



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

REPORT DATE 2/26/2009

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

CONTRACT NUMBER:  
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

#### ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23400

JOB NUMBER: 115058

PROJECT LOCATION: NEW BEDFORD, WALSH FIELD

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
WFA11-A (0-1)	09B04891	SOIL	Not Specified	pb (mg/kg)dw icp	
WFA11-A (0-1)	09B04891	SOIL	Not Specified	solids (percent)	
WFA11-A (1-3)	09B04892	SOIL	Not Specified	pb (mg/kg)dw icp	
WFA11-A (1-3)	09B04892	SOIL	Not Specified	solids (percent)	
WFA11-B (0-1)	09B04898	SOIL	Not Specified	pb (mg/kg)dw icp	
WFA11-B (0-1)	09B04898	SOIL	Not Specified	solids (percent)	
WFA11-B (1-3)QC	09B04899	SOIL	Not Specified	pb (mg/kg)dw icp	
WFA11-B (1-3)QC	09B04899	SOIL	Not Specified	solids (percent)	
WFA11-C (0-1)	09B04893	SOIL	Not Specified	pb (mg/kg)dw icp	
WFA11-C (0-1)	09B04893	SOIL	Not Specified	solids (percent)	
WFA11-C (1-3)	09B04894	SOIL	Not Specified	pb (mg/kg)dw icp	
WFA11-C (1-3)	09B04894	SOIL	Not Specified	solids (percent)	
WFA11-D (0-1)	09B04895	SOIL	Not Specified	pb (mg/kg)dw icp	
WFA11-D (0-1)	09B04895	SOIL	Not Specified	solids (percent)	
WFA11-D (1-3)	09B04896	SOIL	Not Specified	pb (mg/kg)dw icp	
WFA11-D (1-3)	09B04896	SOIL	Not Specified	solids (percent)	
WFA11-I (1-3)	09B04897	SOIL	Not Specified	pb (mg/kg)dw icp	
WFA11-I (1-3)	09B04897	SOIL	Not Specified	solids (percent)	
WFB11-A (0-1)	09B04904	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB11-A (0-1)	09B04904	SOIL	Not Specified	solids (percent)	
WFB11-A (1-3)QC	09B04905	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB11-A (1-3)QC	09B04905	SOIL	Not Specified	solids (percent)	
WFB11-B (0-1)	09B04902	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB11-B (0-1)	09B04902	SOIL	Not Specified	solids (percent)	
WFB11-B (1-3)	09B04903	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB11-B (1-3)	09B04903	SOIL	Not Specified	solids (percent)	
WFB11-C (0-1)	09B04907	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB11-C (0-1)	09B04907	SOIL	Not Specified	solids (percent)	
WFB11-C (1-3)	09B04908	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB11-C (1-3)	09B04908	SOIL	Not Specified	solids (percent)	
WFB11-D (0-1)	09B04900	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB11-D (0-1)	09B04900	SOIL	Not Specified	solids (percent)	
WFB11-D (1-3)	09B04901	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB11-D (1-3)	09B04901	SOIL	Not Specified	solids (percent)	
WFB11-J (1-3)	09B04906	SOIL	Not Specified	pb (mg/kg)dw icp	
WFB11-J (1-3)	09B04906	SOIL	Not Specified	solids (percent)	



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LOWELL, MA 01852  
ATTN: DAVE SULLIVAN

CONTRACT NUMBER:  
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#### ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23400  
JOB NUMBER: 115058

#### Comments :

LIMS BATCH NO. : LIMIT-23400

#### 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

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

#### DETAILED CASE NARRATIVE

#### METHOD SW846-6010 - ADDITIONAL COMMENTS

Only Pb requested and reported.

Sample duplicates, matrix spikes, and matrix spike duplicates performed on SOIL samples 09B04899 and 09B04905. Matrix spike and duplicate recoveries were outside control limits for both samples. Sample to spike ratio is >4:1, therefore a representative recovery may not be obtainable.

