



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

REPORT DATE 3/5/2009

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

CONTRACT NUMBER:  
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

#### ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23659  
JOB NUMBER: 115058

PROJECT LOCATION: NEW BEDFORD-WALSH

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
WFE-5-E (0-1)	09B06381	SOIL	Not Specified	pb (mg/kg)dw icp	
WFE-5-E (0-1)	09B06381	SOIL	Not Specified	solids (percent)	
WFE-5-E (1-3)	09B06382	SOIL	Not Specified	pb (mg/kg)dw icp	
WFE-5-E (1-3)	09B06382	SOIL	Not Specified	solids (percent)	
WFE-5-F (0-1)	09B06385	SOIL	Not Specified	pb (mg/kg)dw icp	
WFE-5-F (0-1)	09B06385	SOIL	Not Specified	solids (percent)	
WFE-5-F (1-3)	09B06386	SOIL	Not Specified	pb (mg/kg)dw icp	
WFE-5-F (1-3)	09B06386	SOIL	Not Specified	solids (percent)	
WFE-5-G (0-1)	09B06379	SOIL	Not Specified	pb (mg/kg)dw icp	
WFE-5-G (0-1)	09B06379	SOIL	Not Specified	solids (percent)	
WFE-5-G (1-3)	09B06380	SOIL	Not Specified	pb (mg/kg)dw icp	
WFE-5-G (1-3)	09B06380	SOIL	Not Specified	solids (percent)	
WFE-5-H (0-1)	09B06383	SOIL	Not Specified	pb (mg/kg)dw icp	
WFE-5-H (0-1)	09B06383	SOIL	Not Specified	solids (percent)	
WFE-5-H (1-3)	09B06384	SOIL	Not Specified	pb (mg/kg)dw icp	
WFE-5-H (1-3)	09B06384	SOIL	Not Specified	solids (percent)	



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#### ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23659  
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMT-23659

#### CASE NARRATIVE SUMMARY

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

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

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

#### DETAILED CASE NARRATIVE

#### METHOD SW846-6010 - ADDITIONAL DETAILS

A duplicate and matrix spike were performed on sample 09B06386.

Matrix spike is outside of control limits for Pb. Analysis is in control based on laboratory fortified blank recovery. Sample non-homogeneity may have contributed to the outlier. Sample concentration >4X spike concentration, therefore a representative recovery may not be obtainable.

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.

 3/5/09  
SIGNATURE DATE

Tod Kopyscinski  
Air Laboratory Manager

Michael Erickson  
Assistant Laboratory Director

Edward Denson  
Technical Director

Daren Damboragian  
Organics Department Supervisor

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

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LOWELL, MA 01852

3/5/2009  
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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH

LIMS-BAT #: LIMIT-23659

Date Received: 3/4/2009

Job Number: 115058

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

Sample ID : 09B06381

‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	91.0	03/05/09	OP	0.97		

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

Sample ID : 09B06382

‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	2500	03/05/09	OP	1.15		

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

Sample ID : 09B06385

‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	4.83	03/05/09	OP	0.90		

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

Sample ID : 09B06386

‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	839	03/05/09	OP	0.97		

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

Sample ID : 09B06379

‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	100	03/05/09	OP	1.02		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

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TRC SOLUTIONS - LOWELL  
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LOWELL, MA 01852

3/5/2009  
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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH  
Date Received: 3/4/2009

LIMS-BAT #: LIMIT-23659  
Job Number: 115058

**Field Sample # : WFE-5-G (1-3)**

**Sample ID : 09B06380**      ‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	303	03/05/09	OP	0.99		

**Field Sample # : WFE-5-H (0-1)**

**Sample ID : 09B06383**      ‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	220	03/05/09	OP	1.04		

**Field Sample # : WFE-5-H (1-3)**

**Sample ID : 09B06384**      ‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	267	03/05/09	OP	1.03		

Analytical Method:

SW846 3050/6010

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

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SPEC LIMIT = a client specified recommended or  
regulatory level for comparison with data to  
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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH  
Date Received: 3/4/2009

LIMS-BAT #: LIMIT-23659  
Job Number: 115058

**Field Sample # : WFE-5-E (0-1)**

**Sample ID : 09B06381** ‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	77.7	03/05/09	FD			

**Field Sample # : WFE-5-E (1-3)**

**Sample ID : 09B06382** ‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	65.7	03/05/09	FD			

**Field Sample # : WFE-5-F (0-1)**

**Sample ID : 09B06385** ‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	83.7	03/05/09	FD			

**Field Sample # : WFE-5-F (1-3)**

**Sample ID : 09B06386** ‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	77.7	03/05/09	FD			

**Field Sample # : WFE-5-G (0-1)**

**Sample ID : 09B06379** ‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	73.6	03/05/09	FD			

RL = Reporting Limit

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

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LOWELL, MA 01852

3/5/2009  
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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH  
Date Received: 3/4/2009

