dry wt	ND	03/01/09	BGL	0.192			
Phenanthrene	mg/kg dry wt	0.454	03/01/09	BGL	0.192			
Pyrene	mg/kg dry wt	1.07	03/01/09	BGL	0.192			
Extraction Date 8270		2/24/2009	03/01/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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con-test ANALYTICAL LABORATORY

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

Purchase Order No.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

Field Sample # : WFD6-A (0-1) QC

Sample ID : 09B05245 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	42.3	03/02/09	KSH	1.01			

Field Sample # : WFD6-A (1-3)

Sample ID : 09B05247 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	530	03/02/09	KSH	0.90			

Field Sample # : WFD6-B (0-1)

Sample ID : 09B05238 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	30.4	02/28/09	AMP	1.01			

Field Sample # : WFD6-B (1-3)

Sample ID : 09B05239 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	44.7	02/28/09	AMP	0.86			

Field Sample # : WFD6-C (0-1)

Sample ID : 09B05242 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	40.3	02/28/09	AMP	0.96			

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con-test® ANALYTICAL LABORATORY

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

Purchase Order No.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

Field Sample # : WFD6-C (1-3)

Sample ID : 09B05243 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	86.8	03/02/09	KSH	0.85			

Field Sample # : WFD6-D (0-1)

Sample ID : 09B05240 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	47.9	02/28/09	AMP	1.06			

Field Sample # : WFD6-D (1-3)

Sample ID : 09B05241 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	1520	02/28/09	AMP	0.93			

Field Sample # : WFD6D4 (0-1)

Sample ID : 09B05244 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	39.2	03/02/09	KSH	0.95			

Field Sample # : WFE-5-A (0-1)

Sample ID : 09B05250 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	3360	03/02/09	KSH	1.06			

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con-test ANALYTICAL LABORATORY

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

Purchase Order No.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

Field Sample # : WFE-5-A (1-3) QC

Sample ID : 09B05251 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	1830	03/02/09	KSH	1.02			

Field Sample # : WFE-5-B (0-1)

Sample ID : 09B05254 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	40.7	03/02/09	KSH	0.91			

Field Sample # : WFE-5-B (1-3)

Sample ID : 09B05255 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	268	03/02/09	KSH	1.05			

Field Sample # : WFE-5-C (0-1)

Sample ID : 09B05248 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	214	03/02/09	KSH	0.96			

Field Sample # : WFE-5-C (1-3)

Sample ID : 09B05249 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	654	03/02/09	KSH	0.96			

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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.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

Field Sample # : WFE-5-D (0-1)

Sample ID : 09B05252 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	253	03/02/09	KSH	1.03			

Field Sample # : WFE-5-D (1-3)

Sample ID : 09B05253 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	1040	03/02/09	KSH	1.07			

Field Sample # : WFE-5-D5 (1-3)

Sample ID : 09B05256 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	254	03/02/09	KSH	1.00			

Field Sample # : WFF-5-D (0-1)

Sample ID : 09B05257 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	11.8	03/02/09	KSH	0.87			

Field Sample # : WFF-5-D (1-3)

Sample ID : 09B05258 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	67.7	03/02/09	KSH	0.87			

RL = Reporting Limit

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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

3/3/2009

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

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

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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.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

Field Sample # : WFD6-A (0-1) QC

Sample ID : 09B05245 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	74.7	03/02/09	FD				

Field Sample # : WFD6-A (1-3)

Sample ID : 09B05247 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	83.6	03/02/09	FD				

Field Sample # : WFD6-B (0-1)

Sample ID : 09B05238 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	74.8	03/02/09	FD				

Field Sample # : WFD6-B (1-3)

Sample ID : 09B05239 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	88.2	03/02/09	FD				

Field Sample # : WFD6-C (0-1)

Sample ID : 09B05242 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	78.2	03/02/09	FD				

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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.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

Field Sample # : WFD6-C (1-3)

Sample ID : 09B05243 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	89.1	03/02/09	FD				

Field Sample # : WFD6-D (0-1)

Sample ID : 09B05240 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	71.3	03/02/09	FD				

Field Sample # : WFD6-D (1-3)

Sample ID : 09B05241 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	81.1	03/02/09	FD				

Field Sample # : WFD6D4 (0-1)

Sample ID : 09B05244 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	79.3	03/02/09	FD				

Field Sample # : WFE-5-A (0-1)

Sample ID : 09B05250 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	70.9	03/02/09	FD				

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

Field Sample # : WFE-5-A (1-3) QC

Sample ID : 09B05251 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	74.2	03/02/09	FD				

Field Sample # : WFE-5-B (0-1)

Sample ID : 09B05254 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	82.6	03/02/09	FD				

