con-test®
ANALYTICAL LABORATORY

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

REPORT DATE 3/20/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23957
JOB NUMBER: 115058 TASK 44

PROJECT LOCATION: NEW BEDFORD, MA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
TB-01	09B07780	LIQUIDS	Not Specified	8260 mcp solid	
WFE5W	09B07781	SOIL	Not Specified	8082 drywt	
WFE5W	09B07781	SOIL	Not Specified	8260 mcp drywt	
WFE5W	09B07781	SOIL	Not Specified	metals-8 slg icp	
WFE5W	09B07781	SOIL	Not Specified	pah - sludge	
WFE5W	09B07781	SOIL	Not Specified	solids (percent)	
WFE5W	09B07781	SOIL	Not Specified	tph gc dry 8100m	

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ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23957
JOB NUMBER: 115058 TASK 44

Comments :

LIMS BATCH NO. : LIMT-23957

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples analyzed by method(s) listed unless listed below: None Exceeded

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

In Method SW846 8100m-TPH, sample 09B07781 was extracted 3/17/09 using SW846 3546 Microwave.

In method 8260, the initial and/or continuing calibration did not meet method specifications. For samples 09B07780 and 781, Tetrahydrofuran and 1,4-Dioxane were calibrated with a relative response factor <0.05.

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

DETAILED CASE NARRATIVE

METHOD SW846 8260 - ADDITIONAL DETAILS

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative.
Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, and bromomethane
Additional difficult analytes in water only: 2,2-dichloropropane and tetrachloroethylene
Additional difficult analytes in soil only: 1,2,3-trichloropropane, methylene chloride, n-butylbenzene, and tert-butylbenzene
Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for "difficult analytes" where RPDs of 50% are used and/or unless otherwise listed in this narrative.
Difficult analyte: 1,4-dioxane
Compounds outside of control limits:

In method 8260, data is not affected by laboratory fortified blank (laboratory control sample) and duplicate recovery outlier(s) for Acetone in sample 09B07780 and 781 since all results are "not detected" and recovery bias is on the high side.

All 8260 surrogate standard recoveries were within control limits specified by the method
Unless listed below: None outside of control limits

8260 QC SURROGATE RECOVERIES

BLANK-130682 and 130684
D4-1,2-DICHLOROETHANE: 86.8%
D8-TOLUENE: 96.8%
BROMOFLUOROBENZENE: 97.9%

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ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23957
JOB NUMBER: 115058 TASK 44

LFBLANK-92877	LFB	LFB DUPLICATE
D4-1,2-DICHLOROETHANE:	91.5%	88.4%
D8-TOLUENE:	101.2%	103.0%
BROMOFLUOROBENZENE:	102.2%	106.5%

All analyte list compounds were reported for method 8260 unless noted below:
Only the MCP compounds 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

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 (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.

8270 QC SURROGATE RECOVERIES

BLANK-130814

NITROBENZENE-D5:	105%
2-FLUOROBIPHENYL:	99%
TERPHENYL-D14:	127%

LFBLANK-93019	LFB	LFB DUPLICATE
NITROBENZENE-D5:	109%	102%
2-FLUOROBIPHENYL:	110%	104%
TERPHENYL-D14:	131%	122%

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

METHOD SW846 8082 - ADDITIONAL DETAILS

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

Surrogate standard recoveries of confirmatory column results are reported below:

PCB QC Surrogate recoveries

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REPORT DATE 3/20/2009

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650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23957
JOB NUMBER: 115058 TASK 44

BLANK-13083

Column #1	
Tetrachloro-m-xylene:	111%
Decachlorobiphenyl:	116%
Column #2	
Tetrachloro-m-xylene:	105%
Decachlorobiphenyl:	109 %

LFBLANK-93006	LFB	LFB DUPLICATE
Column #1		
Tetrachloro-m-xylene:	112%	118%
Decachlorobiphenyl:	119%	120%
Column #2		
Tetrachloro-m-xylene:	108%	115%
Decachlorobiphenyl:	122%	125%

Sample #09B07781

Confirmation column	
Tetrachloro-m-xylene	98.2%
Decachlorobiphenyl	106%

METHOD SW846-6010 - ADDITIONAL DETAILS

Only RCRA 8 elements 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 3/25/09

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

3/20/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009
Field Sample # : WFE5W

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

Sample ID : 09B07781

‡Sampled : 3/12/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
PCB 1016	mg/kg dry wt	ND	03/18/09	JMR	0.140			
PCB-1221	mg/kg dry wt	ND	03/18/09	JMR	0.140			
PCB-1232	mg/kg dry wt	ND	03/18/09	JMR	0.140			
PCB-1242	mg/kg dry wt	ND	03/18/09	JMR	0.140			
PCB-1248	mg/kg dry wt	ND	03/18/09	JMR	0.140			
PCB-1254	mg/kg dry wt	ND	03/18/09	JMR	0.140			
PCB-1260	mg/kg dry wt	ND	03/18/09	JMR	0.140			
PCB 1262	mg/kg dry wt	ND	03/18/09	JMR	0.140			
PCB 1268	mg/kg dry wt	ND	03/18/09	JMR	0.140			
Extraction Date PCBs		3/17/2009	03/18/09	JMR				

Analytical Method:
SW846 8081/8082
SAMPLES ARE EXTRACTED BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), CONCENTRATED, AND ANALYZED BY GAS CHROMATOGRAPHY WITH ELECTRON CAPTURE DETECTION.

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.

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

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LOWELL, MA 01852

3/20/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009
Field Sample # : WFE5W

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

Sample ID : 09B07781

‡Sampled : 3/12/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	03/16/09	MFF	0.11			
tert-Amylmethyl Ether	mg/kg dry wt	ND	03/16/09	MFF	0.002			
Benzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Bromobenzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Bromochloromethane	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Bromodichloromethane	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Bromoform	mg/kg dry wt	ND	03/16/09	MFF	0.011			
Bromomethane	mg/kg dry wt	ND	03/16/09	MFF	0.011			
2-Butanone (MEK)	mg/kg dry wt	ND	03/16/09	MFF	0.043			
n-Butylbenzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
sec-Butylbenzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
tert-Butylbenzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
tert-Butylethyl Ether	mg/kg dry wt	ND	03/16/09	MFF	0.002			
Carbon Disulfide	mg/kg dry wt	ND	03/16/09	MFF	0.007			
Carbon Tetrachloride	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Chlorobenzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Chlorodibromomethane	mg/kg dry wt	ND	03/16/09	MFF	0.011			
Chloroethane	mg/kg dry wt	ND	03/16/09	MFF	0.022			
Chloroform	mg/kg dry wt	ND	03/16/09	MFF	0.005			
Chloromethane	mg/kg dry wt	ND	03/16/09	MFF	0.011			
2-Chlorotoluene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
4-Chlorotoluene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,2-Dibromoethane	mg/kg dry wt	ND	03/16/09	MFF	0.002			
Dibromomethane	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,2-Dichlorobenzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,3-Dichlorobenzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,4-Dichlorobenzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Dichlorodifluoromethane	mg/kg dry wt	ND	03/16/09	MFF	0.022			

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3/20/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009
Field Sample # : WFE5W

