

REPORT DATE 3/2/2009

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

CONTRACT NUMBER: PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23430 JOB NUMBER: 115058

PROJECT LOCATION: NEW BEDFORD-WALSH FIELD

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
SB-233-A(0-1)	09B05085	SOIL	Not Specified	cd (mg/kg)dw icp	
SB-233-A(0-1)	09B05085	SOIL	Not Specified	pb (mg/kg)dw icp	
SB-233-A(0-1)	09B05085	SOIL	Not Specified	solids (percent)	
SB-233-A(1-3)	09B05086	SOIL	Not Specified	cd (mg/kg)dw icp	
SB-233-A(1-3)	09B05086	SOIL	Not Specified	pb (mg/kg)dw icp	
SB-233-A(1-3)	09B05086	SOIL	Not Specified	solids (percent)	
SB-233-B(0-1)	09B05089	SOIL	Not Specified	cd (mg/kg)dw icp	
SB-233-B(0-1)	09B05089	SOIL	Not Specified	pb (mg/kg)dw icp	
SB-233-B(0-1)	09B05089	SOIL	Not Specified	solids (percent)	
SB-233-B(1-3)	09B05090	SOIL	Not Specified	cd (mg/kg)dw icp	
SB-233-B(1-3)	09B05090	SOIL	Not Specified	pb (mg/kg)dw icp	
SB-233-B(1-3)	09B05090	SOIL	Not Specified	solids (percent)	
SB-233-C(0-1)	09B05082	SOIL	Not Specified	cd (mg/kg)dw icp	
SB-233-C(0-1)	09B05082	SOIL	Not Specified	pb (mg/kg)dw icp	
SB-233-C(0-1)	09B05082	SOIL	Not Specified	solids (percent)	
SB-233-C(1-3)	09B05083	SOIL	Not Specified	cd (mg/kg)dw icp	
SB-233-C(1-3)	09B05083	SOIL	Not Specified	pb (mg/kg)dw icp	
SB-233-C(1-3)	09B05083	SOIL	Not Specified	solids (percent)	
SB-233-D(0-1)QC	09B05087	SOIL	Not Specified	cd (mg/kg)dw icp	
SB-233-D(0-1)QC	09B05087	SOIL	Not Specified	pb (mg/kg)dw icp	
SB-233-D(0-1)QC	09B05087	SOIL	Not Specified	solids (percent)	
SB-233-D(1-3)	09B05088	SOIL	Not Specified	cd (mg/kg)dw icp	
SB-233-D(1-3)	09B05088	SOIL	Not Specified	pb (mg/kg)dw icp	
SB-233-D(1-3)	09B05088	SOIL	Not Specified	solids (percent)	
SBD-003(0-1)	09B05084	SOIL	Not Specified	cd (mg/kg)dw icp	
SBD-003(0-1)	09B05084	SOIL	Not Specified	pb (mg/kg)dw icp	
SBD-003(0-1)	09B05084	SOIL	Not Specified	solids (percent)	
SBD-004	09B05091	SOIL	Not Specified	cd (mg/kg)dw icp	
SBD-004	09B05091	SOIL	Not Specified	pb (mg/kg)dw icp	
SBD-004	09B05091	SOIL	Not Specified	solids (percent)	
WFA-010-A(0-1)	09B05074	SOIL	Not Specified	cd (mg/kg)dw icp	
WFA-010-A(0-1)	09B05074	SOIL	Not Specified	pb (mg/kg)dw icp	
WFA-010-A(0-1)	09B05074	SOIL	Not Specified	solids (percent)	
WFA-010-A(1-3)	09B05075	SOIL	Not Specified	cd (mg/kg)dw icp	
WFA-010-A(1-3)	09B05075	SOIL	Not Specified	pb (mg/kg)dw icp	
WFA-010-A(1-3)	09B05075	SOIL	Not Specified	solids (percent)	
WFA-010-B(0-1)	09B05080	SOIL	Not Specified	cd (mg/kg)dw icp	
WFA-010-B(0-1)	09B05080	SOIL	Not Specified	pb (mg/kg)dw icp	
WFA-010-B(0-1)	09B05080	SOIL	Not Specified	solids (percent)	