Field Sample # : WFE-5-B (1-3)

Sample ID : 09B05255 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	71.7	03/02/09	FD				

Field Sample # : WFE-5-C (0-1)

Sample ID : 09B05248 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	78.9	03/02/09	FD				

Field Sample # : WFE-5-C (1-3)

Sample ID : 09B05249 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	78.7	03/02/09	FD				

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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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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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

3/3/2009

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

Field Sample # : WFE-5-D (0-1)

Sample ID : 09B05252 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	73.0	03/02/09	FD				

Field Sample # : WFE-5-D (1-3)

Sample ID : 09B05253 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	70.2	03/02/09	FD				

Field Sample # : WFE-5-D5 (1-3)

Sample ID : 09B05256 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	75.2	03/02/09	FD				

Field Sample # : WFF-5-D (0-1)

Sample ID : 09B05257 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	87.0	03/02/09	FD				

Field Sample # : WFF-5-D (1-3)

Sample ID : 09B05258 ‡Sampled : 2/23/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	87.0	03/02/09	FD				

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.

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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

3/3/2009

Purchase Order No.:

Project Location: NEW BEDFORD-WALSH
Date Received: 2/23/2009

LIMS-BAT #: LIMT-23459
Job Number: 115058

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

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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** END OF REPORT **

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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: 3/3/2009 Lims Bat # : LIMT-23459

QC Batch Number: GCMS/SEMI-11974

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B05248					
	Phenol-d6	Surrogate Recovery	80.1	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	63.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	62.3	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	76.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	84.4	%	30-130
	2-Fluorophenol	Surrogate Recovery	74.3	%	30-130
09B05249					
	Phenol-d6	Surrogate Recovery	87.8	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	63.9	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	70.0	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	56.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	71.1	%	30-130
	2-Fluorophenol	Surrogate Recovery	81.7	%	30-130
09B05250					
	Phenol-d6	Surrogate Recovery	53.0	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	50.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	55.4	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	49.1	%	30-130
	Terphenyl-d14	Surrogate Recovery	77.3	%	30-130
	2-Fluorophenol	Surrogate Recovery	52.4	%	30-130
09B05251					
	Naphthalene	Sample Amount	<0.225	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.501	mg/kg dry wt	
		Matrix Spike % Rec.	66.859	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	1.427	mg/kg dry wt	
		MSD % Recovery	63.559	%	
		MSD Range	3.300	units	
		MS Duplicate RPD	5.060	%	0-30
	Acenaphthene	Sample Amount	<0.225	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.310	mg/kg dry wt	
		Matrix Spike % Rec.	58.360	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	1.359	mg/kg dry wt	
		MSD % Recovery	60.519	%	
		MSD Range	2.159	units	
		MS Duplicate RPD	3.633	%	0-30
	Acenaphthylene	Sample Amount	<0.225	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.271	mg/kg dry wt	
		Matrix Spike % Rec.	56.599	%	40-140

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QC Batch Number: GCMS/SEMI-11974

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B05251					
	Acenaphthylene	MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	1.311	mg/kg dry wt	
		MSD % Recovery	58.399	%	
		MSD Range	1.799	units	
		MS Duplicate RPD	3.130	%	0-30
	Anthracene	Sample Amount	<0.225	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.347	mg/kg dry wt	
		Matrix Spike % Rec.	59.979	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	1.525	mg/kg dry wt	
		MSD % Recovery	67.899	%	
		MSD Range	7.920	units	
		MS Duplicate RPD	12.386	%	0-30
	Benzo(a)anthracene	Sample Amount	0.232	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.486	mg/kg dry wt	
		Matrix Spike % Rec.	55.840	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	2.008	mg/kg dry wt	
		MSD % Recovery	79.060	%	
		MSD Range	23.220	units	
		MS Duplicate RPD	29.841	%	0-30
	Benzo(a)pyrene	Sample Amount	<0.225	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.521	mg/kg dry wt	
		Matrix Spike % Rec.	67.720	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	1.977	mg/kg dry wt	
		MSD % Recovery	88.039	%	
		MSD Range	20.319	units	
		MS Duplicate RPD	26.091	%	0-30
	Benzo(b)fluoranthene	Sample Amount	0.237	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.676	mg/kg dry wt	
		Matrix Spike % Rec.	64.099	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	2.173	mg/kg dry wt	
		MSD % Recovery	86.219	%	
		MSD Range	22.120	units	
		MS Duplicate RPD	25.804	%	0-30
	Benzo(g,h,i)perylene	Sample Amount	<0.225	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	

