

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-23429 JOB NUMBER: 115058

PROJECT LOCATION: NEW BEDFORD-WALSH

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
POST-3S(30-36)	09B05059	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3S(30-36)	09B05059	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3S(30-36)	09B05059	SOIL	Not Specified	solids (percent)	
POST-3S(36-42)	09B05060	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3S(36-42)	09B05060	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3S(36-42)	09B05060	SOIL	Not Specified	solids (percent)	
POST-3S(42-48)	09B05061	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3S(42-48)	09B05061	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3S(42-48)	09B05061	SOIL	Not Specified	solids (percent)	
POST-3S(48-54)	09B05062	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3S(48-54)	09B05062	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3S(48-54)	09B05062	SOIL	Not Specified	solids (percent)	
POST-3S(54-60)QC	09B05063	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3S(54-60)QC	09B05063	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3S(54-60)QC	09B05063	SOIL	Not Specified	solids (percent)	
POST-3T(12-18)	09B05065	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3T(12-18)	09B05065	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3T(12-18)	09B05065	SOIL	Not Specified	solids (percent)	
POST-3T(18-24)	09B05066	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3T(18-24)	09B05066	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3T(18-24)	09B05066	SOIL	Not Specified	solids (percent)	
POST-3T(24-30)	09B05067	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3T(24-30)	09B05067	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3T(24-30)	09B05067	SOIL	Not Specified	solids (percent)	
POST-3T(30-36)	09B05068	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3T(30-36)	09B05068	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3T(30-36)	09B05068	SOIL	Not Specified	solids (percent)	
POST-3T(36-42)	09B05069	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3T(36-42)	09B05069	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3T(36-42)	09B05069	SOIL	Not Specified	solids (percent)	
POST-3T(42-48)	09B05070	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3T(42-48)	09B05070	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3T(42-48)	09B05070	SOIL	Not Specified	solids (percent)	
POST-3T(48-54)QC	09B05071	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3T(48-54)QC	09B05071	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3T(48-54)QC	09B05071	SOIL	Not Specified	solids (percent)	
POST-3T(54-60)	09B05072	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3T(54-60)	09B05072	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3T(54-60)	09B05072	SOIL	Not Specified	solids (percent)	



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CONTRACT NUMBER: PURCHASE ORDER NUMBER:

PROJECT NUMBER:

### **ANALYTICAL SUMMARY**

				LIMS BAT #: L	.IMT-23429
				JOB NUMBER: 1	15058
POST-3T(6-12)	09B05064	SOIL	Not Specified	as (mg/kg)dw icp	
POST-3T(6-12)	09B05064	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-3T(6-12)	09B05064	SOIL	Not Specified	solids (percent)	
POST-4Z(54-60)	09B05073	SOIL	Not Specified	as (mg/kg)dw icp	
POST-4Z(54-60)	09B05073	SOIL	Not Specified	pb (mg/kg)dw icp	
POST-4Z(54-60)	09B05073	SOIL	Not Specified	solids (percent)	



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3/2/2009

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CONTRACT NUMBER: PURCHASE ORDER NUMBER:

PROJECT NUMBER:

### ANALYTICAL SUMMARY

LIMS BAT #:

LIMT-23429

JOB NUMBER: 115058

Comments:

LIMS BATCH NO.: LIMT-23429

CASE NARRATIVE SUMMARY

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

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

In method 6010, for sample 09B05063, the duplicate rpd is out of control limits for Pb. Outlier can be attributed to sample non homogeneity or a "hot spot" encountered during sample prep. Reduced precision expected for this element. For samples 09B05063 and 09b05071, the ms and msd recoveries are outside control limits for Pb. Analysis is in control based on laboratory fortified blank recovery. For sample 09B05071, the ms recovery is >30%; no corrective action is necessary. Possility of sample matrix effects that may lead to a low bias for reported result cannot be eliminated. For sample 09B05063, possibility of sample matrix effects that may lead to a high bias for reported result cannot be eliminated.

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

### DETAILED CASE NARRATIVE

### METHOD SW846-6010 - ADDITIONAL DETAILS

Only As and Pb were requested and reported. A sample duplicate, ms and msd were performed on samples 09B05063 and 09B05071.

For sample 09B05071, the ms recovery is outside control limits for As, but the msd was within limits. Outlier can be viewed as a one-time anomaly. Analysis is in control based on laboratory fortified blank recovery.

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.

Tod Kopyscinski

Michael Erickson

Air Laboratory Manager

Assistant Laboratory Director



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PROJECT NUMBER:

### **ANALYTICAL SUMMARY**

LIMS BAT #: LIMT-23429

JOB NUMBER: 115058

Edward Denson Technical Director Daren Damboragian

rector Organics Department Supervisor

<sup>\*</sup> See end of data tabulation for notes and comments pertaining to this sample



DAVID SULLIVAN

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

Project Location: NEW BEDFORD-WALSH LIMS-BAT #: LIMT-23429

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

Field Sample #: POST-3S(30-36)

**Sample ID: 09B05059** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Arsenic mg/kg dry wt 9.22 02/27/09 KSH 2.94

Field Sample #: POST-3S(36-42)

Not Specified

Sample Matrix: SOIL

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

Arsenic mg/kg dry wt 3.20 02/27/09 KSH 2.93

Field Sample #: POST-3S(42-48)