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ANALYTICAL SUMMARY

					LIMS BAT #:	LIMT-23430
					JOB NUMBER:	115058
WFA-010-B(1-3)	09B05081	SOIL	Not Specified	cd (mg/kg	J)dw icp	
WFA-010-B(1-3)	09B05081	SOIL	Not Specified	pb (mg/kg	g)dw icp	
WFA-010-B(1-3)	09B05081	SOIL	Not Specified	solids (pe	rcent)	
WFA-010-C(0-1)	09B05076	SOIL	Not Specified	cd (mg/kg))dw icp	
WFA-010-C(0-1)	09B05076	SOIL	Not Specified	pb (mg/kg	g)dw icp	
WFA-010-C(0-1)	09B05076	SOIL	Not Specified	solids (pe	rcent)	
WFA-010-C(1-3)	09B05077	SOIL	Not Specified	cd (mg/kg))dw icp	
WFA-010-C(1-3)	09B05077	SOIL	Not Specified	pb (mg/kg	g)dw icp	
WFA-010-C(1-3)	09B05077	SOIL	Not Specified	solids (pe	rcent)	
WFA-010-D(0-1)QC	09B05078	SOIL	Not Specified	cd (mg/kg	ı)dw icp	
WFA-010-D(0-1)QC	09B05078	SOIL	Not Specified	pb (mg/kg	g)dw icp	
WFA-010-D(0-1)QC	09B05078	SOIL	Not Specified	solids (pe	rcent)	
WFA-010-D(1-3)	09B05079	SOIL	Not Specified	cd (mg/kg	ı)dw icp	
WFA-010-D(1-3)	09B05079	SOIL	Not Specified	pb (mg/kg	g)dw icp	
WFA-010-D(1-3)	09B05079	SOIL	Not Specified	solids (pe	rcent)	



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

CONTRACT NUMBER: PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #:

LIMT-23430

JOB NUMBER: 115058

Comments:

LIMS BATCH NO.: LIMT-23430

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

Only Cd and Pb were requested and reported.

A sample duplicate and ms were performed on samples 09B05078 and 09B05087. The sample duplicate for 09B05087 is not reported for Cd due to non detect sample and duplicate results.

For sample 09B05078, the ms was outside control limits for Pb. Sample concentration is >4X spike concentration, 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.

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



DAVID SULLIVAN

TRC SOLUTIONS - LOWELL 3/2/2009
650 SUFFOLK STREET Page 1 of 13

LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH FIELD LIMS-BAT #: LIMT-23430

Date Received: 2/20/2009 Job Number: 115058

Field Sample #: SB-233-A(0-1)

Sample ID: 09B05085 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Cadmium mg/kg dry wt ND 02/27/09 KSH 0.30

Field Sample #: SB-233-A(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Cadmium mg/kg dry wt 0.74 02/27/09 KSH 0.32

Field Sample #: SB-233-B(0-1)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Cadmium mg/kg dry wt ND 02/27/09 KSH 0.29

Field Sample #: SB-233-B(1-3)

Not Specified

Sample Matrix: SOIL

 Units
 Results
 Date Analyst Analyst RL Analyst RL Analyst RL SPEC Limit P/ F Analyzed
 SPEC Limit P/ F Lo Hi

 Cadmium
 mg/kg dry wt 1.51
 02/27/09 KSH 0.27

Field Sample #: SB-233-C(0-1)

Not Specified

Sample Matrix: SOIL

Units Results Date RLSPEC Limit P/F Analyst Analyzed Lo Ηi Cadmium ND 02/27/09 **KSH** 0.30 mg/kg dry wt

RL = Reporting Limit

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DAVID SULLIVAN

TRC SOLUTIONS - LOWELL 3/2/2009
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LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH FIELD LIMS-BAT #: LIMT-23430

Date Received: 2/20/2009 Job Number: 115058

Field Sample #: SB-233-C(1-3)

Sample ID: 09B05083 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Cadmium mg/kg dry wt 4.26 02/27/09 KSH 0.31

Field Sample #: SB-233-D(0-1)QC

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Cadmium mg/kg dry wt ND 02/27/09 KSH 0.28

Field Sample #: SB-233-D(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Cadmium mg/kg dry wt 4.08 02/27/09 KSH 0.31

Field Sample #: SBD-003(0-1)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Cadmium mg/kg dry wt ND 02/27/09 KSH 0.31