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09B05251					
	Benzo(g,h,i)perylene	MS Amt Measured	1.456	mg/kg dry wt	
		Matrix Spike % Rec.	64.859	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	1.801	mg/kg dry wt	
		MSD % Recovery	80.200	%	
		MSD Range	15.340	units	
		MS Duplicate RPD	21.149	%	0-30
	Chrysene	Sample Amount	0.296	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.498	mg/kg dry wt	
		Matrix Spike % Rec.	53.520	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	1.945	mg/kg dry wt	
		MSD % Recovery	73.400	%	
		MSD Range	19.880	units	
		MS Duplicate RPD	25.932	%	0-30
	Dibenz(a,h)anthracene	Sample Amount	<0.225	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.296	mg/kg dry wt	
		Matrix Spike % Rec.	57.740	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	1.333	mg/kg dry wt	
		MSD % Recovery	59.380	%	
		MSD Range	1.640	units	
		MS Duplicate RPD	2.800	%	0-30
	Fluoranthene	Sample Amount	0.489	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	3.040	mg/kg dry wt	
		Matrix Spike % Rec.	113.600	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	4.489	mg/kg dry wt	
		MSD % Recovery	178.080	%	
		MSD Range	64.480	units	
		MS Duplicate RPD	38.467	%	0-30
	Fluorene	Sample Amount	<0.225	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.182	mg/kg dry wt	
		Matrix Spike % Rec.	52.640	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	1.225	mg/kg dry wt	
		MSD % Recovery	54.539	%	
		MSD Range	1.899	units	
		MS Duplicate RPD	3.545	%	0-30

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QC Batch Number: GCMS/SEMI-11974

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B05251					
	Indeno(1,2,3-cd)pyrene	Sample Amount	<0.225	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.461	mg/kg dry wt	
		Matrix Spike % Rec.	65.079	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	1.747	mg/kg dry wt	
		MSD % Recovery	77.800	%	
		MSD Range	12.720	units	
		MS Duplicate RPD	17.805	%	0-30
	2-Methylnaphthalene	Sample Amount	<0.225	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.334	mg/kg dry wt	
		Matrix Spike % Rec.	59.400	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	1.354	mg/kg dry wt	
		MSD % Recovery	60.319	%	
		MSD Range	0.919	units	
		MS Duplicate RPD	1.536	%	0-30
	Phenanthrene	Sample Amount	0.483	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.964	mg/kg dry wt	
		Matrix Spike % Rec.	65.900	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	2.591	mg/kg dry wt	
		MSD % Recovery	93.820	%	
		MSD Range	27.919	units	
		MS Duplicate RPD	27.534	%	0-30
	Pyrene	Sample Amount	0.622	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	2.233	mg/kg dry wt	
		Matrix Spike % Rec.	71.740	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	3.497	mg/kg dry wt	
		MSD % Recovery	128.020	%	
		MSD Range	56.280	units	
		MS Duplicate RPD	44.113	%	0-30
	Benzo(k)fluoranthene	Sample Amount	<0.225	mg/kg dry wt	
		Matrix Spk Amt Added	2.246	mg/kg dry wt	
		MS Amt Measured	1.579	mg/kg dry wt	
		Matrix Spike % Rec.	70.300	%	40-140
		MSD Amount Added	2.246	mg/kg dry wt	
		MSD Amt Measured	1.837	mg/kg dry wt	
		MSD % Recovery	81.800	%	

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QC Batch Number: GCMS/SEMI-11974

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B05251					
	Benzo(k)fluoranthene	MSD Range	11.500	units	
		MS Duplicate RPD	15.121	%	0-30
	Phenol-d6	Surrogate Recovery	76.7	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	65.8	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	66.5	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	75.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	90.9	%	30-130
	2-Fluorophenol	Surrogate Recovery	73.7	%	30-130
09B05252					
	Phenol-d6	Surrogate Recovery	75.4	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	58.7	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	61.1	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	64.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	85.2	%	30-130
	2-Fluorophenol	Surrogate Recovery	70.4	%	30-130
09B05253					
	Phenol-d6	Surrogate Recovery	70.2	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	65.1	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	65.5	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	64.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	91.2	%	30-130
	2-Fluorophenol	Surrogate Recovery	65.9	%	30-130
09B05254					
	Phenol-d6	Surrogate Recovery	82.4	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	62.9	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	64.1	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	67.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	93.4	%	30-130
	2-Fluorophenol	Surrogate Recovery	74.7	%	30-130
09B05255					
	Phenol-d6	Surrogate Recovery	101.2	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	97.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	98.5	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	103.9	%	30-130
	Terphenyl-d14	Surrogate Recovery	134.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	100.4	%	30-130
09B05256					
	Phenol-d6	Surrogate Recovery	79.4	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	64.8	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	66.1	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	67.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	87.9	%	30-130
	2-Fluorophenol	Surrogate Recovery	76.4	%	30-130