**Sample ID: 09B05061** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

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

Arsenic mg/kg dry wt 3.49 02/27/09 KSH 2.90

Field Sample #: POST-3S(48-54)

Not Specified

Sample Matrix: SOIL

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

Arsenic mg/kg dry wt 3.10 02/27/09 KSH 2.97

Field Sample #: POST-3S(54-60)QC

Not Specified

Sample Matrix: SOIL

Units Results Date RL SPEC Limit P/F Analyst Analyzed Lo Hi Arsenic 4.21 02/27/09 **KSH** 3.53 mg/kg dry wt

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



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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 LIMS-BAT #: LIMT-23429

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

Field Sample #: POST-3T(12-18)

**Sample ID: 09B05065** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Arsenic mg/kg dry wt 6.11 02/27/09 KSH 3.00

Field Sample #: POST-3T(18-24)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Arsenic mg/kg dry wt ND 02/27/09 KSH 2.73

Field Sample #: POST-3T(24-30)

**Sample ID: 09B05067** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

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

Arsenic mg/kg dry wt ND 02/27/09 KSH 2.81

Field Sample #: POST-3T(30-36)

**Sample ID: 09B05068** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

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

Arsenic mg/kg dry wt 4.09 02/27/09 KSH 2.82

Field Sample #: POST-3T(36-42)

**Sample ID: 09B05069** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

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

Arsenic mg/kg dry wt ND 02/27/09 KSH 2.72

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DAVID SULLIVAN

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

LOWELL, MA 01852 Purchase Order No.:

Project Location: **NEW BEDFORD-WALSH** LIMS-BAT #: LIMT-23429

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

Field Sample #: POST-3T(42-48)

09B05070 **\$Sampled: 2/20/2009** Sample ID:

Not Specified

Sample Matrix: SOIL

Units SPEC Limit P/F Results Date Analyst RL

Analyzed Lo Hi

Arsenic mg/kg dry wt 3.87 02/27/09 **KSH** 2.88

Field Sample #: POST-3T(48-54)QC

Sample ID: 09B05071 ‡Sampled: 2/20/2009

Not Specified

SOIL Sample Matrix:

Units Results Date Analyst RL SPEC Limit P/F

Analyzed Lo Hi

02/27/09 2.88 Arsenic mg/kg dry wt 3.13 **KSH** 

POST-3T(54-60) Field Sample #:

Sample ID: 09B05072 **\$Sampled: 2/20/2009** 

Not Specified

Sample Matrix: SOIL

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

02/27/09 Arsenic mg/kg dry wt 3.74 **KSH** 3.16

Field Sample #: POST-3T(6-12)

Sample ID: **\$Sampled: 2/20/2009** 09B05064

Not Specified

Sample Matrix: SOIL

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

Arsenic mg/kg dry wt 21.8 02/27/09 KSH 2.97

Field Sample #: POST-4Z(54-60)

**\$Sampled: 2/20/2009** Sample ID: 09B05073

Not Specified

SOIL Sample Matrix:

Units Results Date RL SPEC Limit P/F Analyst Analyzed Lo Hi 2.96

Arsenic 3.32 02/27/09 **KSH** mg/kg dry wt

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DAVID SULLIVAN

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

LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH

Date Received: 2/20/2009

LIMS-BAT #: LIMT-23429

Job Number: 115058

Analytical Method: SW846 3050/6010

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

RL = Reporting Limit

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<sup>\* =</sup> See end of report for comments and notes applying to this sample



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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 LIMS-BAT #: LIMT-23429

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

Field Sample #: POST-3S(30-36)

**Sample ID: 09B05059** ‡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 123 02/27/09 KSH 0.88

Field Sample #: POST-3S(36-42)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Lead mg/kg dry wt 16.7 02/27/09 KSH 0.88

Field Sample #: POST-3S(42-48)

**Sample ID: 09B05061** ‡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 22.8 02/27/09 KSH 0.87

Field Sample #: POST-3S(48-54)

Not Specified

Sample Matrix: SOIL

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

Lead mg/kg dry wt 19.3 02/27/09 KSH 0.89

Field Sample #: POST-3S(54-60)QC

**Sample ID: 09B05063** ‡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 75.1 02/27/09 KSH 1.06

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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 LIMS-BAT #: LIMT-23429

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

Field Sample #: POST-3T(12-18)

**Sample ID: 09B05065** ‡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 35.8 02/27/09 KSH 0.90

Field Sample #: POST-3T(18-24)

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Lead mg/kg dry wt 26.0 02/27/09 KSH 0.82

Field Sample #: POST-3T(24-30)

Not Specified

Sample Matrix: SOIL

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

Lead mg/kg dry wt 1060 02/27/09 KSH 0.85

Field Sample #: POST-3T(30-36)

Not Specified

Sample Matrix: SOIL

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

Lead mg/kg dry wt 540 02/27/09 KSH 0.85

Field Sample #: POST-3T(36-42)

**Sample ID: 09B05069** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date RL SPEC Limit P/F Analyst Analyzed Lo Hi Lead 31.7 02/27/09 **KSH** 0.82 mg/kg dry wt

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ND = Not Detected at or above the Reporting Limit determine PASS (P) or FAIL (F) condition of results.