Field Sample #: SBD-004

Not Specified

Sample Matrix: SOIL

Units Results Date RLSPEC Limit P/F Analyst Analyzed Lo Ηi Cadmium 0.68 02/27/09 **KSH** 0.29 mg/kg dry wt

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DAVID SULLIVAN

TRC SOLUTIONS - LOWELL 3/2/2009
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LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH FIELD LIMS-BAT #: LIMT-23430

Date Received: 2/20/2009 Job Number: 115058

Field Sample #: WFA-010-A(0-1)

Sample ID: 09B05074 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Cadmium mg/kg dry wt 0.60 02/27/09 KSH 0.35

Field Sample #: WFA-010-A(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F
Analyzed Lo Hi

Cadmium mg/kg dry wt 2.66 02/27/09 KSH 0.53

Field Sample #: WFA-010-B(0-1)

Sample ID: 09B05080 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Cadmium mg/kg dry wt 0.39 02/27/09 KSH 0.29

Field Sample #: WFA-010-B(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Cadmium mg/kg dry wt 0.62 02/27/09 KSH 0.35

Field Sample #: WFA-010-C(0-1)

Not Specified

Sample Matrix: SOIL

Units Results Date RLSPEC Limit P/F Analyst Analyzed Lo Ηi Cadmium 0.50 02/27/09 **KSH** 0.35 mg/kg dry wt

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TRC SOLUTIONS - LOWELL 3/2/2009
650 SUFFOLK STREET Page 4 of 13

LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH FIELD LIMS-BAT #:

Date Received: 2/20/2009 Job Number: 115058

Field Sample #: WFA-010-C(1-3)

Sample ID: 09B05077 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

LIMT-23430

Cadmium mg/kg dry wt 0.95 02/27/09 KSH 0.48

Field Sample #: WFA-010-D(0-1)QC

Sample ID: 09B05078 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Cadmium mg/kg dry wt 0.49 02/27/09 KSH 0.31

Field Sample #: WFA-010-D(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Cadmium mg/kg dry wt 0.68 02/27/09 KSH 0.39

Analytical Method: 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 3/2/2009
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LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH FIELD LIMS-BAT #: LIMT-23430

Date Received: 2/20/2009 Job Number: 115058

Field Sample #: SB-233-A(0-1)

Sample ID: 09B05085 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F
Analyzed Lo Hi

Lead mg/kg dry wt 32.9 02/27/09 KSH 0.90

Field Sample #: SB-233-A(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Lead mg/kg dry wt 230 02/27/09 KSH 0.96

Field Sample #: SB-233-B(0-1)

Sample ID: 09B05089 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Lead mg/kg dry wt 51.5 02/27/09 KSH 0.86

Field Sample #: SB-233-B(1-3)

Not Specified

Sample Matrix: SOIL

 Units
 Results
 Date Analyst Analysed
 RL SPEC Limit P/ F

 Lead
 mg/kg dry wt
 523
 02/27/09
 KSH
 0.79

Field Sample #: SB-233-C(0-1)

Not Specified

Sample Matrix: SOIL

Units Results Date SPEC Limit P/F Analyst RL Analyzed Lo Hi Lead 47.4 02/27/09 **KSH** 0.88 mg/kg dry wt

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TRC SOLUTIONS - LOWELL 3/2/2009
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LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH FIELD LIMS-BAT #: LIMT-23430

Date Received: 2/20/2009 Job Number: 115058

Field Sample #: SB-233-C(1-3)

Sample ID: 09B05083 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F
Analyzed Lo Hi

Lead mg/kg dry wt 394 02/27/09 KSH 0.93

Field Sample #: SB-233-D(0-1)QC

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F
Analyzed Lo Hi

Lead mg/kg dry wt 18.2 02/27/09 KSH 0.84

Field Sample #: SB-233-D(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Lead mg/kg dry wt 22300 02/27/09 KSH 0.91

Field Sample #: SBD-003(0-1)

Not Specified

Sample Matrix: SOIL

 Units
 Results
 Date Analyst RL Analyst RL SPEC Limit P/ F Analyzed
 SPEC Limit P/ F Lo Hi