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B05257					
	Phenol-d6	Surrogate Recovery	76.1	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	60.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	63.8	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	71.7	%	30-130
	Terphenyl-d14	Surrogate Recovery	82.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	73.2	%	30-130
09B05258					
	Phenol-d6	Surrogate Recovery	73.8	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	55.9	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	58.0	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	55.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	69.5	%	30-130
	2-Fluorophenol	Surrogate Recovery	67.0	%	30-130
BLANK-130117					
	Naphthalene	Blank	<0.167	mg/kg dry wt	
	Acenaphthene	Blank	<0.167	mg/kg dry wt	
	Acenaphthylene	Blank	<0.167	mg/kg dry wt	
	Anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.167	mg/kg dry wt	
	Chrysene	Blank	<0.167	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.167	mg/kg dry wt	
	Fluoranthene	Blank	<0.167	mg/kg dry wt	
	Fluorene	Blank	<0.167	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.167	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.167	mg/kg dry wt	
	Phenanthrene	Blank	<0.167	mg/kg dry wt	
	Pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.167	mg/kg dry wt	
BLANK-130119					
	Naphthalene	Blank	<0.167	mg/kg dry wt	
	Acenaphthene	Blank	<0.167	mg/kg dry wt	
	Acenaphthylene	Blank	<0.167	mg/kg dry wt	
	Anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.167	mg/kg dry wt	
	Chrysene	Blank	<0.167	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.167	mg/kg dry wt	
	Fluoranthene	Blank	<0.167	mg/kg dry wt	

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BLANK-130119					
	Fluorene	Blank	<0.167	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.167	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.167	mg/kg dry wt	
	Phenanthrene	Blank	<0.167	mg/kg dry wt	
	Pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.167	mg/kg dry wt	
LFBLANK-92266					
	Naphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.028	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.720	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.030	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	61.799	%	
		Lab Fort Blank Range	0.079	units	
		Lab Fort Bl. Av. Rec	61.760	%	
		LFB Duplicate RPD	0.129	%	0-30
	Acenaphthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.053	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.199	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.065	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.919	%	
		Lab Fort Blank Range	0.719	units	
		Lab Fort Bl. Av. Rec	63.559	%	
		LFB Duplicate RPD	1.132	%	0-30
	Acenaphthylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.041	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.479	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.059	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.539	%	
		Lab Fort Blank Range	1.060	units	
		Lab Fort Bl. Av. Rec	63.009	%	
		LFB Duplicate RPD	1.682	%	0-30
	Anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.070	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.240	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.089	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.359	%	
		Lab Fort Blank Range	1.119	units	
		Lab Fort Bl. Av. Rec	64.799	%	
		LFB Duplicate RPD	1.728	%	0-30

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QC Batch Number: GCMS/SEMI-11974

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92266					
	Benzo(a)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.127	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.639	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.121	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.279	%	
		Lab Fort Blank Range	0.360	units	
		Lab Fort Bl. Av. Rec	67.459	%	
		LFB Duplicate RPD	0.533	%	0-30
	Benzo(a)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.111	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.659	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.099	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.980	%	
		Lab Fort Blank Range	0.679	units	
		Lab Fort Bl. Av. Rec	66.320	%	
		LFB Duplicate RPD	1.025	%	0-30
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.008	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.539	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.977	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.639	%	
		Lab Fort Blank Range	1.899	units	
		Lab Fort Bl. Av. Rec	59.589	%	
		LFB Duplicate RPD	3.188	%	0-30
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.211	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.659	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.298	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	77.879	%	
		Lab Fort Blank Range	5.220	units	
		Lab Fort Bl. Av. Rec	75.269	%	
		LFB Duplicate RPD	6.935	%	0-30
	Chrysene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.127	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.639	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.108	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.499	%	
		Lab Fort Blank Range	1.140	units	

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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: 3/3/2009 Lims Bat # : LIMT-23459

QC Batch Number: GCMS/SEMI-11974

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92266					
	Chrysene	Lab Fort Bl. Av. Rec	67.069	%	
		LFB Duplicate RPD	1.699	%	0-30
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.174	mg/kg dry wt	
		Lab Fort Blk. % Rec.	70.459	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.353	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	81.220	%	
		Lab Fort Blank Range	10.760	units	
		Lab Fort Bl. Av. Rec	75.839	%	
		LFB Duplicate RPD	14.187	%	0-30
	Fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.150	mg/kg dry wt	
		Lab Fort Blk. % Rec.	69.040	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.167	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.060	%	
		Lab Fort Blank Range	1.019	units	
		Lab Fort Bl. Av. Rec	69.550	%	
		LFB Duplicate RPD	1.466	%	0-30
	Fluorene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.052	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.139	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.128	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.699	%	
		Lab Fort Blank Range	4.560	units	
		Lab Fort Bl. Av. Rec	65.419	%	
		LFB Duplicate RPD	6.970	%	0-30
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.213	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.799	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.280	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	76.819	%	
		Lab Fort Blank Range	4.019	units	
		Lab Fort Bl. Av. Rec	74.809	%	
		LFB Duplicate RPD	5.373	%	0-30
	2-Methylnaphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.081	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.900	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.117	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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