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

Sample ID : 09B07781

‡Sampled : 3/12/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1-Dichloroethane	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,2-Dichloroethane	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,1-Dichloroethylene	mg/kg dry wt	ND	03/16/09	MFF	0.005			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,2-Dichloropropane	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,3-Dichloropropane	mg/kg dry wt	ND	03/16/09	MFF	0.002			
2,2-Dichloropropane	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,1-Dichloropropene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	03/16/09	MFF	0.011			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	03/16/09	MFF	0.011			
Diethyl Ether	mg/kg dry wt	ND	03/16/09	MFF	0.022			
Diisopropyl Ether	mg/kg dry wt	ND	03/16/09	MFF	0.002			
1,4-Dioxane	mg/kg dry wt	ND	03/16/09	MFF	0.11			
Ethyl Benzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Hexachlorobutadiene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
2-Hexanone	mg/kg dry wt	ND	03/16/09	MFF	0.022			
Isopropylbenzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
p-Isopropyltoluene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
MTBE	mg/kg dry wt	ND	03/16/09	MFF	0.005			
Methylene Chloride	mg/kg dry wt	ND	03/16/09	MFF	0.022			
MIBK	mg/kg dry wt	ND	03/16/09	MFF	0.022			
Naphthalene	mg/kg dry wt	ND	03/16/09	MFF	0.011			
n-Propylbenzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Styrene	mg/kg dry wt	ND	03/16/09	MFF	0.011			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	03/16/09	MFF	0.002			
Tetrachloroethylene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Tetrahydrofuran	mg/kg dry wt	ND	03/16/09	MFF	0.011			

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650 SUFFOLK STREET
LOWELL, MA 01852

3/20/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009
Field Sample # : WFE5W

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

Sample ID : 09B07781

‡Sampled : 3/12/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Toluene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	03/16/09	MFF	0.011			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	03/16/09	MFF	0.005			
1,1,1-Trichloroethane	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,1,2-Trichloroethane	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Trichloroethylene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Trichlorofluoromethane	mg/kg dry wt	ND	03/16/09	MFF	0.011			
1,2,3-Trichloropropane	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	03/16/09	MFF	0.003			
Vinyl Chloride	mg/kg dry wt	ND	03/16/09	MFF	0.011			
m + p Xylene	mg/kg dry wt	ND	03/16/09	MFF	0.005			
o-Xylene	mg/kg dry wt	ND	03/16/09	MFF	0.003			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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650 SUFFOLK STREET
LOWELL, MA 01852

3/20/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009
Field Sample # : TB-01

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

Sample ID : 09B07780

‡Sampled : 3/12/2009
Not Specified

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg	ND	03/16/09	MFF	0.10			
tert-Amylmethyl Ether	mg/kg	ND	03/16/09	MFF	0.001			
Benzene	mg/kg	ND	03/16/09	MFF	0.002			
Bromobenzene	mg/kg	ND	03/16/09	MFF	0.002			
Bromochloromethane	mg/kg	ND	03/16/09	MFF	0.002			
Bromodichloromethane	mg/kg	ND	03/16/09	MFF	0.002			
Bromoform	mg/kg	ND	03/16/09	MFF	0.010			
Bromomethane	mg/kg	ND	03/16/09	MFF	0.010			
2-Butanone (MEK)	mg/kg	ND	03/16/09	MFF	0.040			
n-Butylbenzene	mg/kg	ND	03/16/09	MFF	0.002			
sec-Butylbenzene	mg/kg	ND	03/16/09	MFF	0.002			
tert-Butylbenzene	mg/kg	ND	03/16/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg	ND	03/16/09	MFF	0.001			
Carbon Disulfide	mg/kg	ND	03/16/09	MFF	0.006			
Carbon Tetrachloride	mg/kg	ND	03/16/09	MFF	0.002			
Chlorobenzene	mg/kg	ND	03/16/09	MFF	0.002			
Chlorodibromomethane	mg/kg	ND	03/16/09	MFF	0.010			
Chloroethane	mg/kg	ND	03/16/09	MFF	0.020			
Chloroform	mg/kg	ND	03/16/09	MFF	0.004			
Chloromethane	mg/kg	ND	03/16/09	MFF	0.010			
2-Chlorotoluene	mg/kg	ND	03/16/09	MFF	0.002			
4-Chlorotoluene	mg/kg	ND	03/16/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg	ND	03/16/09	MFF	0.002			
1,2-Dibromoethane	mg/kg	ND	03/16/09	MFF	0.001			
Dibromomethane	mg/kg	ND	03/16/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg	ND	03/16/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg	ND	03/16/09	MFF	0.002			
1,4-Dichlorobenzene	mg/kg	ND	03/16/09	MFF	0.002			
Dichlorodifluoromethane	mg/kg	ND	03/16/09	MFF	0.020			

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

Purchase Order No.:

3/20/2009

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009
Field Sample # : TB-01

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

Sample ID : 09B07780

‡Sampled : 3/12/2009
Not Specified

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1-Dichloroethane	mg/kg	ND	03/16/09	MFF	0.002			
1,2-Dichloroethane	mg/kg	ND	03/16/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg	ND	03/16/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg	ND	03/16/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg	ND	03/16/09	MFF	0.002			
1,2-Dichloropropane	mg/kg	ND	03/16/09	MFF	0.002			
1,3-Dichloropropane	mg/kg	ND	03/16/09	MFF	0.001			
2,2-Dichloropropane	mg/kg	ND	03/16/09	MFF	0.002			
1,1-Dichloropropene	mg/kg	ND	03/16/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg	ND	03/16/09	MFF	0.010			
trans-1,3-Dichloropropene	mg/kg	ND	03/16/09	MFF	0.010			
Diethyl Ether	mg/kg	ND	03/16/09	MFF	0.020			
Diisopropyl Ether	mg/kg	ND	03/16/09	MFF	0.020			
1,4-Dioxane	mg/kg	ND	03/16/09	MFF	0.10			
Ethyl Benzene	mg/kg	ND	03/16/09	MFF	0.002			
Hexachlorobutadiene	mg/kg	ND	03/16/09	MFF	0.002			
2-Hexanone	mg/kg	ND	03/16/09	MFF	0.020			
Isopropylbenzene	mg/kg	ND	03/16/09	MFF	0.002			
p-Isopropyltoluene	mg/kg	ND	03/16/09	MFF	0.002			
MTBE	mg/kg	ND	03/16/09	MFF	0.004			
Methylene Chloride	mg/kg	ND	03/16/09	MFF	0.020			
MIBK	mg/kg	ND	03/16/09	MFF	0.020			
Naphthalene	mg/kg	ND	03/16/09	MFF	0.010			
n-Propylbenzene	mg/kg	ND	03/16/09	MFF	0.002			
Styrene	mg/kg	ND	03/16/09	MFF	0.010			
1,1,1,2-Tetrachloroethane	mg/kg	ND	03/16/09	MFF	0.002			
1,1,2,2-Tetrachloroethane	mg/kg	ND	03/16/09	MFF	0.001			
Tetrachloroethylene	mg/kg	ND	03/16/09	MFF	0.002			
Tetrahydrofuran	mg/kg	ND	03/16/09	MFF	0.010			

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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

3/20/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009
Field Sample # : TB-01

