



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

REPORT DATE 3/27/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-24170

JOB NUMBER: 115058

PROJECT LOCATION: CITY OF NEW BEDFORD

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
WFB-11I(1-3)	09B08863	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB-11I(1-3)	09B08863	SOIL	Not Specified	solids (percent)	
WFB-11J(1-3)	09B08864	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB-11J(1-3)	09B08864	SOIL	Not Specified	solids (percent)	
WFB-11L(1-3)	09B08865	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB-11L(1-3)	09B08865	SOIL	Not Specified	solids (percent)	
WFB-11M(1-3)	09B08866	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB-11M(1-3)	09B08866	SOIL	Not Specified	solids (percent)	
WFB-11N(1-3)	09B08867	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB-11N(1-3)	09B08867	SOIL	Not Specified	solids (percent)	
WFB-11O(1-3)	09B08868	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB-11O(1-3)	09B08868	SOIL	Not Specified	solids (percent)	



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

REPORT DATE 3/27/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-24170
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMIT-24170

CASE NARRATIVE SUMMARY

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

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

In method 6010, the matrix spike recovery was outside control limits. Recovery is >30%, no corrective action is needed. Analysis is in control based on LFB and LFB duplicate recoveries. Possibility of sample matrix effects leading to a low bias for reported result cannot be eliminated.

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

DETAILED CASE NARRATIVE

METHOD SW846-6010 - ADDITIONAL DETAILS

Sample duplicate and matrix spike performed on SOIL sample 09B08863.

Only Pb was 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 3/27/09
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



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

3/27/2009
Page 2 of 5

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD

LIMS-BAT #: LIMIT-24170

Date Received: 3/24/2009

Job Number: 115058

Field Sample #: WFB-110(1-3)

Sample ID: 09B08868

‡Sampled: 3/24/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	98.5	03/26/09	OP	0.85		

Analytical Method:

SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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



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

3/27/2009
 Page 3 of 5

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 3/24/2009

LIMS-BAT #: LIMIT-24170
 Job Number: 115058

Field Sample #: WFB-11I(1-3)

Sample ID: 09B08863 ±Sampled: 3/24/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	92.0	03/25/09	FD			

Field Sample #: WFB-11J(1-3)

Sample ID: 09B08864 ±Sampled: 3/24/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	91.1	03/25/09	FD			

Field Sample #: WFB-11L(1-3)

Sample ID: 09B08865 ±Sampled: 3/24/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	77.7	03/25/09	FD			

Field Sample #: WFB-11M(1-3)

Sample ID: 09B08866 ±Sampled: 3/24/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	86.2	03/25/09	FD			

Field Sample #: WFB-11N(1-3)

Sample ID: 09B08867 ±Sampled: 3/24/2009
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	84.7	03/25/09	FD			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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



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

3/27/2009
Page 4 of 5

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 3/24/2009

LIMS-BAT #: LIMIT-24170
Job Number: 115058

Field Sample #: WFB-110(1-3)

Sample ID: 09B08868 ‡Sampled: 3/24/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	88.5	03/25/09	FD			

Analytical Method:

SM 2540G

PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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



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

3/27/2009
Page 5 of 5

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 3/24/2009

LIMS-BAT #: LIMIT-24170
Job Number: 115058

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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



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

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/27/2009

Lims Bat # : LIMIT-24170

Page 1 of 2

QC Batch Number: ICP-21452

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B08863	Lead	Sample Amount	16.36	mg/kg dry wt	
		Duplicate Value	14.16	mg/kg dry wt	
		Duplicate RPD	14.45	%	0-35
		Sample Amount	16.36	mg/kg dry wt	
		Matrix Spk Amt Added	27.17	mg/kg dry wt	
		MS Amt Measured	35.61	mg/kg dry wt	
		Matrix Spike % Rec.	70.81	%	75-125
BLANK-131103	Lead	Blank	<0.75	mg/kg dry wt	
LFBLANK-93324	Lead	Lab Fort Blank Amt.	136.00	mg/kg dry wt	
		Lab Fort Blk. Found	124.68	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.67	%	81-120
		Dup Lab Fort Bl Amt.	136.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	127.38	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.66	%	81-120
		Lab Fort Blank Range	1.98	units	
		Lab Fort Bl. Av. Rec	92.66	%	
		LFB Duplicate RPD	2.14	%	0-30

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory** Project #: *LIME-24170*