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 2/26/09*

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

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

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Purchase Order No.:

Project Location: NEW BEDFORD, WALSH FIELD  
Date Received: 2/19/2009

LIMS-BAT #: LIMIT-23400  
Job Number: 115058

**Field Sample # : WFA11-A (0-1)**

**Sample ID : 09B04891** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	168	02/25/09	OP	0.92		

**Field Sample # : WFA11-A (1-3)**

**Sample ID : 09B04892** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	498	02/25/09	OP	1.52		

**Field Sample # : WFA11-B (0-1)**

**Sample ID : 09B04898** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	160	02/25/09	OP	0.89		

**Field Sample # : WFA11-B (1-3)QC**

**Sample ID : 09B04899** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	1420	02/25/09	OP	1.42		

**Field Sample # : WFA11-C (0-1)**

**Sample ID : 09B04893** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	119	02/25/09	OP	0.92		

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Purchase Order No.:

Project Location: NEW BEDFORD, WALSH FIELD  
Date Received: 2/19/2009

LIMS-BAT #: LIMIT-23400  
Job Number: 115058

**Field Sample # : WFA11-C (1-3)**

**Sample ID : 09B04894**      ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	606	02/25/09	OP	2.16		

**Field Sample # : WFA11-D (0-1)**

**Sample ID : 09B04895**      ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	163	02/25/09	OP	0.89		

**Field Sample # : WFA11-D (1-3)**

**Sample ID : 09B04896**      ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	1100	02/25/09	OP	1.56		

**Field Sample # : WFA11-I (1-3)**

**Sample ID : 09B04897**      ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	254	02/25/09	OP	1.83		

**Field Sample # : WFB11-A (0-1)**

**Sample ID : 09B04904**      ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	91.2	02/25/09	OP	0.89		

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Purchase Order No.:

Project Location: NEW BEDFORD, WALSH FIELD  
Date Received: 2/19/2009

LIMS-BAT #: LIMIT-23400  
Job Number: 115058

**Field Sample # : WFB11-A (1-3)QC**

**Sample ID : 09B04905** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	1690	02/25/09	OP	0.94		

**Field Sample # : WFB11-B (0-1)**

**Sample ID : 09B04902** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	103	02/25/09	OP	0.95		

**Field Sample # : WFB11-B (1-3)**

**Sample ID : 09B04903** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	1300	02/25/09	OP	0.98		

**Field Sample # : WFB11-C (0-1)**

**Sample ID : 09B04907** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	107	02/25/09	OP	0.89		

**Field Sample # : WFB11-C (1-3)**

**Sample ID : 09B04908** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	526	02/25/09	OP	1.07		

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Purchase Order No.:

Project Location: NEW BEDFORD, WALSH FIELD  
Date Received: 2/19/2009

LIMS-BAT #: LIMIT-23400  
Job Number: 115058

**Field Sample # : WFB11-D (0-1)**

**Sample ID : 09B04900** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	89.3	02/25/09	OP	0.97		

**Field Sample # : WFB11-D (1-3)**

**Sample ID : 09B04901** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	869	02/25/09	OP	1.02		

**Field Sample # : WFB11-J (1-3)**

**Sample ID : 09B04906** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Lead	mg/kg dry wt	2410	02/25/09	OP	1.02		

Analytical Method:

SW846 3050/6010

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

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Purchase Order No.:

Project Location: NEW BEDFORD, WALSH FIELD

LIMS-BAT #: LIMIT-23400

Date Received: 2/19/2009

Job Number: 115058

Field Sample #: WFA11-A (0-1)

Sample ID : 09B04891      ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	82.4	02/23/09	FD			

Field Sample #: WFA11-A (1-3)

Sample ID : 09B04892      ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	49.5	02/23/09	FD			

Field Sample #: WFA11-B (0-1)

Sample ID : 09B04898      ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	84.8	02/23/09	FD			

Field Sample #: WFA11-B (1-3)QC

Sample ID : 09B04899      ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	53.0	02/23/09	FD			

Field Sample #: WFA11-C (0-1)

Sample ID : 09B04893      ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	82.2	02/23/09	FD			