LIMS-BAT #: LIMIT-23659  
Job Number: 115058

**Field Sample # : WFE-5-G (1-3)**

**Sample ID : 09B06380** ‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	76.0	03/05/09	FD			

**Field Sample # : WFE-5-H (0-1)**

**Sample ID : 09B06383** ‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	72.3	03/05/09	FD			

**Field Sample # : WFE-5-H (1-3)**

**Sample ID : 09B06384** ‡Sampled : 2/23/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	73.3	03/05/09	FD			

Analytical Method:

SM 2540G

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

RL = Reporting Limit

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3/5/2009  
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Purchase Order No.:

Project Location: NEW BEDFORD-WALSH  
Date Received: 3/4/2009

LIMS-BAT #: LIMT-23659  
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.



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### 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: 3/5/2009

Lims Bat # : LIMIT-23659

Page 1 of 2

QC Batch Number: ICP-21282

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B06386	Lead	Sample Amount	839.41	mg/kg dry wt	
		Duplicate Value	920.65	mg/kg dry wt	
		Duplicate RPD	9.23	%	0-35
		Sample Amount	839.41	mg/kg dry wt	
		Matrix Spk Amt Added	32.17	mg/kg dry wt	
		MS Amt Measured	1332.05	mg/kg dry wt	
		Matrix Spike % Rec.	1531.12	%	75-125
BLANK-130250	Lead	Blank	<0.75	mg/kg dry wt	
LFBLANK-92413	Lead	Lab Fort Blank Amt.	136.00	mg/kg dry wt	
		Lab Fort Blk. Found	127.67	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.87	%	82-118
		Dup Lab Fort Bl Amt.	136.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	125.62	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.36	%	82-118
		Lab Fort Blank Range	1.50	units	
		Lab Fort Bl. Av. Rec	93.12	%	
		LFB Duplicate RPD	1.61	%	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: 3/5/2009

Lims Bat #: LIMIT-23659

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### 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 through 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: <b>CON-TEST Analytical Laboratory</b>	Project #: <b>LMT-23659</b>
Project Location: <b>NEW BEDFORD, WALSH</b>	MADEP RTN <sup>1</sup> :

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

**09806379 - 09806386**

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

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

<b>A</b>	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 <sup>1</sup>
<b>B</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 <sup>1</sup>
<b>C</b>	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 <sup>1</sup>
<b>D</b>	<b><u>VPH and EPH Methods only:</u></b> 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 <sup>1</sup>

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

<b>E</b>	Were all analytical QC performance standards and recommendations for the specified methods achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were results for all analyte-list compounds/elements for the specified method(s) reported?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup> 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: <u>Tod Kopyscinski</u>	Position: <b>Director of Operations</b>
Printed Name: <b>Tod Kopyscinski</b>	Date: <u>3-5-09</u>





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 4 of 5

TRC

650 Suffolk St,

Lowell, MA

David Sullivan

New Bedford - Welsh

C. Foster / K. Kithing

Proposal Provided? (For Billing purposes)

yes ☐ no ☐

State Form Required?

yes ☒ no ☐

Client PO #

Project # 115058

Telephone: 978 970-5600

DATA DELIVERY (check one):

CFAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: dsullivan@thesolutions.com

Format: EXCEL ☒ PDF ☐ GIS KEY

OTHER ☐

Date Sampled

Start Date/Time

Stop Date/Time

Comp. Grab

Matrix Code

Conc. Code

Analysis Requested

Cont. Code

Preservation

# of containers

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp. Grab	Matrix Code	Conc. Code	Analysis Requested	Cont. Code	Preservation	# of containers
WFE-S-E (1-3)	HOLD	06382	2/23/09	1215	X	S	U	Cd + Pb	X		
WFE-S-H (0-1)	HOLD	06383		1320				PAH (BAP)			
WFE-S-H (1-3)	HOLD	06384		1325							
WFE-S-D (0-1)				1335							
WFE-S-D (1-3)				1340							
WFE-S-B (0-1)				1350							
WFE-S-B (1-3)				1355							
WFE-S-D5 (1-3)				1255							

laboratory Comments: Held all remaining aliquots of soil for possible

TRC analysis

Received by: (signature)

Date/Time: 2/23/09 1600

Received by: (signature)

Date/Time: 2-23-09 1600

Received by: (signature)

Date/Time: 2-23-09 1900

Received by: (signature)

Date/Time: 2/23/09 1900

Turnaround\*\*

7-Day ☐

10-Day ☐

Other ☒

RUSH\*

\*24-Hr ☐

\*48-Hr ☐

\*72-Hr ☐

\*4-Day ☐

\*Require lab approval

Detection Limit Requirements

Regulations? MCP 5-1/5-2

Data Enhancement Project/RCP? ☒

Special Requirements or DL's: ☐

Matrix Code:

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

\*\*Preservation Codes:

I = Iced

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium bisulfate

O = Other

Comments:

X = Na hydroxide

T = Na thiosulfate

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



CHAIN OF CUSTODY RECORD

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

Company Name: TRC  
Address: 650 Suffolk St.  
Lowell, MA  
Attention: David Sullivan

Telephone: (978) 970-5600  
Project # 115058  
Client PO #

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

Project Location: New Bedford - Walsh  
Sampled By: C. Foster / K. Lethbridge

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

Proposal Provided? (For Billing purposes)  
☐ yes ☐ no  
proposal date

State Form Required?  
☒ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled	Stop Date/Time	Comp- osite	Grab	*Matrix   Conc. Code   Code	ANALYSIS REQUESTED	# of containers
WFE-S-F (0-1)	HOLD	06385	2/23/09	1410	X		S U	Pb + Cd PAH (BAP)	
WFE-S-F (1-3)	HOLD	06386		1415					
WFE-S-H (0-1)	HOLD			1440					
WFE-S-H (1-3)	HOLD			1445					
WFE-S-D (0-1)				1500					
WFE-S-D (1-3)				1505					

Hold all remaining soil aliquots for possible  
TECP analysis pending results.

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) <u>[Signature]</u>	Date/Time: <u>2/23/09 1600</u>	Turnaround ** <input type="checkbox"/> 7-Day <input type="checkbox"/> 10-Day <input checked="" type="checkbox"/> RUSH *	Detection Limit Requirements Regulations? <u>WQS-145-L</u> Data Enhancement Project/RCP? <u>Y</u> <input type="checkbox"/> N	*Matrix Code: GW = groundwater WW = wastewater DW = drinking water A = air S = soil/solid SL = sludge O = other	**Preservation Codes: I = Iced H = HCL M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium bisulfate O = Other
Received by: (signature) <u>[Signature]</u>	Date/Time: <u>2/23/09 1900</u>	<input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day	Special Requirements or DL's: <u></u>		
Received by: (signature) <u>[Signature]</u>	Date/Time: <u>2/23/09 1900</u>				

\* 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.



**con-test**  
ANALYTICAL LABORATORY

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 5

Company Name: TRC

Address: 1050 Sullivan St

Lowell, MA

Attention: David Sullivan

Project Location: New Bedford - Calish

Sampled By: C. Foster / K. K. Kithin

Proposal Provided? (For Billing purposes)

☐ Yes ☐ No

State Form Required?

☒ Yes ☐ No

Telephone: (978) 970-5608

Project # 115058

Client PO #

DATA DELIVERY (check one):

☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: csullivan@contestlabs.com

Format: ☒ EXCEL ☒ PDF ☐ GIS KEY

☐ OTHER

Date Sampled

Start Date/Time: 2/23/09 Step: 0845 End Date/Time: 0840

Comp. Coste Grab

\*Matrix | Conc. Code | Code

CD + PD

ANALYSIS REQUESTED

# of containers  
\*\*Preservation

-Cont. Code

-Cont. Code:

A=amber glass

G=glass

P=plastic

ST=sterile

V=vial

S=summary can

T=tear bag

O=Other

Client

Comments:

WFD6-B(0-1)		2/23/09	0840		X	S	U	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												</
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Laboratory Comments:

Hold all remaining aliquots of soil for possible TCLP analysis pending results.

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 - Clear; U - Unknown

Turnaround \*\*

☐ 7-Day

☐ 10-Day

☒ Other 5

RUSH \*

☐ \*24-Hr ☐ \*48-Hr

☐ \*72-Hr ☐ \*4-Day

\* Require lab approval

Detection Limit Requirements

Regulations? MCR 5-1/5-2

Data Enhancement Project/RCP? ☒ Y ☐ N

Special Requirements or D.L.s:

\*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, NELAP & WBE/DBF Certified



## CHAIN OF CUSTODY RECORD

Phone: 413-525-2332  
Fax: 413-525-6405  
Email: info@contestlabs.com39 SPRUCE ST, 2ND FLOOR  
EAST LONGMEADOW, MA 01028

Page 2 of 5

Company Name:

TRC

Address:

650 Suffolk St.

www.contestlabs.com

Telephone: (978) 970-5200

Project #

115058

Client PO #

Attention:

Lowell, MA  
David Sullivan

Project Location:

New Bedford - Walsh

Sampled By:

C. Foster / K. Kitchen

Proposal Provided? (For Billing purposes)

☐ yes ☐ noState Form Required?  
☒ yes ☐ noDATA DELIVERY (check one):  
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: dsullivan@contestlabs.com

Format:

☒ EXCEL ☐ PDF ☐ GIS KEY☐ OTHER

Date Sampled

Start Date/Time - Stop Date/Time

Composite Grab

Matrix Code

Conc. Code

Cd + Pb

# of containers

-Cont. Code

-Cont. Code:

A=amber glass

G=glass

P=plastic

ST=sterile

V=vial

S=summary can

T=tedlar bag

O=Other

Comments:

Client

Comments:

Comments:

Comments:

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

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

Turnaround \*\*

☐ 7-Day☐ 10-Day☒ Other 5

RUSH \*

☐ \*24-Hr ☐ \*48-Hr☐ \*72-Hr ☐ \*4-Day

\* Require lab approval

Detection Limit Requirements

Regulations? MRP 5-1/5-2

Data Enhancement Project/RCP? Y N

Special Requirements or DL's:

Matrix Code:

GW= groundwater

WW= wastewater

DW= drinking water

A= air

S= soil/solid

SL= sludge

O= other

\*\*Preservation Codes:

I= iced

H= HCL

M= Methanol

N= Nitric Acid

S= Sulfuric Acid

B= Sodium bisulfate

O= Other

X= Na hydroxide

T= Na thiosulfate

Laboratory Comments: Hold all remaining aliquots of soil as possible. CH TARP analysis pending results.

Relinquished by (signature)

Received by (signature)

Relinquished by (signature)

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

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.

**tferrentino@contestlabs.com**

---

**From:** "Sullivan, Dave (Lowell,MA-US)" <DSullivan@TRCSOLUTIONS.com>  
**To:** <tferrentino@contestlabs.com>  
**Cc:** "Niles, Ryan (Lowell,MA-US)" <RNiles@trcsolutions.com>; "Zhou, Ping (Lowell,MA-US)" <PZhou@trcsolutions.com>; "Silverman, Diane (Lowell,MA-US)" <DSilverman@trcsolutions.com>; "Silverman, Diane" <Diane.Silverman@maine.gov>  
**Sent:** Wednesday, March 04, 2009 12:37 PM  
**Subject:** Hold Authorization

Theresa:

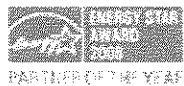
Please expedite the following TRC soil samples for Lead analysis:

WFE-5-E (0-1)  
WFE-5-E (1-3)  
WFE-5-H (0-1)  
WFE-5-H (1-3)  
WFE-5-F (0-1)  
WFE-5-F (1-3)  
WFE-5-G (0-1)  
WFE-5-G (1-3)

Thanks very much,

-Dave

David M. Sullivan, LSP, CHMM  
Senior Project Manager



**TRC**  
Wannalancit Mills  
650 Suffolk Street  
Lowell, Massachusetts 01854

978-656-3565 phone  
978-453-1995 fax  
978-758-2809 cell  
[dsullivan@trcsolutions.com](mailto:dsullivan@trcsolutions.com)

3/4/2009



## SAMPLE REACTIVATION FORM

COMPANY TRC-Lawless LOCATION ON-hold

CONTACT Dave Sullivan PROJECT ID \_\_\_\_\_

CONTACT PHONE \_\_\_\_\_ FAX \_\_\_\_\_

DATE 3/4/09 TIME 12:55 TAT 24hr DUE DATE 3/5

REQUEST TAKEN BY TRF GIVEN TO login

ACTIVATION REQUEST:

See Attached Email

SPECIAL INSTRUCTIONS AND TERMS:

FAXED TO CONTACT FOR APPROVAL: Y N

ACTIVATION IS CORRECT PER OUR REQUEST \_\_\_\_\_ DATE \_\_\_\_\_  
INITIALS

CONTEST FINAL APPROVAL \_\_\_\_\_

www.contestlabs.com



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

## Sample Receipt Checklist

CLIENT NAME: TRC - Low RECEIVED BY: CEC DATE: 2/23/09

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

2) Does the chain agree with the samples?  
If not, explain: ☒ Yes ☐ No

3) Are all the samples in good condition?  
If not, explain: ☒ Yes ☐ No

4) How were the samples received:  
On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

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

Temperature °C by Temp blank 3.2 Temperature °C by Temp gun \_\_\_\_\_

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

Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ ☒ Yes ☐ No Stored where: \_\_\_\_\_

6) Are there any samples "On Hold"? ☐ Yes ☒ No

7) Are there any RUSH or SHORT HOLDING TIME samples?  
Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ ☐ Yes ☒ No

8) Location where samples are stored: 19

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

Client Signature: \_\_\_\_\_

## Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	39
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl \_\_\_\_\_ # Methanol \_\_\_\_\_

# Bisulfate \_\_\_\_\_ # DI Water \_\_\_\_\_

# Thiosulfate \_\_\_\_\_ Unpreserved \_\_\_\_\_

Time and Date Frozen: \_\_\_\_\_

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