Project Location: *CITY OF NEW BEDFORD* MADEP RTN¹:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]
09B08863-09B08868

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

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

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

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

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
D	<u>VPH and EPH Methods only:</u> Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: *3/27/09*



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

Company Name: TEL
 Address: 650 Suffolk St Lowell MA 01854

Telephone: (978) 656-3565
 Project # 115058
 Client PO # _____

Attention: David Sullivan

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Project Location: City of UB
 Sampled By: S. Scudlos/R. Nicks

Fax #: _____
 Email: d.sullivan@contestlabs.com
 Format: EXCEL PDF GIS KEY

Proposal Provided? (For Billing purposes)
 yes 2002 proposal date

State Form Required?
 yes no

Field ID	Sample Description	Lab #	Date Sampled	Stop Date/Time	Comp-site	Grab	Matrix Code	Conc. Code	Total Lead **	ANALYSIS REQUESTED	# of containers
	WFB-11I (1-3)*	08863	3/24/09	0945	G	S	U	X			
	WFB-11J (1-3)*	08864		1000				X			
	WFB-11K (1-3)*			1010				X			
	WFB-11L (1-3)*	08865		1025				X			
	WFB-11M (1-3)*	08866		1040				X			
	WFB-11N (1-3)*	08867		1045				X			
	WFB-11O (1-3)*	08868		1100				X			
	WFB-11P (1-3)*		3/24/09	1115	G	S	U	X			

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 3/24/09 14:10
 Received by: (signature) [Signature] Date/Time: 3/24/09 14:10
 Relinquished by: (signature) [Signature] Date/Time: 3/24/09 18:50
 Received by: (signature) [Signature] Date/Time: 3/24/09 18:50

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

Detection Limit Requirements
 Regulations? MCE 5-1/3-2
 Data Enhancement Project/RCP? Y N
 Special Requirements or DL's: See Grid

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

**Preservation Codes:
 I = lead
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other

Client: _____
 Comments: * Rush 4/5-7/10-10/10/09
** Hold for TEL
LD

** 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. AHA, NELAC & WBE/DBE Certified



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

CHAIN OF CUSTODY RECORD

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

Company Name: TEL
 Address: 650 Suffolk St, Lowell MA 01854

Telephone: (978) 656-3565
 Project # 15058
 Client PO #

Cont. Code	# of containers
I	1
II	1
III	1
IV	6
V	6
VI	6

Attention: David Sullivan

Project Location: City of WTB

Sampled By: J. Saunders / R. Niles

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: dsullivan@protestlabs.com
 Format: EXCEL PDF GIS KEY

Proposal Provided? (For Billing purposes)
 yes 2007 proposal date

State Form Required?
 yes no

Field ID	Sample Description	Lab #	Date Sampled		Comp. Code	Grab Code	*Matrix Conc.		Total Lead	Total Barium	Total Chromium	ANALYSIS REQUESTED	# of containers
			Start Date/Time	Stop Date/Time			Code	Code					
SB-360G (1-3)			3/24/09	1310	G	S	U	X	X	X		(Hold)	
SB-360C (1-3)				1325				X	X	X		(Hold)	
SB-360A (1-3)				1340				X	X	X		(Hold)	
SB-360E (1-3)				1350				X	X	X		(Hold)	
SB-360H (1-3)				1400				X	X	X		(Hold)	
SB-360D (1-3)				1410				X	X	X		(Hold)	
SB-360B (1-3)				1420				X	X	X		(Hold)	
SB-360F (1-3)			3/24/09	1430	G	S	U	X	X	X		(Hold)	

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

Relinquished by: (signature) [Signature] Date/Time: 3/24/09 1410
 Received by: (signature) [Signature] Date/Time: 3/24/09 1410
 Relinquished by: (signature) [Signature] Date/Time: 3/24/09 1850
 Received by: (signature) [Signature] Date/Time: 3/24/09 1850

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

Detection Limit Requirements
 Regulations? MLP 5-1/5-c
 Data Enhancement Project/RCP? Y N
 Special Requirements or DL's: See Quat

*Matrix Code: GW = groundwater, WW = wastewater, DW = drinking water, A = air, S = soil/solid, SL = sludge, O = other
 **Preservation Codes: I = lead, H = HCL, M = Methanol, N = Nitric Acid, S = Sulfuric Acid, B = Sodium bisulfate, X = Na hydroxide, T = Na thiosulfate, O = Other

Comments: * Hold all samples for TELP