NM = Not Measured

<sup>\* =</sup> See end of report for comments and notes applying to this sample

<sup>‡ =</sup> See attached chain-of-custody record for time sampled



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TRC SOLUTIONS - LOWELL 3/2/2009 650 SUFFOLK STREET Page 7 of 13

LOWELL, MA 01852 Purchase Order No.:

Project Location: **NEW BEDFORD-WALSH** LIMS-BAT #: LIMT-23429

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

Field Sample #: POST-3T(42-48)

09B05070 **\$Sampled: 2/20/2009** Sample ID:

Not Specified

Sample Matrix: SOIL

Units SPEC Limit P/F Results Date Analyst RL

Analyzed Lo Hi

Lead mg/kg dry wt 48.0 02/27/09 **KSH** 0.87

Field Sample #: POST-3T(48-54)QC

Sample ID: 09B05071 ‡Sampled: 2/20/2009

Not Specified

SOIL Sample Matrix:

Units Results Date Analyst RL SPEC Limit P/F

Analyzed Lo Hi

Lead mg/kg dry wt 22.7 02/27/09 **KSH** 0.87

POST-3T(54-60) Field Sample #:

Sample ID: 09B05072 **\$Sampled: 2/20/2009** 

Not Specified

Sample Matrix: SOIL

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

02/27/09 Lead mg/kg dry wt 155 **KSH** 0.95

Field Sample #: POST-3T(6-12)

Sample ID: **\$Sampled: 2/20/2009** 09B05064

Not Specified

Sample Matrix: SOIL

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

Lead mg/kg dry wt 32.6 02/27/09 KSH 0.90

Field Sample #: POST-4Z(54-60)

**\$Sampled: 2/20/2009** Sample ID: 09B05073

Not Specified

SOIL Sample Matrix:

NM = Not Measured

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

Lead 99.9 02/27/09 **KSH** 0.89 mg/kg dry wt

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

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DAVID SULLIVAN

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

Purchase Order No.: LOWELL, MA 01852

Project Location: NEW BEDFORD-WALSH LIMS-BAT #: LIMT-23429 2/20/2009 Date Received: Job Number: 115058

Analytical Method: SW846 3050/6010

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

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.

<sup>\* =</sup> See end of report for comments and notes applying to this sample



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TRC SOLUTIONS - LOWELL 3/2/2009
650 SUFFOLK STREET Page 9 of 13

LOWELL, MA 01852 Purchase Order No.:

Project Location: NEW BEDFORD-WALSH LIMS-BAT #: LIMT-23429

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

Field Sample #: POST-3S(30-36)

**Sample ID: 09B05059** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Solids, total % 85.3 02/26/09 FD

Field Sample #: POST-3S(36-42)

Not Specified

Sample Matrix: SOIL

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

Solids, total % 85.5 02/26/09 FD

Field Sample #: POST-3S(42-48)

**Sample ID: 09B05061** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

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

Solids, total % 86.5 02/26/09 FD

Field Sample #: POST-3S(48-54)

**Sample ID: 09B05062** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

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

Solids, total % 84.4 02/26/09 FD

Field Sample #: POST-3S(54-60)QC

**Sample ID: 09B05063** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

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

Solids, total % 70.9 02/26/09 FD

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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 LIMS-BAT #: LIMT-23429

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

Field Sample #: POST-3T(12-18)

**Sample ID: 09B05065** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

Units Results Date Analyst RL SPEC Limit P/ F

Analyzed Lo Hi

Solids, total % 83.4 02/26/09 FD

Field Sample #: POST-3T(18-24)

Not Specified

Sample Matrix: SOIL

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

Solids, total % 91.9 02/26/09 FD

Field Sample #: POST-3T(24-30)

**Sample ID: 09B05067** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

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

Solids, total % 89.2 02/26/09 FD

Field Sample #: POST-3T(30-36)

**Sample ID: 09B05068** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

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

Solids, total % 88.7 02/26/09 FD

Field Sample #: POST-3T(36-42)

**Sample ID: 09B05069** ‡Sampled: 2/20/2009

Not Specified

Sample Matrix: SOIL

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

 Analyzed
 Lo
 Hi

Solids, total

70 02.00 02.20.00 1.2

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

LOWELL, MA 01852 Purchase Order No.:

Project Location: **NEW BEDFORD-WALSH** LIMS-BAT #: LIMT-23429

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

Field Sample #: POST-3T(42-48)

09B05070 **\$Sampled: 2/20/2009** Sample ID:

Not Specified

Sample Matrix: SOIL

Units SPEC Limit P/F Results Date Analyst RL

Analyzed Lo Ηi

Solids, total 87.0 02/26/09 FD

Field Sample #: POST-3T(48-54)QC

Sample ID: 09B05071 ‡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 87.1

POST-3T(54-60) Field Sample #:

Sample ID: 09B05072 **\$Sampled: 2/20/2009** 

Not Specified

Sample Matrix: SOIL

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

% 79.3 02/26/09 Solids, total FD

Field Sample #: POST-3T(6-12)

Sample ID: **\$Sampled: 2/20/2009** 09B05064

Not Specified

Sample Matrix: SOIL

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

% Solids, total 84.2 02/26/09 FD

Field Sample #: POST-4Z(54-60)

**\$Sampled: 2/20/2009** Sample ID: 09B05073

Not Specified

SOIL Sample Matrix:

Units Results Date RL SPEC Limit P/F Analyst Analyzed Lo Ηi Solids, total % 84.5 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

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



39 Spruce Street  $^\circ$  East Longmeadow, MA  $\,$  01028  $^\circ$  FAX 413/525-6405  $^\circ$  TEL. 413/525-2332  $\,$ 

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

Date Received: 2/20/2009

LIMS-BAT #: LIMT-23429

Job Number: 115058

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

<sup>\* =</sup> See end of report for comments and notes applying to this sample

<sup>‡ =</sup> See attached chain-of-custody record for time sampled



2/20/2009

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

DAVID SULLIVAN

Date Received:

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

LOWELL, MA 01852 Purchase Order No.:

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

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.