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

Sample ID : 09B07780

‡Sampled : 3/12/2009
Not Specified

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Toluene	mg/kg	ND	03/16/09	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg	ND	03/16/09	MFF	0.010			
1,2,4-Trichlorobenzene	mg/kg	ND	03/16/09	MFF	0.004			
1,1,1-Trichloroethane	mg/kg	ND	03/16/09	MFF	0.002			
1,1,2-Trichloroethane	mg/kg	ND	03/16/09	MFF	0.002			
Trichloroethylene	mg/kg	ND	03/16/09	MFF	0.002			
Trichlorofluoromethane	mg/kg	ND	03/16/09	MFF	0.010			
1,2,3-Trichloropropane	mg/kg	ND	03/16/09	MFF	0.002			
1,2,4-Trimethylbenzene	mg/kg	ND	03/16/09	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg	ND	03/16/09	MFF	0.002			
Vinyl Chloride	mg/kg	ND	03/16/09	MFF	0.010			
m + p Xylene	mg/kg	ND	03/16/09	MFF	0.004			
o-Xylene	mg/kg	ND	03/16/09	MFF	0.002			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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

3/20/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009
Field Sample # : WFE5W

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

Sample ID : 09B07781

‡Sampled : 3/12/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/kg dry wt	15.7	03/20/09	OP	3.50			
Barium	mg/kg dry wt	278	03/20/09	OP	6.99			
Cadmium	mg/kg dry wt	1.59	03/20/09	OP	0.35			
Chromium	mg/kg dry wt	16.7	03/20/09	OP	0.70			
Lead	mg/kg dry wt	655	03/20/09	OP	1.05			
Mercury	mg/kg dry wt	0.349	03/18/09	KM	0.022			
Selenium	mg/kg dry wt	ND	03/20/09	OP	6.99			
Silver	mg/kg dry wt	ND	03/20/09	OP	0.70			

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

3/20/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

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

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

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

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

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

Analytical Method: Mercury
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

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

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

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

3/20/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009
Field Sample # : WFE5W

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

Sample ID : 09B07781

‡Sampled : 3/12/2009
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	03/19/09	BGL	0.233			
Acenaphthylene	mg/kg dry wt	ND	03/19/09	BGL	0.233			
Anthracene	mg/kg dry wt	ND	03/19/09	BGL	0.233			
Benzo(a)anthracene	mg/kg dry wt	0.303	03/19/09	BGL	0.233			
Benzo(a)pyrene	mg/kg dry wt	0.287	03/19/09	BGL	0.233			
Benzo(b)fluoranthene	mg/kg dry wt	0.381	03/19/09	BGL	0.233			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	03/19/09	BGL	0.233			
Benzo(k)fluoranthene	mg/kg dry wt	ND	03/19/09	BGL	0.233			
Chrysene	mg/kg dry wt	0.336	03/19/09	BGL	0.233			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	03/19/09	BGL	0.233			
Fluoranthene	mg/kg dry wt	0.521	03/19/09	BGL	0.233			
Fluorene	mg/kg dry wt	ND	03/19/09	BGL	0.233			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	03/19/09	BGL	0.233			
2-Methylnaphthalene	mg/kg dry wt	ND	03/19/09	BGL	0.233			
Naphthalene	mg/kg dry wt	ND	03/19/09	BGL	0.233			
Phenanthrene	mg/kg dry wt	0.558	03/19/09	BGL	0.233			
Pyrene	mg/kg dry wt	0.646	03/19/09	BGL	0.233			
Extraction Date 8270		3/17/2009	03/19/09	BGL				

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

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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

3/20/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009
Field Sample # : WFE5W

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

Sample ID : 09B07781

‡Sampled : 3/12/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	71.6	03/17/09	FD				

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

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

3/20/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009
Field Sample # : WFE5W

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

Sample ID : 09B07781

‡Sampled : 3/12/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unknown Hydrocarbons	mg/kg dry wt	240	03/19/09	CJM	120			

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

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650 SUFFOLK STREET
LOWELL, MA 01852

3/20/2009

Purchase Order No.:

Project Location: NEW BEDFORD, MA
Date Received: 3/13/2009

LIMS-BAT #: LIMT-23957
Job Number: 115058 TASK 44

** END OF REPORT **

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con-test® ANALYTICAL LABORATORY

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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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GC/ECD-12208

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07781					
	Decachlorobiphenyl	Surrogate Recovery	103.0	%	30-150
	Tetrachloro-m-Xylene	Surrogate Recovery	101.7	%	30-150
BLANK-130803					
	PCB-1232	Blank	<0.100	mg/kg dry wt	
	PCB-1242	Blank	<0.100	mg/kg dry wt	
	PCB-1254	Blank	<0.100	mg/kg dry wt	
	PCB-1260	Blank	<0.100	mg/kg dry wt	
	PCB-1248	Blank	<0.100	mg/kg dry wt	
	PCB-1221	Blank	<0.100	mg/kg dry wt	
	PCB 1016	Blank	<0.100	mg/kg dry wt	
	PCB 1262	Blank	<0.100	mg/kg dry wt	
	PCB 1268	Blank	<0.100	mg/kg dry wt	
LFBLANK-93006					
	PCB-1260	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.220	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.000	%	40-140
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.226	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	113.250	%	
		Lab Fort Blank Range	3.249	units	
		Lab Fort Bl. Av. Rec	111.625	%	
		LFB Duplicate RPD	2.911	%	0-30
	PCB 1016	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.207	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.500	%	40-140
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.219	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.750	%	
		Lab Fort Blank Range	6.249	units	
		Lab Fort Bl. Av. Rec	106.625	%	
		LFB Duplicate RPD	5.861	%	0-30

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QC SUMMARY REPORT

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

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

Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GC/FID-23285

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130840					
	Unknown Hydrocarbons	Blank	<8.4	mg/kg dry wt	
LFBLANK-93044					
	Unknown Hydrocarbons	Lab Fort Blank Amt.	33.3	mg/kg dry wt	
		Lab Fort Blk. Found	29.1	mg/kg dry wt	
		Lab Fort Blk. % Rec.	87.3	%	
		Dup Lab Fort Bl Amt.	33.3	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	31.4	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.2	%	
		Lab Fort Blank Range	6.9	units	
		Lab Fort Bl. Av. Rec	90.7	%	
		LFB Duplicate RPD	7.6	%	

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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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/SEMI-12047

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07781					
	Nitrobenzene-d5	Surrogate Recovery	79.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	73.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	81.1	%	30-130
BLANK-130814					
	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	
LFBLANK-93019					
	Naphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.515	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.940	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.513	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.820	%	
		Lab Fort Blank Range	0.120	units	
		Lab Fort Bl. Av. Rec	90.880	%	
		LFB Duplicate RPD	0.132	%	0-30
	Acenaphthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.560	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.619	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.494	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.680	%	
		Lab Fort Blank Range	3.939	units	
		Lab Fort Bl. Av. Rec	91.649	%	
		LFB Duplicate RPD	4.298	%	0-30
	Acenaphthylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.521	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.279	%	40-140