Report Date: 3/3/2009 Lims Bat # : LIMT-23459

QC Batch Number: GCMS/SEMI-11974

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92266					
	2-Methylnaphthalene	Dup Lab Fort Bl %Rec	67.039	%	
		Lab Fort Blank Range	2.139	units	
		Lab Fort Bl. Av. Rec	65.969	%	
		LFB Duplicate RPD	3.243	%	0-30
	Phenanthrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.053	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.220	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.060	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.619	%	
		Lab Fort Blank Range	0.399	units	
		Lab Fort Bl. Av. Rec	63.419	%	
		LFB Duplicate RPD	0.630	%	0-30
	Pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.401	mg/kg dry wt	
		Lab Fort Blk. % Rec.	84.079	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.409	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	84.539	%	
		Lab Fort Blank Range	0.460	units	
		Lab Fort Bl. Av. Rec	84.309	%	
		LFB Duplicate RPD	0.545	%	0-30
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.115	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.940	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.059	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.559	%	
		Lab Fort Blank Range	3.380	units	
		Lab Fort Bl. Av. Rec	65.249	%	
		LFB Duplicate RPD	5.180	%	0-30
LFBLANK-92268					
	Naphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.092	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.519	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.085	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.140	%	
		Lab Fort Blank Range	0.379	units	
		Lab Fort Bl. Av. Rec	65.330	%	
		LFB Duplicate RPD	0.581	%	0-30
	Acenaphthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.016	mg/kg dry wt	

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QC SUMMARY REPORT

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

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

Report Date: 3/3/2009 Lims Bat # : LIMT-23459

QC Batch Number: GCMS/SEMI-11974

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92268					
	Acenaphthene	Lab Fort Blk. % Rec.	61.000	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.083	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.020	%	
		Lab Fort Blank Range	4.019	units	
		Lab Fort Bl. Av. Rec	63.010	%	
		LFB Duplicate RPD	6.379	%	0-30
	Acenaphthylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.036	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.179	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.089	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.380	%	
		Lab Fort Blank Range	3.200	units	
		Lab Fort Bl. Av. Rec	63.779	%	
		LFB Duplicate RPD	5.017	%	0-30
	Anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.066	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.979	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.117	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.060	%	
		Lab Fort Blank Range	3.080	units	
		Lab Fort Bl. Av. Rec	65.519	%	
		LFB Duplicate RPD	4.700	%	0-30
	Benzo(a)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.042	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.519	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.104	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.259	%	
		Lab Fort Blank Range	3.739	units	
		Lab Fort Bl. Av. Rec	64.389	%	
		LFB Duplicate RPD	5.808	%	0-30
	Benzo(a)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.062	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.760	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.127	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.660	%	
		Lab Fort Blank Range	3.899	units	
		Lab Fort Bl. Av. Rec	65.710	%	
		LFB Duplicate RPD	5.935	%	0-30

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 3/3/2009 Lims Bat # : LIMT-23459

QC Batch Number: GCMS/SEMI-11974

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92268					
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.152	mg/kg dry wt	
		Lab Fort Blk. % Rec.	69.139	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.277	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	76.639	%	
		Lab Fort Blank Range	7.499	units	
		Lab Fort Bl. Av. Rec	72.889	%	
		LFB Duplicate RPD	10.289	%	0-30
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.896	mg/kg dry wt	
		Lab Fort Blk. % Rec.	53.799	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.801	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	48.059	%	
		Lab Fort Blank Range	5.740	units	
		Lab Fort Bl. Av. Rec	50.929	%	
		LFB Duplicate RPD	11.270	%	0-30
	Chrysene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.004	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.299	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.071	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.259	%	
		Lab Fort Blank Range	3.959	units	
		Lab Fort Bl. Av. Rec	62.279	%	
		LFB Duplicate RPD	6.358	%	0-30
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.914	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.839	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.845	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	50.739	%	
		Lab Fort Blank Range	4.100	units	
		Lab Fort Bl. Av. Rec	52.789	%	
		LFB Duplicate RPD	7.766	%	0-30
	Fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.203	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.179	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.235	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.099	%	
		Lab Fort Blank Range	1.920	units	