<sup>\* =</sup> See end of report for comments and notes applying to this sample



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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:	3/2/2009	Lims Bat #: LIMT-23429		Page 1 of	3
QC Batch Number	r: ICP-21256				
Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B05063					
	Arsenic	Sample Amount	4.20	mg/kg dry wt	
		Duplicate Value	5.57	mg/kg dry wt	
		Duplicate RPD	27.94	%	0-35
		Sample Amount	4.20	mg/kg dry wt	
		Matrix Spk Amt Added	35.26	mg/kg dry wt	
		MS Amt Measured	37.00	mg/kg dry wt	
		Matrix Spike % Rec.	93.03	%	75-125
		MSD Amount Added	35.26	mg/kg dry wt	
		MSD Amt Measured	37.39	mg/kg dry wt	
		MSD % Recovery	94.11	%	75-125
		MSD Range	1.08	units	
		MS Duplicate RPD	1.02	%	0-35
	Lead	Sample Amount	75.11	mg/kg dry wt	
		Duplicate Value	150.07	mg/kg dry wt	
		Duplicate RPD	66.57	%	0-35
		Sample Amount	75.11	mg/kg dry wt	
		Matrix Spk Amt Added	35.26	mg/kg dry wt	
		MS Amt Measured	130.07	mg/kg dry wt	
		Matrix Spike % Rec.	155.85	%	75-125
		MSD Amount Added	35.26	mg/kg dry wt	
		MSD Amt Measured	123.20	mg/kg dry wt	
		MSD % Recovery	136.37	%	75-125
		MSD Range	19.47	units	
		MS Duplicate RPD	5.42	%	0-35
9B05071	Arsenic	Sample Amount	3.13	mg/kg dry wt	
	Alsonio	Duplicate Value	3.62	mg/kg dry wt	
		Duplicate RPD	14.71	%	0-35
		Sample Amount	3.13	mg/kg dry wt	0 00
		Matrix Spk Amt Added	28.70	mg/kg dry wt	
		MS Amt Measured	22.38	mg/kg dry wt	
		Matrix Spike % Rec.	67.07	%	75-125
		MSD Amount Added	28.70	mg/kg dry wt	70 120
		MSD Amt Measured	29.56	mg/kg dry wt	
		MSD % Recovery	92.11	%	75-125
		MSD Range	25.03	units	
		MS Duplicate RPD	27.66	%	0-35
	Lead	Sample Amount	22.65	mg/kg dry wt	
		Duplicate Value	26.22	mg/kg dry wt	
		Duplicate RPD	14.62	%	0-35
		Sample Amount	22.65	mg/kg dry wt	<b>.</b>
		Matrix Spk Amt Added	28.70	mg/kg dry wt	
		MS Amt Measured	36.18	mg/kg dry wt	
		INIO AITIL INICASUICU	JU. 10	mg/kg ury wt	



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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:	3/2/2009	Lims Bat #: LIMT-23429		Page 2 of	3
QC Batch Number	r: ICP-21256				
Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B05071					
	Lead	Matrix Spike % Rec.	47.15	%	75-125
		MSD Amount Added	28.70	mg/kg dry wt	
		MSD Amt Measured	43.93	mg/kg dry wt	
		MSD % Recovery	74.15	%	75-125
		MSD Range	27.00	units	
		MS Duplicate RPD	19.34	%	0-35
BLANK-130110					
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
FBLANK-92256					
	Arsenic	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	113.16	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.00	%	80-120
		Dup Lab Fort Bl Amt.	123.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	125.45	mg/kg dry wt	
		Dup Lab Fort BI %Rec	101.99	%	80-120
		Lab Fort Blank Range	9.99	units	
		Lab Fort Bl. Av. Rec	96.99	%	
		LFB Duplicate RPD	10.30	%	0-30
	Lead	Lab Fort Blank Amt.	136.00	mg/kg dry wt	
		Lab Fort Blk. Found	112.82	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.95	%	82-118
		Dup Lab Fort BI Amt.	136.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	126.28	mg/kg dry wt	
		Dup Lab Fort BI %Rec	92.85	%	82-118
		Lab Fort Blank Range	9.89	units	
		Lab Fort Bl. Av. Rec	87.90	%	
		LFB Duplicate RPD	11.25	%	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-23429 Page 3 of 3

### 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 of analyte found in a sample.

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

analysis.

LFBLANK Laboratory Fortified Blank (a control sample)

STDADD Standard Added (a laboratory control sample)

Matrix Spk Amt Added Amount of analyte spiked into a sample

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

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

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

Duplicate RPD The Relative Percent Difference between two Duplicate Analyses.