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QC SUMMARY REPORT

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

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

Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/SEMI-12047

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93019					
	Acenaphthylene	Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.470	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	88.240	%	
		Lab Fort Blank Range	3.039	units	
		Lab Fort Bl. Av. Rec	89.759	%	
		LFB Duplicate RPD	3.386	%	0-30
	Anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.600	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.040	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.539	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.339	%	
		Lab Fort Blank Range	3.700	units	
		Lab Fort Bl. Av. Rec	94.189	%	
		LFB Duplicate RPD	3.928	%	0-30
	Benzo(a)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.641	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.459	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.564	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.880	%	
		Lab Fort Blank Range	4.579	units	
		Lab Fort Bl. Av. Rec	96.169	%	
		LFB Duplicate RPD	4.762	%	0-30
	Benzo(a)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.643	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.620	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.586	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.179	%	
		Lab Fort Blank Range	3.440	units	
		Lab Fort Bl. Av. Rec	96.899	%	
		LFB Duplicate RPD	3.550	%	0-30
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.522	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.319	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.455	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.319	%	
		Lab Fort Blank Range	4.000	units	
		Lab Fort Bl. Av. Rec	89.319	%	
		LFB Duplicate RPD	4.478	%	0-30
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	1.666	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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/SEMI-12047

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93019					
	Benzo(g,h,i)perylene	Lab Fort Blk. Found	1.423	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.399	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.415	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	84.940	%	
		Lab Fort Blank Range	0.459	units	
		Lab Fort Bl. Av. Rec	85.169	%	
		LFB Duplicate RPD	0.540	%	0-30
	Chrysene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.613	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.820	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.546	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.779	%	
		Lab Fort Blank Range	4.040	units	
		Lab Fort Bl. Av. Rec	94.799	%	
		LFB Duplicate RPD	4.261	%	0-30
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.631	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.900	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.561	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.659	%	
		Lab Fort Blank Range	4.240	units	
		Lab Fort Bl. Av. Rec	95.779	%	
		LFB Duplicate RPD	4.426	%	0-30
	Fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.333	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.020	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.252	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	75.119	%	
		Lab Fort Blank Range	4.900	units	
		Lab Fort Bl. Av. Rec	77.569	%	
		LFB Duplicate RPD	6.316	%	0-30
	Fluorene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.576	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.559	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.503	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.199	%	
		Lab Fort Blank Range	4.360	units	
		Lab Fort Bl. Av. Rec	92.379	%	

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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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/SEMI-12047

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93019					
	Fluorene	LFB Duplicate RPD	4.719	%	0-30
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.711	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.660	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.636	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.159	%	
		Lab Fort Blank Range	4.500	units	
		Lab Fort Bl. Av. Rec	100.410	%	
		LFB Duplicate RPD	4.481	%	0-30
	2-Methylnaphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.516	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.959	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.413	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	84.799	%	
		Lab Fort Blank Range	6.160	units	
		Lab Fort Bl. Av. Rec	87.879	%	
		LFB Duplicate RPD	7.009	%	0-30
	Phenanthrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.605	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.340	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.542	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.560	%	
		Lab Fort Blank Range	3.780	units	
		Lab Fort Bl. Av. Rec	94.450	%	
		LFB Duplicate RPD	4.002	%	0-30
	Pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.802	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.140	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.748	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.920	%	
		Lab Fort Blank Range	3.219	units	
		Lab Fort Bl. Av. Rec	106.530	%	
		LFB Duplicate RPD	3.022	%	0-30
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.541	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.479	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.501	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.059	%	

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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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/SEMI-12047

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93019					
	Benzo(k)fluoranthene	Lab Fort Blank Range	2.419	units	
		Lab Fort Bl. Av. Rec	91.269	%	
		LFB Duplicate RPD	2.651	%	0-30

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21729

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07780					
	1,2-Dichloroethane-d4	Surrogate Recovery	88.720	%	70-130
	Toluene-d8	Surrogate Recovery	96.520	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.520	%	70-130
BLANK-130682					
	Acetone	Blank	<0.10	mg/kg	
	Benzene	Blank	<0.002	mg/kg	
	Carbon Tetrachloride	Blank	<0.002	mg/kg	
	Chloroform	Blank	<0.004	mg/kg	
	1,2-Dichloroethane	Blank	<0.002	mg/kg	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg	
	Ethyl Benzene	Blank	<0.002	mg/kg	
	2-Butanone (MEK)	Blank	<0.040	mg/kg	
	MIBK	Blank	<0.020	mg/kg	
	Naphthalene	Blank	<0.010	mg/kg	
	Styrene	Blank	<0.010	mg/kg	
	Tetrachloroethylene	Blank	<0.002	mg/kg	
	Toluene	Blank	<0.002	mg/kg	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg	
	Trichloroethylene	Blank	<0.002	mg/kg	
	Trichlorofluoromethane	Blank	<0.010	mg/kg	
	o-Xylene	Blank	<0.002	mg/kg	
	m + p Xylene	Blank	<0.004	mg/kg	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg	
	1,3-Dichlorobenzene	Blank	<0.002	mg/kg	
	1,1-Dichloroethane	Blank	<0.002	mg/kg	
	1,1-Dichloroethylene	Blank	<0.004	mg/kg	
	1,4-Dioxane	Blank	<0.10	mg/kg	
	MTBE	Blank	<0.004	mg/kg	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg	
	Vinyl Chloride	Blank	<0.010	mg/kg	
	Methylene Chloride	Blank	<0.020	mg/kg	
	Chlorobenzene	Blank	<0.002	mg/kg	
	Chloromethane	Blank	<0.010	mg/kg	
	Bromomethane	Blank	<0.010	mg/kg	
	Chloroethane	Blank	<0.020	mg/kg	
	cis-1,3-Dichloropropene	Blank	<0.010	mg/kg	
	trans-1,3-Dichloropropene	Blank	<0.010	mg/kg	
	Chlorodibromomethane	Blank	<0.010	mg/kg	
	1,1,2-Trichloroethane	Blank	<0.002	mg/kg	
	Bromoform	Blank	<0.010	mg/kg	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg	
	2-Chlorotoluene	Blank	<0.002	mg/kg	
	Hexachlorobutadiene	Blank	<0.002	mg/kg	

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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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21729

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130682					
	Isopropylbenzene	Blank	<0.002	mg/kg	
	p-Isopropyltoluene	Blank	<0.002	mg/kg	
	n-Propylbenzene	Blank	<0.002	mg/kg	
	sec-Butylbenzene	Blank	<0.002	mg/kg	
	tert-Butylbenzene	Blank	<0.002	mg/kg	
	1,2,3-Trichlorobenzene	Blank	<0.010	mg/kg	
	1,2,4-Trichlorobenzene	Blank	<0.004	mg/kg	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg	
	Dibromomethane	Blank	<0.002	mg/kg	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg	
	4-Chlorotoluene	Blank	<0.002	mg/kg	
	1,1-Dichloropropene	Blank	<0.002	mg/kg	
	1,2-Dichloropropane	Blank	<0.002	mg/kg	
	1,3-Dichloropropane	Blank	<0.001	mg/kg	
	2,2-Dichloropropane	Blank	<0.002	mg/kg	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg	
	n-Butylbenzene	Blank	<0.002	mg/kg	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg	
	Bromochloromethane	Blank	<0.002	mg/kg	
	Bromobenzene	Blank	<0.002	mg/kg	
	Carbon Disulfide	Blank	<0.006	mg/kg	
	2-Hexanone	Blank	<0.020	mg/kg	
	Diethyl Ether	Blank	<0.020	mg/kg	
	Bromodichloromethane	Blank	<0.002	mg/kg	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg	
	1,2-Dibromoethane	Blank	<0.001	mg/kg	
	Tetrahydrofuran	Blank	<0.010	mg/kg	
	Diisopropyl Ether	Blank	<0.020	mg/kg	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg	