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QC SUMMARY REPORT

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QC Batch Number: GCMS/SEMI-11974

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92268					
	Fluoranthene	Lab Fort Bl. Av. Rec	73.139	%	
		LFB Duplicate RPD	2.625	%	0-30
	Fluorene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.929	mg/kg dry wt	
		Lab Fort Blk. % Rec.	55.759	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.038	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.279	%	
		Lab Fort Blank Range	6.519	units	
		Lab Fort Bl. Av. Rec	59.019	%	
		LFB Duplicate RPD	11.047	%	0-30
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.938	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.299	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.876	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	52.559	%	
		Lab Fort Blank Range	3.739	units	
		Lab Fort Bl. Av. Rec	54.429	%	
		LFB Duplicate RPD	6.871	%	0-30
	2-Methylnaphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.988	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.279	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.063	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.820	%	
		Lab Fort Blank Range	4.540	units	
		Lab Fort Bl. Av. Rec	61.550	%	
		LFB Duplicate RPD	7.376	%	0-30
	Phenanthrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.039	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.339	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.109	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.559	%	
		Lab Fort Blank Range	4.219	units	
		Lab Fort Bl. Av. Rec	64.449	%	
		LFB Duplicate RPD	6.547	%	0-30
	Pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.873	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.379	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.808	mg/kg dry wt	

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Report Date: 3/3/2009 Lims Bat # : LIMT-23459

QC Batch Number: GCMS/SEMI-11974

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92268					
	Pyrene	Dup Lab Fort Bl %Rec	48.519	%	
		Lab Fort Blank Range	3.859	units	
		Lab Fort Bl. Av. Rec	50.449	%	
		LFB Duplicate RPD	7.651	%	0-30
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.212	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.760	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.349	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	80.939	%	
		Lab Fort Blank Range	8.179	units	
		Lab Fort Bl. Av. Rec	76.850	%	
		LFB Duplicate RPD	10.644	%	0-30

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Report Date: 3/3/2009 Lims Bat # : LIMT-23459

QC Batch Number: ICP-21253

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130092					
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
LFBLANK-92232					
	Cadmium	Lab Fort Blank Amt.	258.00	mg/kg dry wt	
		Lab Fort Blk. Found	244.42	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.73	%	83-117
		Dup Lab Fort Bl Amt.	258.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	222.91	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.39	%	83-117
		Lab Fort Blank Range	8.33	units	
		Lab Fort Bl. Av. Rec	90.56	%	
		LFB Duplicate RPD	9.20	%	0-30
	Lead	Lab Fort Blank Amt.	136.00	mg/kg dry wt	
		Lab Fort Blk. Found	124.80	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.76	%	82-118
		Dup Lab Fort Bl Amt.	136.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	127.46	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.72	%	82-118
		Lab Fort Blank Range	1.95	units	
		Lab Fort Bl. Av. Rec	92.74	%	
		LFB Duplicate RPD	2.10	%	0-30

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 3/3/2009 Lims Bat # : LIMT-23459

QC Batch Number: ICP-21259

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B05245					
	Cadmium	Sample Amount	<0.34	mg/kg dry wt	
		Matrix Spk Amt Added	33.46	mg/kg dry wt	
		MS Amt Measured	35.35	mg/kg dry wt	
		Matrix Spike % Rec.	105.64	%	75-125
	Lead	Sample Amount	42.32	mg/kg dry wt	
		Duplicate Value	40.70	mg/kg dry wt	
		Duplicate RPD	3.91	%	0-35
		Sample Amount	42.32	mg/kg dry wt	
		Matrix Spk Amt Added	33.46	mg/kg dry wt	
		MS Amt Measured	78.27	mg/kg dry wt	
		Matrix Spike % Rec.	107.40	%	75-125
BLANK-130128					
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
LFBLANK-92281					
	Cadmium	Lab Fort Blank Amt.	258.00	mg/kg dry wt	
		Lab Fort Blk. Found	264.45	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.50	%	83-117
		Dup Lab Fort Bl Amt.	258.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	293.20	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	113.64	%	83-117
		Lab Fort Blank Range	11.14	units	
		Lab Fort Bl. Av. Rec	108.07	%	
		LFB Duplicate RPD	10.31	%	0-30
	Lead	Lab Fort Blank Amt.	136.00	mg/kg dry wt	
		Lab Fort Blk. Found	144.19	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.02	%	82-118
		Dup Lab Fort Bl Amt.	136.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	144.88	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.53	%	82-118
		Lab Fort Blank Range	0.50	units	
		Lab Fort Bl. Av. Rec	106.28	%	
		LFB Duplicate RPD	0.47	%	0-30

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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: 3/3/2009 Lims Bat # : LIMT-23459