Surrogate Recovery The % Recovery for non-environmental compounds (surrogates)

spiked into samples to determine the performance of the

analytical methods.

Sur. Recovery (ELCD) Surrogate Recovery on the Electrolytic Conductivity Detector.

Sur. Recovery (PID) Surrogate Recovery on the Photoionization Detector.

Standard Measured Amount measured for a laboratory control sample Standard Amt Added Known value for a laboratory control sample

Standard % Recovery % recovered for a laboratory control sample with a known value.

Lab Fort Blank Amt
Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found
Laboratory Fortified Blank Amount Found
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

	N	IADEP MCP AN	IALYTICAL METHOD F	REPORT CERTII	FICATION FO	ORM					
Labo	oratory Name: <b>CC</b>	ON-TEST Analyti	ical Laboratory		Project #:	1 1 K	76486-70				
Project Location: NEW BENEROLD WAND MADEP RTN':  This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  ORBOSOR - ORBOSORS  Sample Matrices:   Groundwater   Soil/Sediment   Drinking Water   Other:    MCP SW-846   8260B()   8151A()   8330()   6010B   7470A/1A()    Methods Used   8270C()   8081A()   VPH()   6020()   9014M   2()    As specified in MADEP   8082()   8021B()   EPH()   7000 S3 ()   7196A()    Compendium of Analytical Methods.   1 List Release Tracking Number (RTN), if known   2 M - SW-946 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    Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?  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?  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"?  D WPH and EPH Methods only. Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)  A response to questions E and F below is required for "Presumptive Certainty" status  E Were all analytical QC performance standards and recommendations for the specified methods achieved?  F Were results for all analyte-list compounds/elements for the specified method years of these responses must be addressed in an attached Environmental Laboratory case narrative. I, the undersigned, attest under the pains and penalties of											
	•		<del>-</del>	list Laboratory	Sample ID	Num	ber(s)]				
O	1805059 -	0980507	3								
Sam	ple Matrices:	Groundwater 🕅	. Soil/Sediment 🛭 D	rinking Water	□ Other:						
МС	P SW-846	8260B ( )	8151A ( )	8330 ( )	6010B	(X)	7470A/1A ( )				
Sample Matrices: Groundwater Soil/Sediment Drinking Water Other:    MCP SW-846   8260B()   8151A()   8330()   6010B () 7470A/1A()											
This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]    Composition											
Project Location: NECW PERFORM NADEP RTN¹:  This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  ORBODOM ORBODOM ORBODOM NADEP RTN¹:  This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  ORBODOM OR											
Analytical Methods. (check all that apply)  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  Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?  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?  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"?  Puppl and EPH Methods only: Was the VPH or EPH Method conducted  Yes No 1											
Project Location: NEW BENEROLD WANNER  This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  ORBOSOS OR ORBOSOS ON ORO											
В	Project Location: NEW BEDFOED . WANDED RTN!  This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  OREGINATION OF BEDFOED . WANDED RTN!  This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  OREGINATION OF BEDFOED . WANDED RTN!  This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  OREGINATION OF BEDFOED . WANDED RTN!  This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  OREGINATION OF BEDFOED . WANDED RED RED RED RED RED RED RED RED RED										
С	Project Location: NEW BEFORD WANNER  This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  ORBOSOST ORBOSOTS  Sample Matrices: Groundwater Soli/Sediment Drinking Water Other:  MCP SW-846 Methods Used  8260B() 8151A() 8330() 6010B (										
Project Location: NEC   PEDFORD   WANDED   MADEP RTIN!											
As specified in MADEP Compendium of Analytical Methods. (check all that apply)  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 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method 3 S – SW-846 Methods 7000 Series List individual method and analyte.  An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status  A Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?  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?  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"?  D WPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)  A response to questions E and F below is required for "Presumptive Certainty" status  E Were all analytical QC performance standards and recommendations for the specified methods achieved?											
Sample Matrices: Groundwater Soil/Sediment Drinking Water Other:    MCP SW-846   8260B()   8151A()   8330()   6010B () 7470A/1A()											
Laboratory Name: CON-TEST Analytical Laboratory Project Location: NEC 8000000000000000000000000000000000000											
<sup>1</sup> A/	MCP SW-846 Methods Used  8270C() 8081A() VPH() 6020() 9014M²()  As specified in MADEP Compendium of Analytical Methods. (check all that apply)  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  Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?  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?  C 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"?  D VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)  A response to questions E and F below is required for "Presumptive Certainty" status  E Were all analytical QC performance standards and recommendations for the specified methods achieved?  F Were results for all analyte-list compounds/elements for the specified method(s) reported?										
inqui	ry of those re	sponsible for o	obtaining the info	rmation, the i	material c	ontai					
Sign	ature. \_\_\	Kapepanle	2	Position: Di	rector of O	perat	tions				
Prin	ted Name: Tod	Kopyscinski		Date:	2-09						