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Purchase Order No.:

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Date Received: 2/19/2009

LIMS-BAT #: LIMIT-23400  
Job Number: 115058

**Field Sample # : WFA11-C (1-3)**

**Sample ID : 09B04894** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	34.8	02/23/09	FD			

**Field Sample # : WFA11-D (0-1)**

**Sample ID : 09B04895** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	84.6	02/23/09	FD			

**Field Sample # : WFA11-D (1-3)**

**Sample ID : 09B04896** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	48.1	02/23/09	FD			

**Field Sample # : WFA11-I (1-3)**

**Sample ID : 09B04897** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	41.2	02/23/09	FD			

**Field Sample # : WFB11-A (0-1)**

**Sample ID : 09B04904** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	85.2	02/23/09	FD			

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Project Location: NEW BEDFORD, WALSH FIELD  
Date Received: 2/19/2009

LIMS-BAT #: LIMIT-23400  
Job Number: 115058

**Field Sample # : WFB11-A (1-3)QC**

**Sample ID : 09B04905** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	79.8	02/23/09	FD			

**Field Sample # : WFB11-B (0-1)**

**Sample ID : 09B04902** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	79.2	02/23/09	FD			

**Field Sample # : WFB11-B (1-3)**

**Sample ID : 09B04903** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	76.6	02/23/09	FD			

**Field Sample # : WFB11-C (0-1)**

**Sample ID : 09B04907** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	84.7	02/23/09	FD			

**Field Sample # : WFB11-C (1-3)**

**Sample ID : 09B04908** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	70.6	02/23/09	FD			

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Purchase Order No.:

Project Location: NEW BEDFORD, WALSH FIELD  
Date Received: 2/19/2009

LIMS-BAT #: LIMIT-23400  
Job Number: 115058

**Field Sample # : WFB11-D (0-1)**

**Sample ID : 09B04900** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	77.9	02/23/09	FD			

**Field Sample # : WFB11-D (1-3)**

**Sample ID : 09B04901** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	73.7	02/23/09	FD			

**Field Sample # : WFB11-J (1-3)**

**Sample ID : 09B04906** ‡Sampled : 2/19/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	74.1	02/23/09	FD			

Analytical Method:

SM 2540G

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

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Purchase Order No.:

Project Location: NEW BEDFORD, WALSH FIELD  
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\*\* END OF REPORT \*\*

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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: 2/26/2009

Lims Bat # : LIMIT-23400

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QC Batch Number: ICP-21224

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04899	Lead	Sample Amount	1415.37	mg/kg dry wt	
		Duplicate Value	1528.36	mg/kg dry wt	
		Duplicate RPD	7.67	%	0-35
		Sample Amount	1415.37	mg/kg dry wt	
		Matrix Spk Amt Added	47.16	mg/kg dry wt	
		MS Amt Measured	1201.03	mg/kg dry wt	
		Matrix Spike % Rec.	-454.39	%	75-125
		MSD Amount Added	47.16	mg/kg dry wt	
		MSD Amt Measured	969.33	mg/kg dry wt	
		MSD % Recovery	-945.59	%	75-125
		MSD Range	491.20	units	
		MS Duplicate RPD	21.35	%	0-35
09B04905	Lead	Sample Amount	1692.15	mg/kg dry wt	
		Duplicate Value	2072.44	mg/kg dry wt	
		Duplicate RPD	20.20	%	0-35
		Sample Amount	1692.15	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	2022.42	mg/kg dry wt	
		Matrix Spike % Rec.	1054.23	%	75-125
		MSD Amount Added	31.32	mg/kg dry wt	
		MSD Amt Measured	2228.98	mg/kg dry wt	
		MSD % Recovery	1713.57	%	75-125
		MSD Range	659.34	units	
		MS Duplicate RPD	9.71	%	0-35
BLANK-129907	Lead	Blank	<0.75	mg/kg dry wt	
LFBLANK-92036	Lead	Lab Fort Blank Amt.	136.00	mg/kg dry wt	
		Lab Fort Blk. Found	122.74	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.25	%	82-118
		Dup Lab Fort Bl Amt.	136.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	123.50	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.80	%	82-118
		Lab Fort Blank Range	0.55	units	
		Lab Fort Bl. Av. Rec	90.52	%	
		LFB Duplicate RPD	0.61	%	0-30