QC Batch Number: ICP-21260

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B05251					
	Cadmium	Sample Amount	0.82	mg/kg dry wt	
		Duplicate Value	0.76	mg/kg dry wt	
		Duplicate RPD	7.45	%	0-35
		Sample Amount	0.82	mg/kg dry wt	
		Matrix Spk Amt Added	33.69	mg/kg dry wt	
		MS Amt Measured	33.48	mg/kg dry wt	
		Matrix Spike % Rec.	96.92	%	75-125
	Lead	Sample Amount	1827.22	mg/kg dry wt	
		Duplicate Value	759.94	mg/kg dry wt	
		Duplicate RPD	82.50	%	0-35
		Sample Amount	1827.22	mg/kg dry wt	
		Matrix Spk Amt Added	33.69	mg/kg dry wt	
		MS Amt Measured	888.14	mg/kg dry wt	
		Matrix Spike % Rec.	-2787.20	%	75-125
BLANK-130129					
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
LFBLANK-92282					
	Cadmium	Lab Fort Blank Amt.	258.00	mg/kg dry wt	
		Lab Fort Blk. Found	258.88	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.34	%	83-117
		Dup Lab Fort Bl Amt.	258.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	269.44	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.43	%	83-117
		Lab Fort Blank Range	4.09	units	
		Lab Fort Bl. Av. Rec	102.38	%	
		LFB Duplicate RPD	3.99	%	0-30
	Lead	Lab Fort Blank Amt.	136.00	mg/kg dry wt	
		Lab Fort Blk. Found	147.59	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.52	%	82-118
		Dup Lab Fort Bl Amt.	136.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	148.69	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.33	%	82-118
		Lab Fort Blank Range	0.81	units	
		Lab Fort Bl. Av. Rec	108.93	%	
		LFB Duplicate RPD	0.74	%	0-30

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QC SUMMARY REPORT

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

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

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-23459
Project Location: NEW BEDFORD - WALSH	MADEP RTN[1]:

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

09B05238 - 09B05258

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

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

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

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

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

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

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

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

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

Signature: Edward Denson	**Position: Technical Director**
Printed Name: Edward Denson	**Date:** 3/3/09

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CHAIN OF CUSTODY RECORD

Limt-23459

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

Company Name: TRC
Address: 650 Suffolk St. Lowell, MA
Attention: David Sullivan
Project Location: New Bedford - Walsh
Sampled By: C. Foster / K. Kitchin

Telephone: (978) 970-5600
Project # 115058
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

Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	Cd + Pb									# of containers	**Preservation	~Cont.Code
																		8	1	G
									ANALYSIS REQUESTED											
	WFD6-B(0-1)	05238	2/23/09	0840		X	S	U	X											
	WFD6-B(1-3)	05239	↓	0845		↓	↓	↓	↓											
	WFD6-F(0-1) HOLD		↓	0855		↓	↓	↓	↓		HOLD									HOLD
	WFD6-F(1-3) HOLD		↓	0900		↓	↓	↓	↓		HOLD									HOLD
	WFD6-D(0-1)	05240	↓	0915		↓	↓	↓	↓											
	WFD6-D(1-3)	05241	↓	0920		↓	↓	↓	↓											
	~~WFD-6~~ WFD6-H(0-1) HOLD		↓	0935		↓	↓	↓	↓		HOLD									HOLD
	WFD6-H(1-3) HOLD		↓	0940		↓	↓	↓	↓		HOLD									HOLD

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

Client Comments:

Laboratory Comments: Hold all remaining aliquots of soil for possible TCLP analysis pending results.
CH

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

Relinquished by: (signature)	Date/Time: 2/23/09 1600
Received by: (signature)	Date/Time: 2-23-9 1600
Relinquished by: (signature)	Date/Time: 2-23-9 1500
Received by: (signature) 3.0°	Date/Time: 2/23/09 1500

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

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

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

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

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

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

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CHAIN OF CUSTODY RECORD

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

Limt-23459

Company Name: TRC
Address: 650 Suffolk St.
Lowell, MA
Attention: David Sullivan
Project Location: New Bedford - Walsh
Sampled By: C. Foster / K Kitchin

Telephone: (978) 970-5600
Project # 115058
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 # 096	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	Cd + Pb									# of containers / **Preservation / ~Cont.Code	Client Comments:
	WFD6-C (0-1)	05242	0950	2/23/09		X	S	U	X										
	WFD6-C (1-3)	05243	0955	2/23/09															
	WFD6D4 (0-1)	05244	0850	2/23/09															
	WFD6-G (0-1) HOLD		2/23/09	1010						HOLD									HOLD
	WFD6-G (1-3) HOLD			1015						HOLD									HOLD
	WFD6-A (0-1) MS/DUP	05245		1030						MS/DUP									MS/DUP
	WFD6-A (1-3) MS/DUP	~~05246~~ 05247		1035															
	WFD6-E (0-1) HOLD			1050						HOLD									HOLD