 Lead
 mg/kg dry wt 44.7
 02/27/09 KSH 0.92

Field Sample #: SBD-004

Sample ID: 09B05091 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date SPEC Limit P/F Analyst RL Analyzed Lo Hi Lead 301 02/27/09 **KSH** 0.85 mg/kg dry wt

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TRC SOLUTIONS - LOWELL 3/2/2009
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LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH FIELD LIMS-BAT #: LIMT-23430

Date Received: 2/20/2009 Job Number: 115058

Field Sample #: WFA-010-A(0-1)

Sample ID: 09B05074 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Lead mg/kg dry wt 205 02/27/09 KSH 1.05

Field Sample #: WFA-010-A(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Lead mg/kg dry wt 736 02/27/09 KSH 1.59

Field Sample #: WFA-010-B(0-1)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Lead mg/kg dry wt 162 02/27/09 KSH 0.86

Field Sample #: WFA-010-B(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Lead mg/kg dry wt 632 02/27/09 KSH 1.05

Field Sample #: WFA-010-C(0-1)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F
Analyzed Lo Hi

Lead mg/kg dry wt 213 02/27/09 KSH 1.03

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TRC SOLUTIONS - LOWELL 3/2/2009 650 SUFFOLK STREET Page 8 of 13

LOWELL, MA 01852 Purchase Order No.:

Project Location: **NEW BEDFORD-WALSH FIELD** LIMS-BAT #:

Date Received: 2/20/2009 Job Number: 115058

Field Sample #: WFA-010-C(1-3)

09B05077 **\$Sampled: 2/20/2009** Sample ID:

Not Specified

Sample Matrix: SOIL

Units Date RL SPEC Limit P/F Results Analyst

Analyzed Lo Hi

LIMT-23430

Lead mg/kg dry wt 655 02/27/09 **KSH** 1.44

Field Sample #: WFA-010-D(0-1)QC

09B05078 **\$Sampled**: 2/20/2009 Sample ID:

Not Specified

SOIL Sample Matrix:

Units Results Date Analyst RL SPEC Limit P/F

Analyzed Lo Hi

Lead mg/kg dry wt 02/27/09 0.93 154 **KSH**

Field Sample #: WFA-010-D(1-3)

Sample ID: 09B05079 **\$Sampled: 2/20/2009**

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RLSPEC Limit P/F Analyzed Lo Ηi

112 02/27/09 Lead **KSH** 1.15 mg/kg dry wt

Analytical Method: SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY

INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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TRC SOLUTIONS - LOWELL 3/2/2009
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LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH FIELD LIMS-BAT #: LIMT-23430

Date Received: 2/20/2009 Job Number: 115058

Field Sample #: SB-233-A(0-1)

Sample ID: 09B05085 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Solids, total % 83.9 02/26/09 FD

Field Sample #: SB-233-A(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Solids, total % 78.4 02/26/09 FD

Field Sample #: SB-233-B(0-1)

Sample ID: 09B05089 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Solids, total % 88.2 02/26/09 FD

Field Sample #: SB-233-B(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F
Analyzed Lo Hi

Solids, total % 95.5 02/26/09 FD

Field Sample #: SB-233-C(0-1)

Not Specified

Sample Matrix: SOIL

 Units
 Results
 Date Analyst RL Analyst RL SPEC Limit P/ F Analyzed
 SPEC Limit P/ F Lo Hi

 Solids, total
 %
 86.0
 02/26/09 FD

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TRC SOLUTIONS - LOWELL 3/2/2009
650 SUFFOLK STREET Page 10 of 13

LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH FIELD LIMS-BAT #:

Date Received: 2/20/2009 Job Number: 115058

Field Sample #: SB-233-C(1-3)

Sample ID: 09B05083 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

LIMT-23430

Solids, total % 80.9 02/26/09 FD

Field Sample #: SB-233-D(0-1)QC

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F
Analyzed Lo Hi

Solids, total % 89.3 02/26/09 FD

Field Sample #: SB-233-D(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Solids, total % 82.5 02/26/09 FD

Field Sample #: SBD-003(0-1)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Solids, total % 81.9 02/26/09 FD