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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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07781					
	1,2-Dichloroethane-d4	Surrogate Recovery	94.240	%	70-130
	Toluene-d8	Surrogate Recovery	96.280	%	70-130
	Bromofluorobenzene	Surrogate Recovery	98.000	%	70-130
BLANK-130684					
	Acetone	Blank	<0.10	mg/kg dry wt	
	Benzene	Blank	<0.002	mg/kg dry wt	
	Carbon Tetrachloride	Blank	<0.002	mg/kg dry wt	
	Chloroform	Blank	<0.004	mg/kg dry wt	
	1,2-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	Ethyl Benzene	Blank	<0.002	mg/kg dry wt	
	2-Butanone (MEK)	Blank	<0.040	mg/kg dry wt	
	MIBK	Blank	<0.020	mg/kg dry wt	
	Naphthalene	Blank	<0.010	mg/kg dry wt	
	Styrene	Blank	<0.010	mg/kg dry wt	
	Tetrachloroethylene	Blank	<0.002	mg/kg dry wt	
	Toluene	Blank	<0.002	mg/kg dry wt	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Trichloroethylene	Blank	<0.002	mg/kg dry wt	
	Trichlorofluoromethane	Blank	<0.010	mg/kg dry wt	
	o-Xylene	Blank	<0.002	mg/kg dry wt	
	m + p Xylene	Blank	<0.004	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethylene	Blank	<0.004	mg/kg dry wt	
	1,4-Dioxane	Blank	<0.10	mg/kg dry wt	
	MTBE	Blank	<0.004	mg/kg dry wt	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	Vinyl Chloride	Blank	<0.010	mg/kg dry wt	
	Methylene Chloride	Blank	<0.020	mg/kg dry wt	
	Chlorobenzene	Blank	<0.002	mg/kg dry wt	
	Chloromethane	Blank	<0.010	mg/kg dry wt	
	Bromomethane	Blank	<0.010	mg/kg dry wt	
	Chloroethane	Blank	<0.020	mg/kg dry wt	
	cis-1,3-Dichloropropene	Blank	<0.010	mg/kg dry wt	
	trans-1,3-Dichloropropene	Blank	<0.010	mg/kg dry wt	
	Chlorodibromomethane	Blank	<0.010	mg/kg dry wt	
	1,1,2-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Bromoform	Blank	<0.010	mg/kg dry wt	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg dry wt	
	2-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.002	mg/kg dry wt	

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Sample Matrix Spikes and Matrix Spike Duplicates

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130684					
	Isopropylbenzene	Blank	<0.002	mg/kg dry wt	
	p-Isopropyltoluene	Blank	<0.002	mg/kg dry wt	
	n-Propylbenzene	Blank	<0.002	mg/kg dry wt	
	sec-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	tert-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Blank	<0.010	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.004	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	4-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Dibromomethane	Blank	<0.002	mg/kg dry wt	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloropropene	Blank	<0.002	mg/kg dry wt	
	1,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,3-Dichloropropane	Blank	<0.001	mg/kg dry wt	
	2,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg dry wt	
	n-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg dry wt	
	Bromochloromethane	Blank	<0.002	mg/kg dry wt	
	Bromobenzene	Blank	<0.002	mg/kg dry wt	
	Carbon Disulfide	Blank	<0.006	mg/kg dry wt	
	2-Hexanone	Blank	<0.020	mg/kg dry wt	
	Diethyl Ether	Blank	<0.020	mg/kg dry wt	
	Bromodichloromethane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromoethane	Blank	<0.001	mg/kg dry wt	
	Tetrahydrofuran	Blank	<0.010	mg/kg dry wt	
	Diisopropyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg dry wt	
LFBLANK-92877					
	Acetone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.331	mg/kg dry wt	
		Lab Fort Blk. % Rec.	165.500	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.327	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	163.690	%	70-160
		Lab Fort Blank Range	1.810	units	
		Lab Fort Bl. Av. Rec	164.595	%	
		LFB Duplicate RPD	1.099	%	0-25
	Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	

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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates
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Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	Benzene	Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.600	%	70-130
		Lab Fort Blank Range	3.099	units	
		Lab Fort Bl. Av. Rec	108.050	%	
		LFB Duplicate RPD	2.869	%	0-25
	Carbon Tetrachloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.700	%	70-130
		Lab Fort Blank Range	5.499	units	
		Lab Fort Bl. Av. Rec	98.950	%	
		LFB Duplicate RPD	5.558	%	0-25
	Chloroform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.800	%	70-130
		Lab Fort Blank Range	5.400	units	
		Lab Fort Bl. Av. Rec	100.100	%	
		LFB Duplicate RPD	5.394	%	0-25
	1,2-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.000	%	70-130
		Lab Fort Blank Range	3.599	units	
		Lab Fort Bl. Av. Rec	96.200	%	
		LFB Duplicate RPD	3.742	%	0-25
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.100	%	70-130
		Lab Fort Blank Range	2.300	units	
		Lab Fort Bl. Av. Rec	93.950	%	

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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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	1,4-Dichlorobenzene	LFB Duplicate RPD	2.448	%	0-25
	Ethyl Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.400	%	70-130
		Lab Fort Blank Range	7.100	units	
		Lab Fort Bl. Av. Rec	105.850	%	
		LFB Duplicate RPD	6.707	%	0-25
	2-Butanone (MEK)	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.223	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.840	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.221	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.590	%	70-160
		Lab Fort Blank Range	1.250	units	
		Lab Fort Bl. Av. Rec	111.215	%	
		LFB Duplicate RPD	1.123	%	0-25
	MIBK	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.220	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.040	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.220	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.220	%	70-160
		Lab Fort Blank Range	0.180	units	
		Lab Fort Bl. Av. Rec	110.130	%	
		LFB Duplicate RPD	0.163	%	0-25
	Naphthalene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.800	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	88.800	%	40-130
		Lab Fort Blank Range	3.000	units	
		Lab Fort Bl. Av. Rec	90.300	%	
		LFB Duplicate RPD	3.322	%	0-25
	Styrene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.300	%	70-130

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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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	Styrene	Lab Fort Blank Range	4.000	units	
		Lab Fort Bl. Av. Rec	100.300	%	
		LFB Duplicate RPD	3.988	%	0-25
	Tetrachloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.300	%	70-130
		Lab Fort Blank Range	4.299	units	
		Lab Fort Bl. Av. Rec	107.150	%	
		LFB Duplicate RPD	4.013	%	0-25
	Toluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.800	%	70-130
		Lab Fort Blank Range	1.999	units	
		Lab Fort Bl. Av. Rec	106.800	%	
		LFB Duplicate RPD	1.872	%	0-25
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.000	%	70-130
		Lab Fort Blank Range	5.799	units	
		Lab Fort Bl. Av. Rec	100.100	%	
		LFB Duplicate RPD	5.794	%	0-25
	Trichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.800	%	70-130
		Lab Fort Blank Range	3.999	units	
		Lab Fort Bl. Av. Rec	106.800	%	
		LFB Duplicate RPD	3.745	%	0-25
	Trichlorofluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	