Laboratory Comments: Hold all remaining aliquots of soil for possible TCLP analysis pending results.
CH

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

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

Relinquished by: (signature)	Date/Time: 2/23/09 1600
Received by: (signature)	Date/Time: 2-23-9 1600
Relinquished by: (signature)	Date/Time: 2-23-9 1800
Received by: (signature)	Date/Time: 2/23/09 1800

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

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

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

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

LIMT-23459

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

Company Name: TRC
Address: 650 Suffolk St. Lowell, MA
Attention: David Sullivan
Project Location: New Bedford - Walsh
Sampled By: C. Foster / K. Kitching

Telephone: (978) 970-5600
Project # 115058
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

																				# of containers
																				9
																				1
																				G
Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Cd + Pb	PAH (8AP)										~Cont.Code
	WFD6-E (1-3) HOLD		2/23/09	1055		X	S	U	X									HOLD		
	WFE-5-G (0-1) HOLD			1125						X								HOLD		
	WFE-5-G (1-3) HOLD			1130														HOLD		
	WFE-5-C (0-1)	~~05247~~ 05248		1140																
	WFE-5-C (1-3)	~~05248~~ 05249		1145																
	WFE-5-A (0-1)	~~05249~~ 05250		1155																
	WFE-5-A (1-3) MS/DUP	~~05250~~ 05251		1200									MS/DUP (2-8oz. jars)							MS/DUP
	WFE-5-E (0-1) HOLD			1210														HOLD		HOLD

MK 2/24

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments: Hold all remaining aliquots of soil for possible TCLP analysis pending results
CH

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

Relinquished by: (signature)	Date/Time: 2/23/09 1600
Received by: (signature)	Date/Time: 2-23-9 1600
Relinquished by: (signature)	Date/Time: 2-23-9 1500
Received by: (signature)	Date/Time: 2/23/09 1900

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

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

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

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

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
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CHAIN OF CUSTODY RECORD

Limt 23459

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

Company Name: TRC
Address: 650 Suffolk St.
Lowell, MA
Attention: David Sullivan
Project Location: New Bedford - Walsh
Sampled By: C. Foster / K. Kitching

Telephone: (978) 970-5600
Project # 115058
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	Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Cd + Pb	PAH (BAP)									# of containers	**Preservation	~Cont.Code
																			8		
																			1	1	
																			G	G	
	WFE-5-E (1-3) HOLD		2/23/09	1215		X	S	U	X	X			HOLD								
	WFE-5-H (0-1) HOLD			1320									HOLD								
	WFE-5-H (1-3) HOLD			1325									HOLD								
	WFE-5-D (0-1)	05252		1335																	
	WFE-5-D (1-3)	05253		1340																	
	WFE-5-B (0-1)	05254		1350																	
	WFE-5-B (1-3)	05255		1355																	
	WFE-5-DS (1-3)	05256		1255																	

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

Client Comments:

Laboratory Comments: Hold all remaining aliquotes of soil for possible TCLP analysis
CH

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
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Relinquished by: (signature)	Date/Time: 2-23-9 1900	
Received by: (signature) 3.0°	Date/Time: 2/23/09 1900	

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

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

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

****Preservation Codes:**
I = Iced
H = HCL
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Sampled By: C. Foster / K. Kitchin

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Fax # :
Email: dsullivan@trcsolutions.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☒ yes ☐ no

Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Pb + Cd	PAH (BAP)		ANALYSIS REQUESTED
# of containers									6			
**Preservation									I	I		
~Cont.Code									G	G		
	WFE-5-F (0-1) HOLD		2/23/09	1410		X	S	U	X	X		HOLD
	WFE-5-F (1-3) HOLD			1415								HOLD
	WFF-5-H (0-1) HOLD			1440								HOLD
	WFF-5-H (1-3) HOLD			1445								HOLD
	WFF-5-D (0-1)	05757		1500								
	WFF-5-D (1-3)	05758		1505								

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

Client Comments:

Laboratory Comments:
Hold all remaining soil aliquots for possible TCLP analysis pending results.
CH

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

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Received by: (signature)	Date/Time: 2/23/9 1600
Relinquished by: (signature)	Date/Time: 2/23/9 1900
Received by: (signature)	Date/Time: 2/24/09 1900

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

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

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

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

****Preservation Codes:**
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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_Low RECEIVED BY: CEC DATE: 2/23/09

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 ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

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

Temperature °C by Temp blank 3.2 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: _____

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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		8 oz clear jar	39
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		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