CAM VII A, rev. 3.2 April 2004

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

### CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR

EAST LONGMEADOW, MA 01028

	o = Other	O = other		*******	* Require lab approval	8,20	のひので	TORU TORU 1
ate	B = Sodium bisulfate	SL = sludge			☐ *72-Hr ☐ *4-Day		Date/Time:	Received by: (signature)
	S = Sulfuric Acid	S = soil/solid	ements or DL's:	Special Requirements	□ *24-Hr □ *48-Hr	18:30	8000	I Hall State of the
	N = Nitric Acid		•		RUSH *	5	Date/Time:	Relinquished by: (signature)
	M = Methanol	DW= drinking water	ment Project/RCP? 💆 Y 🗀 N	Data Enhancement Pr	Other 5	18.0%	ないの	Cold and the Cold was the said
T = Na thiosulfate	H = HCL	WW= wastewater			0 10-Day	<u>,</u>	Date/Time:	Received by: (signature)
X = Na hydroxide	l = lced X	ater	13	Regulations?	☐ 7-Day	18.00	Thulog	J. Br. M. J.C.
odes:	**Preservation Codes:	*Matrix Code:	Limit Requirements	Detection Limit	Turnaround **		Date/Time:	Relinquished by: (signature)
	1	C - Clean; U - Unknown	H - High; M - Medium; L - Low;		A THE CONTRACTOR AND A STATE OF THE STATE OF			TORREST TORRES
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				W 140002-2 (104-124) (42	13.50	(3)	+333	05061 POST-33 (42-48)
and the same of th			MO PRODUCES	SARIAGO.	22.50		among the state of	05060 POST-35 (36-42)
Comments:			×	×	2/2/25 1346	6	7340	05059 POST-35 (30-36)
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Email: info@contestlabs.com Fax: 413-525-6405 Phone: 413-525-2332

## CHAIN OF CUSTODY RECORD

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

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	O = Other	0 = other					oproval	* Require lab approval	2/2010% 18,40 +	10 C C C C C C C C C C C C C C C C C C C	
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	S = Sulfuric Acid	S = soil/solid		or DL's:	ements c	Special Requirements		□ *24-Hr □ *48-Hr	of 100 1000	Coll Holl March 450 of	
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T = Na thiosulfate	H=HCL T=	WW= wastewater			****		10-Day 💉	٠,	Aug.	Received by: (signature)	Receiv
X = Na hydroxide	I = Iced X =	GW= groundwater	N.	\$ (	( )	Regulations?			120187 16x	The Motor	
des:	**Preservation Codes:	*Matrix Code:		<u>Requirements</u>	Limit B	Detection		Turnaround **	Date/Time:	Relinquished by-(signature)	Relinqu
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Comments:				7	S	*	1424	Zlecjon 1	05067	* POST-3+(24-30)	Of the last
			À	Conc.	*Matrix	Grab	Composite	Date/Time Dates	Lab # 096 (	Sample Description	Field ID
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V≔ vial			<i> </i>	ځ.	5	tresolutions co	マイルションドラ	(h)		Sampled By:	Samp
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Geglass yas						(one):	RY (chec	DATA DELIVERY (check one):	3	David S. 11 Va	Attention:
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~Cont.Code			T)			\$ 8	20511	Project #	emperature.	ress: 650 Suffork	Address:
**Preservation					Zave	7000	78 970	Telephone:(978) 970 - 5000	***************************************	Company Name:	Comp
# of containers						) }			www.contestlabs.com		
				B	S S S	<u>}</u>		i.com	Email: info@contestlabs.com	ANALYTICAL LABORATORY E	

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

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## CHAIN OF CUSTODY RECORD

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

Page of S

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**Preservation					8058	## 15	Project #	<u>¥</u>	Alettus a	620	Address:
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## CHAIN OF CUSTODY RECORD

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

Page 2 of C

VCORRECT, TURNAROUND TIME WILL NOT STAR	TURNAROUND TIME STARTS AT 9:00 A M THE D	Received by: (signature)	hans of	have day	Received by (signature)	relifiquisned by: (signature)		post-30" O zo in Oscar		* POST - SO (36-42)	* POST-30 (30-36)	* POST-30 (24-30)	* POST-30 (18-24)	* PEST 30 (12-18)	* 805-30(6-2)	POST- 3N (SY-60)	ption	yes proposal date	Proposal Provided? (For Billing purposes)	sampled by: H. P.272	tion: Non	Attention: David Sallivery	Loveli MA	nucless 63 Suthik St.	)	Company Name:
VCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CITIENT ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS	AV ACTED CAMPI - Processing lab approval	15'12 0 *72-Hr 0 *4-Day		1805	Regulations?	Turnaround ** Detection	H - High; M - Medium; L - Low;	Please use the following codes to let Con-Test know be high in concentration in <b>Matrix/Conc</b> . Code Box:	W V 2002 W W W	1000	0555	055%	h550	0352	0550		Lab # Cate/Time Date/Time osite Grab Code Code	ate Sampled	OTHER	Email: Usullyan of toy inters	Fax #: JEMAIL DWEBSITE CLIENT	M	Client PO #	Project # 1/5058 C	lelephone:("//8) 7/0 - \$200	
THIS FORM IS NOT FILLED OUT COMPLETELY OR I	O = other O = Other	SL = Sludge B = Sodium hisuifate	A = air	WW= wastewater H = HCL T = Na thiosulfate  N DW= drinking water W = Methanol	GW= groundwater		ow; C - Clean; U - Unknown	use the following codes to let Con-Test know if a specific sample may in concentration in Matrix/Conc. Code Box:							Comments	Client		1≒lediai bag	S=summa can	VII.	P=plastic ST=spario	A≔amber glass G≕riass	ANALYSIS REQUESTEDCont. Code:	-Cont Code	**Preservation	