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

QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	Trichlorofluoromethane	Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.300	%	70-130
		Lab Fort Blank Range	2.800	units	
		Lab Fort Bl. Av. Rec	93.900	%	
		LFB Duplicate RPD	2.981	%	0-25
	o-Xylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.900	%	70-130
		Lab Fort Blank Range	5.900	units	
		Lab Fort Bl. Av. Rec	93.950	%	
		LFB Duplicate RPD	6.279	%	0-25
	m + p Xylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.040	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.050	%	70-130
		Dup Lab Fort Bl Amt.	0.040	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.042	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.650	%	70-130
		Lab Fort Blank Range	5.599	units	
		Lab Fort Bl. Av. Rec	103.850	%	
		LFB Duplicate RPD	5.392	%	0-25
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.000	%	70-130
		Lab Fort Blank Range	3.200	units	
		Lab Fort Bl. Av. Rec	98.400	%	
		LFB Duplicate RPD	3.252	%	0-25
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.800	%	70-130
		Lab Fort Blank Range	5.200	units	
		Lab Fort Bl. Av. Rec	99.200	%	
		LFB Duplicate RPD	5.241	%	0-25
	1,1-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	

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

QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	1,1-Dichloroethane	Lab Fort Blk. % Rec.	95.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.400	%	70-130
		Lab Fort Blank Range	1.600	units	
		Lab Fort Bl. Av. Rec	96.600	%	
		LFB Duplicate RPD	1.656	%	0-25
	1,1-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.300	%	70-130
		Lab Fort Blank Range	2.399	units	
		Lab Fort Bl. Av. Rec	90.100	%	
		LFB Duplicate RPD	2.663	%	0-25
	1,4-Dioxane	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.183	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.880	%	40-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.203	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.750	%	40-160
		Lab Fort Blank Range	9.870	units	
		Lab Fort Bl. Av. Rec	96.815	%	
		LFB Duplicate RPD	10.194	%	0-50
	MTBE	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.200	%	70-130
		Lab Fort Blank Range	1.500	units	
		Lab Fort Bl. Av. Rec	107.950	%	
		LFB Duplicate RPD	1.389	%	0-25
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.200	%	70-130
		Lab Fort Blank Range	4.700	units	
		Lab Fort Bl. Av. Rec	97.850	%	
		LFB Duplicate RPD	4.803	%	0-25

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

QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	Vinyl Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.500	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.900	%	40-130
		Lab Fort Blank Range	2.400	units	
		Lab Fort Bl. Av. Rec	89.700	%	
		LFB Duplicate RPD	2.675	%	0-25
	Methylene Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.100	%	40-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.200	%	40-160
		Lab Fort Blank Range	2.100	units	
		Lab Fort Bl. Av. Rec	90.150	%	
		LFB Duplicate RPD	2.329	%	0-25
	Chlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.700	%	70-130
		Lab Fort Blank Range	5.299	units	
		Lab Fort Bl. Av. Rec	103.050	%	
		LFB Duplicate RPD	5.143	%	0-25
	Chloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.014	mg/kg dry wt	
		Lab Fort Blk. % Rec.	70.900	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.014	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	73.700	%	40-130
		Lab Fort Blank Range	2.799	units	
		Lab Fort Bl. Av. Rec	72.300	%	
		LFB Duplicate RPD	3.872	%	0-25
	Bromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.013	mg/kg dry wt	
		Lab Fort Blk. % Rec.	69.500	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.014	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.900	%	40-130
		Lab Fort Blank Range	5.399	units	

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

QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	Bromomethane	Lab Fort Bl. Av. Rec	72.200	%	
		LFB Duplicate RPD	7.479	%	0-25
	Chloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.000	%	70-130
		Lab Fort Blank Range	9.299	units	
		Lab Fort Bl. Av. Rec	88.350	%	
		LFB Duplicate RPD	10.526	%	0-25
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.700	%	70-130
		Lab Fort Blank Range	3.000	units	
		Lab Fort Bl. Av. Rec	104.200	%	
		LFB Duplicate RPD	2.879	%	0-25
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.700	%	70-130
		Lab Fort Blank Range	3.000	units	
		Lab Fort Bl. Av. Rec	104.200	%	
		LFB Duplicate RPD	2.879	%	0-25
	Chlorodibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.400	%	70-130
		Lab Fort Blank Range	4.800	units	
		Lab Fort Bl. Av. Rec	97.000	%	
		LFB Duplicate RPD	4.948	%	0-25
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	

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

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QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	1,1,2-Trichloroethane	Dup Lab Fort Bl %Rec	107.500	%	70-130
		Lab Fort Blank Range	7.799	units	
		Lab Fort Bl. Av. Rec	103.600	%	
		LFB Duplicate RPD	7.528	%	0-25
	Bromoform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.400	%	70-130
		Lab Fort Blank Range	8.300	units	
		Lab Fort Bl. Av. Rec	94.250	%	
		LFB Duplicate RPD	8.806	%	0-25
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.300	%	70-130
		Lab Fort Blank Range	4.100	units	
		Lab Fort Bl. Av. Rec	100.250	%	
		LFB Duplicate RPD	4.089	%	0-25
	2-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.200	%	70-130
		Lab Fort Blank Range	6.700	units	
		Lab Fort Bl. Av. Rec	100.850	%	
		LFB Duplicate RPD	6.643	%	0-25
	Hexachlorobutadiene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.500	%	70-130
		Lab Fort Blank Range	0.900	units	
		Lab Fort Bl. Av. Rec	98.950	%	
		LFB Duplicate RPD	0.909	%	0-25
	Isopropylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.300	%	70-130

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

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QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	Isopropylbenzene	Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.500	%	70-130
		Lab Fort Blank Range	6.200	units	
		Lab Fort Bl. Av. Rec	104.400	%	
		LFB Duplicate RPD	5.938	%	0-25
	p-Isopropyltoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.500	%	70-130
		Lab Fort Blank Range	5.699	units	
		Lab Fort Bl. Av. Rec	99.650	%	
		LFB Duplicate RPD	5.720	%	0-25
	n-Propylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.200	%	70-130
		Lab Fort Blank Range	6.999	units	
		Lab Fort Bl. Av. Rec	100.700	%	
		LFB Duplicate RPD	6.951	%	0-25
	sec-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.600	%	70-130
		Lab Fort Blank Range	3.099	units	
		Lab Fort Bl. Av. Rec	92.050	%	
		LFB Duplicate RPD	3.367	%	0-25
	tert-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.400	%	70-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.900	%	70-160
		Lab Fort Blank Range	3.500	units	
		Lab Fort Bl. Av. Rec	88.150	%	
		LFB Duplicate RPD	3.970	%	0-25
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	