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: 2/26/2009

Lims Bat #: LIMIT-23400

Page 2 of 2

### 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>LIM T-23400</b>
Project Location: <b>NEW BEDFORD, WALSH FIELD</b>	MADEP RTN <sup>1</sup> :

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

**09B04891-09B04908**

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 type="checkbox"/> Yes <input checked="" 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>Edward Denson</u>	Position: Technical Director
Printed Name: Edward Denson	Date: <u>2/26/09</u>





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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 2 of 5

Company Name: TRC

Address: 650 Suffolk St.

Lowell Ma. 01854

Attention: Dave Sullivan

Project Location: New Bedford, Marsh field

Sampled By: H. Bizzia & K. Kitchin

Proposal Provided? (For Billing purposes)

☐ yes ☐ no

State Form Required?

☒ yes ☐ no

Telephone: (978) 920-5600

Project # 115058

Client PO #

DATA DELIVERY (check one):

☒ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: dsullivan@contestlabs.com

Format: ☒ EXCEL ☒ PDF ☐ GIS KEY

☐ OTHER

Date Sampled

Start Date/Time

Step Date/Time

Comp-  
osite

Grab

\*Matrix  
Code

Conc.  
Code

Analysis Requested

Client Comments:

# of containers

\*\*Preservation

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

-Cont. Code

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

\*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

7C

\*\* 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/DBE Certified





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CHAIN OF CUSTODY RECORD

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

Company Name: MEC  
Address: 650 Suffolk St.  
Lowell MA 01854  
Attention: Dave Sullivan

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

Project Location: New Bedford, Nalish Field  
Sampled By: H. Lizza + K. Kitchin

Proposal Provided? (For Billing purposes)  
☐ yes ☒ no

State Form Required?  
☒ yes ☐ no

DATA DELIVERY (check one):  
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT  
Fax # : \_\_\_\_\_  
Email: D.Sullivan@contestlabs.com  
Format: ☒ EXCEL ☐ PDF ☐ GIS KEY

Date Sampled  
☐ OTHER

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp- osite	Grab	Matrix Code	Conc. Code	Analysis Requested	Client Comments:
WFB11-F (1-3)		09B	2/19/09 1200		X	X	S		Lead	
WFB11-H (0-1)				1340	X	X	S		HOLD	
WFB11-H (1-3)				1345	X	X	S		HOLD	
WFB11-D (6-1)		04900		1355	X	X	S			
WFB11-D (1-3)		04901		1400	X	X	S			
WFB11-B (0-1)		04902		1415	X	X	S			
WFB11-B (1-3)		04903		1420	X	X	S			
WFB11-F (0-1)			2/19/09 1430		X	X	S		HOLD	

Laboratory Comments:

See pg 1

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>2/19/09 1613</u>	Turnaround ** <input type="checkbox"/> 7-Day <input type="checkbox"/> 10-Day <input checked="" type="checkbox"/> Other: <u>RUSH</u>	Detection Limit Requirements Regulations? <u>MCP 81/52</u>	*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>2/19/09 1613</u>		Data Enhancement Project/HCP? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		
Relinquished by: (signature) <u>[Signature]</u>	Date/Time: <u>2/19/09 1840</u>		Special Requirements or DL's: _____		
Received by: (signature) <u>[Signature]</u>	Date/Time: <u>2/19/09 1840</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.



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CHAIN OF CUSTODY RECORD

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

Company Name: IRE

Address: 650 Suffolk St.