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

	CONTROL CONTRO
ANALYTICAL LABORATORY	

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CHAIN OF CUSTODY RECORD

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

Page 3 of 8

** TURNAROUND TIME STARTS AT 0.00 A M.	get / temps:	Received by: (signature)	Helinquished by: (signature)	W/Khledwester	Received by; (signature)	My Marine Comment	Relinguished by: (signature)	1-30 -> "O"	Laboratory Comments:	POST-3P/3/-42)	POST-3P (30-36)	POST-39(24-30)	PBST-3P(18-24)*	POST-3P (12-18)	POST-3P (6-12)	1257-40 (48-54)	" POST-30 (48-54)	ഗ	proposal date	Proposal Provided? (For Billing purposes)	sampled by. H. K. 22C.	tion:			Cowell will	Address: 650 Suffelle 5		Company Name: / //// C
TOWN AFTER A	200109 (8/26	1820	IN A	1606		nar		as in Oscar"			1038	1636	7501	7.50/	1030	Hill	2/20/09 1014	Lab # (Start ) Stop Date(Time)	ie s	State Form Required?	Email: Couling	Fax#:		DATA DELIVED	Client PO #	St. Project #		1
oval		Special Requirements or DL's:		5 Data Enhancement Project/RCP? NV CIN	Regulations? ///	Detection Limit R	-	be high in concentration in <b>Matrix/Conc</b> . Code Box:								and the first of the state of t	XXXX	me osite Grab Code   Code	The state of the s	IER GISKEY	in @ presinting - con		IL DWEBSITE CLIENT			6	lelephone:(7/2) 7/0-5 600	The state of the s
<b>0</b> = other <b>0</b> = Other	SL = sludge B = Sod	//solid S	A = air	WW= wastewater		*Matrix Code: **Prese	/; C - Clean; U - Unknown	Please use the following codes to let Con-Test know if a specific sample may be high in concentration in <b>Matrix/Conc</b> . Code Box:	Library Communication of the C	NAME OF THE PARTY			111111111111111111111111111111111111111				777.0											
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# CHAIN OF CUSTODY RECORD

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

	T   Ooding biggling						1*4-Day	☐ *72-Hr ☐ *4-Day		Date/Time:	1	
	S = Sulfuric Acid	S = soil/solid		or DL's:	irements (	Special Requirements or DL's:		□ "24-Hr □ "48-Hr	10000		a)	Received by: (signature)
3	N = Nitric Acid							RU		Cーグとの Cーグとの	Section of the sectio	
	nano)	<b>9</b>	N D N	ject/RCP?	ement Pro	Data Enhancement Project/RCP? XY DN	er J		C. 100.31		tural /	Relinguished by: (signal
Na thiosulfate	_	ww= wastewater					1	(0		Date/Time:	idu(e)	neceived by (signature)
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des.	**Preservation Codes	*Matrix Code:	ents	Requirements	awara.	Detection	urnaround **	• .		Date/Time:		Company (Signature
	)	C - Clean; U - Unknown	m; L - Low;	H - High; M - Medium; L - Low;	H - High						The state of the s	Belinguished by Joian
<b>V</b>	ı specific sample ma	Please use the following codes to let Con-Test know if a specific sample may be high in concentration in <b>Matrix/Conc.</b> Code Box:	wing codes t	in concentra	Please i be high							
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		Automotive de la constante de				With the same of t	1127				POST-30 (2450)	205
							1120		7,644.6		-30 (18-24)	POST-3Q
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					THE WHAT PLAN		2111				(21.9) 05/	POST-30
						Street with room (S.L.A.Weston)	7052				POST- 3P (54-60)	Post
		MSD	Š	etrain.	waro.kvi-mi*	Winney.	10 50				1021-36 (48-54)	1507
Comments:				×	8	×	10/2012	42×03				79
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<b>O</b> =Other					*Matrix   Conc	Comp-		Start				
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ST=sterile	************							Fax #:	34	-Wyalsh	X 10 10 10 10 10 10 10 10 10 10 10 10 10	Sampled Do
G≕glass P-plactio					CLIENT	DWEBSITE	MEMAIL C	□FAX		•	Miss Rod !	Droing+ opption
A=amber glass						leck one):	DATA DELIVERY (check one).	DATA DE			world Sullivan	Attention:
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# of containers				2	; >	1	2 25.0°		www.contestlabs.com	www.cont	785	Company Name:
				]					:			*