Field Sample #: SBD-004

Sample ID: 09B05091 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

 Units
 Results
 Date Analyst RL Analyst RL Lo Hi
 SPEC Limit P/ F Lo Hi

 Solids, total
 %
 88.8
 02/26/09 FD

RL = Reporting Limit

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NM = Not Measured

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



DAVID SULLIVAN

TRC SOLUTIONS - LOWELL 3/2/2009 650 SUFFOLK STREET Page 11 of 13

LOWELL, MA 01852 Purchase Order No.:

Project Location: **NEW BEDFORD-WALSH FIELD** LIMS-BAT #: LIMT-23430

Date Received: 2/20/2009 Job Number: 115058

Field Sample #: WFA-010-A(0-1)

09B05074 **\$Sampled: 2/20/2009** Sample ID:

Not Specified

Sample Matrix: SOIL

Units SPEC Limit P/F Results Date Analyst RL

Lo Analyzed Ηi

% 71.7 Solids, total 02/26/09 FD

Field Sample #: WFA-010-A(1-3)

Sample ID: 09B05075 ‡Sampled: 2/20/2009

Not Specified

SOIL Sample Matrix:

Units Results Date RL SPEC Limit P/F Analyst Analyzed Lo Hi

% 02/26/09 FD Solids, total 47.2

Field Sample #: WFA-010-B(0-1)

Sample ID: 09B05080 **\$Sampled: 2/20/2009**

Not Specified

Sample Matrix: SOIL

Units Results Date RLSPEC Limit P/F Analyst Analyzed Lo Hi

02/26/09 Solids, total 87.6 FD

Field Sample #: WFA-010-B(1-3)

Sample ID: 09B05081 **\$Sampled: 2/20/2009**

Not Specified

Sample Matrix: SOIL

Units Results RL SPEC Limit P/F Date Analyst Analyzed Lo

% Solids, total 72.0 02/26/09 FD

Field Sample #: WFA-010-C(0-1)

‡Sampled: 2/20/2009 Sample ID: 09B05076

Not Specified

SOIL Sample Matrix:

Units Results Date SPEC Limit P/F Analyst RL Analyzed Lo Ηi

Solids, total % 72.9 02/26/09 FD

SPEC LIMIT = a client specified recommended or RL = Reporting Limit regulatory level for comparison with data to

ND = Not Detected at or above the Reporting Limit

determine PASS (P) or FAIL (F) condition of results.

NM = Not Measured

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



DAVID SULLIVAN

TRC SOLUTIONS - LOWELL 3/2/2009
650 SUFFOLK STREET Page 12 of 13

LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH FIELD LIMS-BAT #:

Date Received: 2/20/2009 Job Number: 115058

Field Sample #: WFA-010-C(1-3)

Sample ID: 09B05077 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

LIMT-23430

Solids, total % 52.4 02/26/09 FD

Field Sample #: WFA-010-D(0-1)QC

Sample ID: 09B05078 ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Solids, total % 81.0 02/26/09 FD

Field Sample #: WFA-010-D(1-3)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F Analyzed Lo Hi

Solids, total % 65.5 02/26/09 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

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

NM = Not Measured

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



DAVID SULLIVAN

TRC SOLUTIONS - LOWELL 3/2/2009
650 SUFFOLK STREET Page 13 of 13

LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH FIELD LIMS-BAT #: LIMT-23430