City/State/Zip: Lowell Ma. 01854

Attention: Dave Sullivan

Project Location: New Bedford, beach field

Sampled By: H. Lizza & K. Kitchin

Proposal Provided? (For Billing purposes) ☒ yes ☐ no

State Form Required? ☒ yes ☐ no

Telephone: (978) 970-5600

Project # 115058

Client PO #

DATA DELIVERY (check one):  
☒ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: Sullivan@resolutions.com

Format: ☒ EXCEL ☒ PDF ☐ GIS KEY

Date Sampled

Start Date/Time Stop Date/Time

Comp. Grab Matrix Conc.

Code Code

Code

Code

Code

Code

Code

Code

Code

Code

Code

Code

Code

Code

Code

Code

Code

Code

Code

# of containers

\*\*Preservation

-Cont. Code

-Cont. Code:

A=amber glass

G=glass

P=plastic

ST=sterile

V=vial

S=summary can

T=teflon bag

O=Other

Client

Comments:

Lead

40LD

40LD

40LD

40LD

40LD

40LD

40LD

40LD

40LD

40LD

40LD

40LD

40LD

40LD

Relinquished by (signature) [Signature] Date/Time: 3/19/09 1613

Received by (signature) [Signature] Date/Time: 3/19/09 1613

Relinquished by (signature) [Signature] Date/Time: 3/19/09 1613

Received by (signature) [Signature] Date/Time: 3/19/09 1613

Relinquished by (signature) [Signature] Date/Time: 3/19/09 1613

Received by (signature) [Signature] Date/Time: 3/19/09 1613

Relinquished by (signature) [Signature] Date/Time: 3/19/09 1613

Received by (signature) [Signature] Date/Time: 3/19/09 1613

Turnaround \*\*  
☐ 7-Day  
☒ 10-Day  
☐ Other: 3 Day

Detection Limit Requirements  
Regulations? MSL 51/52

Special Requirements or DL's: RUSH

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

\*Require lab approval

\*Turnaround time starts at 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS

INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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www.contestlabs.com

# CHAIN OF CUSTODY RECORD

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

Page 5 of 5

Company Name: TRC

Address: 650 Suffolk St.

Lowell MA 01854

Attention: Dave Sullivan

Project Location: New Bedford Marsh field

Sampled By: H. Lizza + K. Kitchen

Proposal Provided? (For Billing purposes) ☒ yes ☐ no

State Form Required? ☒ yes ☐ no

Telephone: (978) 970-5600

Project # 115058

Client PO #

DATA DELIVERY (check one):

☒ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: D.Sullivan@TRCSolutions.com

Format: ☒ EXCEL ☐ PDF ☐ GIS KEY

☐ OTHER

Date Sampled

Start Date/Time: 2/19/09 1530

Stop Date/Time: 1535

Comp. Grab

Matrix Code

Conc. Code

Lead

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

## ANALYSIS REQUESTED

# of containers

\*\*Preservation

-Cont. Code

-Cont. Code:

A=amber glass

G=glass

P=plastic

ST=sterile

V=vial

S=summary can

T=teal bag

O=Other

Client 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 2 Day

RUSH \*

☐ \*24-Hr ☐ \*48-Hr

☐ \*72-Hr ☐ \*4-Day

\* Require lab approval

## Detection Limit Requirements

Regulations? PCR 51/52

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 X= Na hydroxide

H= HCL T= Na thiosulfate

M= Methanol

N= Nitric Acid

S= Sulfuric Acid

B= Sodium bisulfate

O= Other

Laboratory Comments:

See page 1

Relinquished by: (signature)

Received by: (signature)

Relinquished by: (signature)

Received by: (signature)

Relinquished by: (signature)

Received by: (signature)

Relinquished by: (signature)

Received by: (signature)

Relinquished by: (signature)

Received by: (signature)

Relinquished by: (signature)

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

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

### Sample Receipt Checklist

CLIENT NAME: TRC Low RECEIVED BY: OEC DATE: 2/19/09

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

On Ice ☐ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

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

Temperature °C by Temp blank 3.0°C Temperature °C by Temp gun \_\_\_\_\_

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

Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

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

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

Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

8) Location where samples are stored: 19

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

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

### Containers sent in to Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz clear jar	<u>34</u>
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