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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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	1,2,3-Trichlorobenzene	Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.700	%	70-130
		Lab Fort Blank Range	2.500	units	
		Lab Fort Bl. Av. Rec	94.950	%	
		LFB Duplicate RPD	2.632	%	0-25
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.500	%	70-130
		Lab Fort Blank Range	0.999	units	
		Lab Fort Bl. Av. Rec	92.000	%	
		LFB Duplicate RPD	1.086	%	0-25
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.200	%	70-130
		Lab Fort Blank Range	4.300	units	
		Lab Fort Bl. Av. Rec	98.050	%	
		LFB Duplicate RPD	4.385	%	0-25
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.200	%	70-130
		Lab Fort Blank Range	6.300	units	
		Lab Fort Bl. Av. Rec	104.050	%	
		LFB Duplicate RPD	6.054	%	0-25
	4-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.800	%	70-130
		Lab Fort Blank Range	7.200	units	
		Lab Fort Bl. Av. Rec	103.200	%	

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

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Method Blanks

Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	4-Chlorotoluene	LFB Duplicate RPD	6.976	%	0-25
	Dibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.600	%	70-130
		Lab Fort Blank Range	7.500	units	
		Lab Fort Bl. Av. Rec	102.850	%	
		LFB Duplicate RPD	7.292	%	0-25
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.800	%	70-130
		Lab Fort Blank Range	2.600	units	
		Lab Fort Bl. Av. Rec	95.500	%	
		LFB Duplicate RPD	2.722	%	0-25
	1,1-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.600	%	70-130
		Lab Fort Blank Range	1.199	units	
		Lab Fort Bl. Av. Rec	98.000	%	
		LFB Duplicate RPD	1.224	%	0-25
	1,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.400	%	70-130
		Lab Fort Blank Range	2.200	units	
		Lab Fort Bl. Av. Rec	104.300	%	
		LFB Duplicate RPD	2.109	%	0-25
	1,3-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.800	%	70-130

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

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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	1,3-Dichloropropane	Lab Fort Blank Range	5.999	units	
		Lab Fort Bl. Av. Rec	108.800	%	
		LFB Duplicate RPD	5.514	%	0-25
	2,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.900	%	70-130
		Lab Fort Blank Range	3.500	units	
		Lab Fort Bl. Av. Rec	106.150	%	
		LFB Duplicate RPD	3.297	%	0-25
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.300	%	70-130
		Lab Fort Blank Range	5.799	units	
		Lab Fort Bl. Av. Rec	104.400	%	
		LFB Duplicate RPD	5.555	%	0-25
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	85.400	%	70-130
		Lab Fort Blank Range	2.400	units	
		Lab Fort Bl. Av. Rec	84.200	%	
		LFB Duplicate RPD	2.850	%	0-25
	n-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.600	%	70-130
		Lab Fort Blank Range	2.100	units	
		Lab Fort Bl. Av. Rec	91.550	%	
		LFB Duplicate RPD	2.293	%	0-25
	Dichlorodifluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.010	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.700	%	40-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	

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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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	Dichlorodifluoromethane	Dup Lab Fort Bl. Fnd	0.011	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	59.400	%	40-160
		Lab Fort Blank Range	4.699	units	
		Lab Fort Bl. Av. Rec	57.050	%	
		LFB Duplicate RPD	8.238	%	0-25
	Bromochloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.100	%	70-130
		Lab Fort Blank Range	2.299	units	
		Lab Fort Bl. Av. Rec	97.950	%	
		LFB Duplicate RPD	2.348	%	0-25
	Bromobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.900	%	70-130
		Lab Fort Blank Range	7.999	units	
		Lab Fort Bl. Av. Rec	101.900	%	
		LFB Duplicate RPD	7.850	%	0-25
	Carbon Disulfide	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.500	%	70-130
		Lab Fort Blank Range	1.400	units	
		Lab Fort Bl. Av. Rec	102.800	%	
		LFB Duplicate RPD	1.361	%	0-25
	2-Hexanone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.234	mg/kg dry wt	
		Lab Fort Blk. % Rec.	117.250	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.238	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	119.180	%	70-160
		Lab Fort Blank Range	1.930	units	
		Lab Fort Bl. Av. Rec	118.215	%	
		LFB Duplicate RPD	1.632	%	0-25
	Diethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	

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

QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	Diethyl Ether	Lab Fort Blk. % Rec.	102.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.300	%	70-130
		Lab Fort Blank Range	2.000	units	
		Lab Fort Bl. Av. Rec	101.300	%	
		LFB Duplicate RPD	1.974	%	0-25
	Bromodichloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.500	%	70-130
		Lab Fort Blank Range	4.599	units	
		Lab Fort Bl. Av. Rec	98.200	%	
		LFB Duplicate RPD	4.684	%	0-25
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.500	%	70-130
		Lab Fort Blank Range	1.599	units	
		Lab Fort Bl. Av. Rec	86.700	%	
		LFB Duplicate RPD	1.845	%	0-25
	1,2-Dibromoethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	113.000	%	70-130
		Lab Fort Blank Range	5.500	units	
		Lab Fort Bl. Av. Rec	110.250	%	
		LFB Duplicate RPD	4.988	%	0-25
	Tetrahydrofuran	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.025	mg/kg dry wt	
		Lab Fort Blk. % Rec.	127.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.900	%	70-130
		Lab Fort Blank Range	20.000	units	
		Lab Fort Bl. Av. Rec	117.900	%	
		LFB Duplicate RPD	16.963	%	0-25

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

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Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: GCMS/VOL-21730

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92877					
	Diisopropyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.300	%	70-130
		Lab Fort Blank Range	0.100	units	
		Lab Fort Bl. Av. Rec	92.250	%	
		LFB Duplicate RPD	0.108	%	0-25
	tert-Butylethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.300	%	70-130
		Lab Fort Blank Range	3.200	units	
		Lab Fort Bl. Av. Rec	105.700	%	
		LFB Duplicate RPD	3.027	%	0-25
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.023	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	116.600	%	70-130
		Lab Fort Blank Range	2.899	units	
		Lab Fort Bl. Av. Rec	115.150	%	
		LFB Duplicate RPD	2.518	%	0-25

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

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Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: HG-9938

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130782					
	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-92983					
	Mercury	Lab Fort Blank Amt.	1.250	mg/kg dry wt	
		Lab Fort Blk. Found	1.270	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.630	%	72-128
		Dup Lab Fort Bl Amt.	1.250	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.392	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.390	%	72-128
		Lab Fort Blank Range	9.759	units	
		Lab Fort Bl. Av. Rec	106.510	%	
		LFB Duplicate RPD	9.163	%	

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

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Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: ICP-21412

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130847					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	<1.00	mg/kg dry wt	
LFBLANK-93077					
	Silver	Lab Fort Blank Amt.	62.40	mg/kg dry wt	
		Lab Fort Blk. Found	48.89	mg/kg dry wt	
		Lab Fort Blk. % Rec.	78.34	%	66-133
		Dup Lab Fort Bl Amt.	62.40	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	52.63	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	84.34	%	66-133
		Lab Fort Blank Range	5.99	units	
		Lab Fort Bl. Av. Rec	81.34	%	
		LFB Duplicate RPD	7.36	%	0-30
	Arsenic	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	109.41	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.95	%	83-117
		Dup Lab Fort Bl Amt.	123.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	114.26	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.89	%	83-117
		Lab Fort Blank Range	3.94	units	
		Lab Fort Bl. Av. Rec	90.92	%	
		LFB Duplicate RPD	4.33	%	0-30
	Barium	Lab Fort Blank Amt.	256.00	mg/kg dry wt	
		Lab Fort Blk. Found	219.83	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.87	%	80-120
		Dup Lab Fort Bl Amt.	256.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	225.26	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.99	%	80-120
		Lab Fort Blank Range	2.12	units	
		Lab Fort Bl. Av. Rec	86.93	%	
		LFB Duplicate RPD	2.43	%	0-30
	Beryllium	Lab Fort Blank Amt.	75.90	mg/kg dry wt	
		Lab Fort Blk. Found	64.98	mg/kg dry wt	