Date Received: 2/20/2009 Job Number: 115058

** END OF REPORT **

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



39 Spruce Street $^\circ$ East Longmeadow, MA $\,$ 01028 $^\circ$ FAX 413/525-6405 $^\circ$ 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:	3/2/2009	Lims Bat #: LIMT-23430		Page 1 of	ა
QC Batch Numb					
Sample Id	Analysis	QC Analysis	Values	Units	Limits
9B05078					
	Cadmium	Sample Amount	0.48	mg/kg dry wt	
		Duplicate Value	0.46	mg/kg dry wt	
		Duplicate RPD	4.11	%	0-35
		Sample Amount	0.48	mg/kg dry wt	
		Matrix Spk Amt Added	30.86	mg/kg dry wt	
		MS Amt Measured	26.62	mg/kg dry wt	
		Matrix Spike % Rec.	84.69	%	75-125
	Lead	Sample Amount	154.39	mg/kg dry wt	
		Duplicate Value	144.76	mg/kg dry wt	
		Duplicate RPD	6.43	%	0-35
		Sample Amount	154.39	mg/kg dry wt	
		Matrix Spk Amt Added	30.86	mg/kg dry wt	
		MS Amt Measured	205.73	mg/kg dry wt	
		Matrix Spike % Rec.	166.35	%	75-125
9B05087					
	Cadmium	Sample Amount	<0.28	mg/kg dry wt	
		Matrix Spk Amt Added	27.99	mg/kg dry wt	
		MS Amt Measured	23.88	mg/kg dry wt	
		Matrix Spike % Rec.	85.32	%	75-125
	Lead	Sample Amount	18.17	mg/kg dry wt	
		Duplicate Value	14.91	mg/kg dry wt	
		Duplicate RPD	19.72	%	0-35
		Sample Amount	18.17	mg/kg dry wt	
		Matrix Spk Amt Added	27.99	mg/kg dry wt	
		MS Amt Measured	46.37	mg/kg dry wt	
		Matrix Spike % Rec.	100.72	%	75-125
LANK-130113					
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
FBLANK-92260					
	Cadmium	Lab Fort Blank Amt.	258.00	mg/kg dry wt	
		Lab Fort Blk. Found	229.91	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.11	%	83-117
		Dup Lab Fort Bl Amt.	258.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	235.50	mg/kg dry wt	
		Dup Lab Fort BI %Rec	91.27	%	83-117
		Lab Fort Blank Range	2.16	units	
		Lab Fort Bl. Av. Rec	90.19	%	
		LFB Duplicate RPD	2.40	%	0-30
	Lead	Lab Fort Blank Amt.	136.00	mg/kg dry wt	
		Lab Fort Blk. Found	114.43	mg/kg dry wt	
		Lab Fort Blk. % Rec.	84.13	%	82-118
		Dup Lab Fort Bl Amt.	136.00	mg/kg dry wt	



39 Spruce Street $^\circ$ East Longmeadow, MA $\,$ 01028 $^\circ$ FAX 413/525-6405 $^\circ$ 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:	3/2/2009	Lims Bat #: LIMT-23430		Page 2 of	3
QC Batch Numb	er: ICP-21257				
Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92260)				
	Lead	Dup Lab Fort Bl. Fnd	119.93	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	88.18	%	82-118
		Lab Fort Blank Range	4.04	units	
		Lab Fort Bl. Av. Rec	86.16	%	
		LFB Duplicate RPD	4.69	%	0-30



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: 3/2/2009 Lims Bat #: LIMT-23430 Page 3 of 3

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

This is the number assigned to all samples analyzed together that QC BATCH NUMBER

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.

Amount of analyte found in a sample. Sample Amount

Method Blank that has been taken though all the steps of the Blank

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

Amount of analyte found including amount that was spiked MS Amt Measured

Matrix Spike % Rec. % Recovery of spiked amount in sample.

Duplicate Value The result from the Duplicate analysis of the sample.

The Relative Percent Difference between two Duplicate Analyses. Duplicate RPD

Surrogate Recovery The % Recovery for non-environmental compounds (surrogates) into samples to determine the performance of the

spiked 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 Duplicate Laboratory Fortified Blank Amount Found Dup Lab Fort Bl Fnd Duplicate Laboratory Fortified Blank % Recovery Dup Lab Fort Bl % Rec

Laboratory Fortified Blank Range (Absolute value of difference Lab Fort Blank Range 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

Matrix Spike Duplicate Amount Added (Spiked) MSD Amount Added 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

	N	1ADEP MCP AN	ALYTICAL METHOD F	REPORT CERTI	FICATION F	ORM		
Labo	oratory Name: CC	ON-TEST Analyt	ical Laboratory		Project #:	Lin	M - 23430	
Proje	ect Location: Ne	en beptori	b - Walsh F	ルシン	MADEP R	TN ¹ :		
This	Form provides ce	ertifications for the	e following data set: [[list Laboratory	Sample ID	Num	ber(s)]	
	0980507	eadpo -)	195					
Sam	ple Matrices:	Groundwater 💢	Soil/Sediment □ D	rinking Water	☐ Other:			
MC	P SW-846	8260B ()	8151A ()	8330 ()	6010B	X)	7470A/1A()	
Ме	ethods Used 8270C() 8081A() VPH() 6020() 9014M²() pecified in MADEP pendium of pendium							
	specified in MADEP 8082 () 8021B () EPH () 7000 S³ () 7196A () Inpendium of lytical Methods. 1 List Release Tracking Number (RTN), if known 2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method							
Analy		2 M - SW-846 M		Physiologically			(PAC) Method	
An a	affirmative resp	onse to question	ns A, B, C and D is	required for "l	Presumptiv	∕e Ce	ertainty" status	
Α	,	_	the laboratory in a c Custody documentation			: <u>X</u> \	∕es □ No¹	
В	included in thi	s report followe arrative QC data	quired for the specified, including the re- that did not meet a	quirement to	note and	Ĵ	√Yes □ No¹	
С	for "Presumptiv (d) of the MAD	e Certainty", as EP document CA	eport meet all the an described in Section AM VII A, "Quality As sition and Reporting	n 2.0 (a), (b), (ssurance and (c) and Quality	×	'Yes □ No ¹	
D			Was the VPH or EPH (see Section 11.3 of			[Yes □ No ¹	
	A response to d	questions E and	F below is required	d for "Presum	ptive Certa	inty'	' status	
E	7	ical QC performa ethods achieved	ance standards and ?	recommendatio	ons for		Yes ⋌No¹	
F	Were results for method(s) repo		t compounds/eleme	nts for the sp	ecified		Yes XNo¹	
¹ A/	l Negative respo	nses must be ad	dressed in an attache	ed Environmen	tal Laborato	ory ca	ase narratíve.	
inqui	ry of those re	sponsible for	pains and penalties obtaining the info y knowledge and be	rmation, the	material c	ontai	- "	
Sign	ature: Tಎಲ	Kappen	7	Position: Di	rector of O	pera	tions	
Prin	ted Name: Tod	l Kopyscinski		Date: 골- a	2-09			

CAM VII A, rev. 3.2 April 2004



Phone: 413-525-2332 Fax: 413-525-6405

Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD

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

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

AIHA, NELAC & WBE/DBE Certified



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CHAIN OF CUSTODY RECORD

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

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

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CHAIN OF CUSTODY RECORD

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

Pageof

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B = Sodium bisulfate O = Other	SL = sludge O = other					Day	□ *72-Hr □ *4-Day * Require lab approval	32.0	Date/Irme: コープロース	できょう	(signature)	Received by: (signature)
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Email: info@contestlabs.com Fax: 413-525-6405 Phone: 413-525-2332

CHAIN OF CUSTODY RECORD

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EAST LONGMEADOW, MA 01028

39 SPRUCE ST, 2ND FLOOR

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Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD

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

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е	B = Sodium bisulfate	SL = sludge				☐ *72-Hr ☐ *4-Day	Date/Time:		Received by: (signature)
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# of containers			lagryy	The same of the sa	· **		www.contestlabs.com	1 the mother	

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

AIHA, NELAC & WBE/DBE Certified

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Do all samples have the proper pH: Yes No



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 D.	ATE: 2/20/09			
1) Was the chain(s) of custody relinquished and sig2) 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 Were the samples received in Temperature Complia Temperature °S by Temp blank 5) Are there Dissolved samples for the lab to filter? Who was notified Date	Temperature °C by Temp gun Yes NoTime				
6) Are there any samples "On Hold"?		tored where:			
7) Are there any RUSH or SHORT HOLDING TIME sa Who was notified Date					
8) Location where samples are stored: [18 D]	Permission to subcontraction (Walk-in clients only) if Client Signature:	·			
Containers s	ent in to Con-Test				
# of containers		# of containers			
1 Liter Amber	8 oz clear jar				
500 mL Amber	4 oz clear jar	36			
250 mL Amber (8oz amber)	2 oz clear jar				
1 Liter Plastic	Other glass jar Plastic Bag / Ziploc				
500 mL Plastic	Air Cassette				
250 mL plastic 40 mL Vial - type listed below	Brass Sleeves	7-1-1-1 \$ 244-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
Colisure / bacteria bottle	Tubes				
Dissolved Oxygen bottle	Summa Cans				
Flashpoint bottle	Regulators				
Encore	Other				
Laboratory Comments:					
40 mL vials: # HCI # Methanol # Bisulfate # DI Water # Thiosulfate Unpreserve Do all samples have the proper pH: Yes No N/	d	1:			