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

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Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: ICP-21412

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93077					
	Beryllium	Lab Fort Blk. % Rec.	85.62	%	83-117
		Dup Lab Fort Bl Amt.	75.90	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	66.37	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.44	%	83-117
		Lab Fort Blank Range	1.81	units	
		Lab Fort Bl. Av. Rec	86.53	%	
		LFB Duplicate RPD	2.10	%	0-30
	Cadmium	Lab Fort Blank Amt.	258.00	mg/kg dry wt	
		Lab Fort Blk. Found	228.09	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.40	%	84-117
		Dup Lab Fort Bl Amt.	258.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	227.22	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	88.06	%	84-117
		Lab Fort Blank Range	0.33	units	
		Lab Fort Bl. Av. Rec	88.23	%	
		LFB Duplicate RPD	0.38	%	0-30
	Chromium	Lab Fort Blank Amt.	138.00	mg/kg dry wt	
		Lab Fort Blk. Found	118.68	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.00	%	82-118
		Dup Lab Fort Bl Amt.	138.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	120.19	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.09	%	82-118
		Lab Fort Blank Range	1.09	units	
		Lab Fort Bl. Av. Rec	86.54	%	
		LFB Duplicate RPD	1.26	%	0-30
	Nickel	Lab Fort Blank Amt.	111.00	mg/kg dry wt	
		Lab Fort Blk. Found	96.20	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.66	%	84-117
		Dup Lab Fort Bl Amt.	111.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	95.46	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.00	%	84-117
		Lab Fort Blank Range	0.66	units	
		Lab Fort Bl. Av. Rec	86.33	%	
		LFB Duplicate RPD	0.77	%	0-30
	Lead	Lab Fort Blank Amt.	136.00	mg/kg dry wt	
		Lab Fort Blk. Found	111.14	mg/kg dry wt	
		Lab Fort Blk. % Rec.	81.72	%	81-120
		Dup Lab Fort Bl Amt.	136.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	114.74	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	84.36	%	81-120
		Lab Fort Blank Range	2.64	units	
		Lab Fort Bl. Av. Rec	83.04	%	
		LFB Duplicate RPD	3.18	%	0-30

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QC SUMMARY REPORT

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

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

Report Date: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: ICP-21412

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93077					
	Antimony	Lab Fort Blank Amt.	138.00	mg/kg dry wt	
		Lab Fort Blk. Found	92.38	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.94	%	30-207
		Dup Lab Fort Bl Amt.	138.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	91.09	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.00	%	30-207
		Lab Fort Blank Range	0.93	units	
		Lab Fort Bl. Av. Rec	66.47	%	
		LFB Duplicate RPD	1.40	%	0-30
	Selenium	Lab Fort Blank Amt.	199.00	mg/kg dry wt	
		Lab Fort Blk. Found	176.26	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.57	%	80-120
		Dup Lab Fort Bl Amt.	199.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	180.16	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.53	%	80-120
		Lab Fort Blank Range	1.95	units	
		Lab Fort Bl. Av. Rec	89.55	%	
		LFB Duplicate RPD	2.18	%	0-30
	Thallium	Lab Fort Blank Amt.	297.00	mg/kg dry wt	
		Lab Fort Blk. Found	258.97	mg/kg dry wt	
		Lab Fort Blk. % Rec.	87.19	%	82-120
		Dup Lab Fort Bl Amt.	297.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	267.04	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.91	%	82-120
		Lab Fort Blank Range	2.71	units	
		Lab Fort Bl. Av. Rec	88.55	%	
		LFB Duplicate RPD	3.06	%	0-30
	Vanadium	Lab Fort Blank Amt.	158.00	mg/kg dry wt	
		Lab Fort Blk. Found	136.96	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.68	%	80-120
		Dup Lab Fort Bl Amt.	158.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	140.94	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.20	%	80-120
		Lab Fort Blank Range	2.52	units	
		Lab Fort Bl. Av. Rec	87.94	%	
		LFB Duplicate RPD	2.87	%	0-30
	Zinc	Lab Fort Blank Amt.	314.00	mg/kg dry wt	
		Lab Fort Blk. Found	265.79	mg/kg dry wt	
		Lab Fort Blk. % Rec.	84.64	%	81-119
		Dup Lab Fort Bl Amt.	314.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	272.48	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.77	%	81-119
		Lab Fort Blank Range	2.13	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: 3/20/2009 Lims Bat # : LIMT-23957

QC Batch Number: ICP-21412

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93077					
	Zinc	Lab Fort Bl. Av. Rec	85.71	%	
		LFB Duplicate RPD	2.48	%	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-23957
Project Location: NEW BEDFORD, MA	MADEP RTN[1]:

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

09B07780-09B07781

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

MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 (X)	8021B ( )	EPH ( )	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:** 3/20/09

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

CHAIN OF CUSTODY RECORD

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

Page 1 of 1

Lim1-23957

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

Telephone: (978) 970 5600 x3565
Project # 115058 task 44
Client PO #

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

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

State Form Required?
☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	VOC's MA Level	VOC's Low Level	PCB's	PAH's 8270 C	TPH 8100	Total Metals 8 RCRA					# of containers	**Preservation	~Cont.Code
									1	2	3	3	3	3					M	O	V
									V	V	G	G	G	G							
	TB-01	07780	3/12/09	LAB		G	O	U	1	2							Trip Blank				
	WFE5W	07781	3/13/09	0930		G/C	S	U	2	4	3	3	3	3							

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

Client Comments: Hold Extra Volume PB Added analyses

DI VIALS / ENCORE 03-13-09 15:32 FROZEN ATR OUT

Laboratory Comments: TPH method? client call 3/13 8100 per J. Saunders TLF 3/16/09

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

03-13-09 18:43 OUT

Relinquished by: (signature)	Date/Time: 3/13/09, 1430
Received by: (signature)	Date/Time: 3/13/09 1430
Relinquished by: (signature)	Date/Time: 3-13-09 1805
Received by: (signature) Temp 3°C	Date/Time: 3/13/09 18:05

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

Detection Limit Requirements
Regulations? MCP 9-1-92
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's: See Quote

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

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

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

AIHA, NELAC & WBE/DBE Certified

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Sample Receipt Checklist

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

CLIENT NAME: TRC MA RECEIVED BY: KO DATE: 3/13/09

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3°C

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: 19A

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	12
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	9	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

DI VIALS / ENCORE FROZEN AT: 03-13-09 18:43 OUT

40 mL vials: # HCl _____ # Methanol 3

Bisulfate _____ # DI Water 6 Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

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