SING POLICE

\* Require lab approval

SL = sludge

B = Sodium bisulfate



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

** TIIRNARO	0	Received by: (signatura)	neiliquisiled	Polinariahad	Received by: (signature)	11/1/2	Relinquished			Laboratory Comments:									Field ID S	yes yes	rioposal r		Sampled By:	Project Location:	Attention:			Address	Company Name:
** THRUAROHNE STADTS AT S.O. A.M. T	1 + 187.0	(signature)	N/	18 William lean	(signature)	1 levy	Relinquished by: (signature)	The state of the s		omments:	POST-312 (30-36)	POST-3K(24-30)	PIST-3R (18-24)	POST-312 (12-15)	POST-3R (6-12)	Pest -36 (48-54)	POST -3Q (42-48)	-30	0	proposal date	Froposal Frovided: (For Billing purposes)		V H PATTO	Wen Beelford	Durd Sullying	Cowell ma	6 > 0 Suff1		vame:
01000	Date/Time:	De 20 7 1000	Date/Time:	2-20 0 1/05		2/269 /610	Date/Time:									The state of the s		AND THE REAL PROPERTY OF THE P	Lab#	¥ yes ⊔ no	State Form Required?			- hadsh	,		4/163+		
(0: Require lab approval	□ *72-Hr □ *4-Day	☐ *24-Hr ☐ *48-Hr	RUSH *	M Other S	10-Day	☐ 7-Day	Turnaround **				V 1228	7226	1274	1222	1220	1941	1128	21169 1124	Date/Time Date/Lime	e co	7	Format: KEXCEL	Email: d>ullipp	Fax #:	DATA DELIVERY (check one):	Client PO #	Project #	· · · · · · · · · · · · · · · · · · ·	Tolonhono: (A/X)
		Special Requirements		Data Enhancement Project/RCP? MY		Regulations?	Detection Limit	I	be h	Dio	< <						APPUNITS and Stage	Z X	osite Grab Code			CAPDF DGIS	+ 6 tresillations con	TWEBSITE CLIENT	heck one):		788		12 - 15C
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0 = other	SL = sludge	S = soil/solid		N DW= drinking water	WWW wastowater	GW= groundwater	<b></b> ,_		be high in concentration in <b>Matrix/Conc.</b> Code Box:	A STATE OF THE PROPERTY OF THE										· · · · · · · · · · · · · · · · · · ·						ANALYSIS REQUESTED			
o = Other	B = Sodium bisulfate	S = Sulfuric Acid	N = Nitric Acid	M = Mothanol	r lced	**Preservation Codes:	UMC		if a specific sample												····					DUESTED			
	lfate	~		= Na thiosulfate	X = Na nydroxide	Codes:		1	may									Cllent Comments:		<b>0</b> =Other	T=tedlar bag	<b>S</b> =Simma con	ST=sterile	P=plastic	A=amber glass	-Cont Code:	~Cont.Code	**Preservation	ar of conditions



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## CHAIN OF CUSTODY RECORD

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

	www.contestlabs.com	***************************************				
Company Name: TEC		Telephone:(978) 970 - 52 00				# of containers
Address: USD Suffalle	+5	Project # //5658	€)	The state of the s		~Cont Code
lower ma		Client PO #		ANALYSIS REQUESTED	ESTED	~Cont. Code:
Attention: Dave Suffrme		DATA DELIVERY (check one):			***************************************	A=amber glass
Project Location: New - Beyond	balsh	GFAX XEMAIL GWEBSITE CLIENT				G=glass P=plastic
Sampled By: H. Rifte.		Email: dsulliven @ tresolutions.com	***************************************			ST=sterile
		<b></b>	°Ь			v= vidi S=summa can
Proposal Provided? (For Billing purposes)	State Form Required?	O OTHER	F			Tetedlar had
broposal date	X yes □ no	Date Sampled	<i>i</i> -			
Field ID Sample Description	Lab #	Comp- *Matrix	Conc. Code			C-Culgi
POST-3R (36-42)	7.7777777777777777777777777777777777777	ν ×	X			Client
POST-3R(42-48)		1232	AND			Colline Res
POST-41 (48-54)		7224				
POST-3R (48-54)		1234				
POST- 35 (6-12)		1338				
POST-35 (12-14)		9451	A SAME PROPERTY OF THE			
posr-35(18-24)		2,421				
POST - 35 (24-30)		N N N 1271 A				TRANS
Laboratory Comments:		Please us be high in	the following codes concentration in <b>Mat</b>	use the following codes to let Con-Test know if a specific sample may in concentration in Matrix/Conc. Code Box:	specific sample ma	A.
Relinquished by: (signature)	Date/Time:	Detaction	H - High; M - Medium; L - Low;	C - Clean; U - Unknown		
2014	112/05 16W	The regulations? MLP Surface 2.	quirements	*Matrix Code: GW= groundwater	rvation (	ides:
Received by: (signature)	Date/Time:	n I I		WW= wastewater		T = Na thìosulfate
Heimquisped by: (signature)	Date/Time: スングのチーパンの	RUSH *	1	A = air	N = Nitric Acid	
Received by: (signature)		0 *72-Hr O *4-Day		SL = sludge	<b>B</b> = Sodium bisulfate	†
THIRDING THE CHARLES	21010 101 10 12	* Require lab approval		O = other	O - Othor	ĉ

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



### Sample Receipt Checklist

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

F: 413-525-6405

CLIENT NAME: 12C1	W	RECEIVED BY: KA DA	TE: 8/20107
1) Was the chain(s) of custod 2) Does the chain agree with If not, explain:	-	ned? (Yes) No	
3) Are all the samples in good If not, explain:	I condition? .	Yes No	
4) How were the samples rec	eived:	17	
On Ice Direct from	m Sampling 🏻	Ambient In Cooler(s)	
Were the samples received in	Temperature Complia	nce of (2-6°C)? (Yes) No	
Temperature °C by Temp blank		Temperature °C by Temp gun5	
5) Are there Dissolved sample	es for the lab to filter?	Yes (No)	
Who was notified	Date	Time	
6) Are there any samples "On 7) Are there any RUSH or SHO	Hold"? DRT HOLDING TIME sa	mples? (No Stor	red where:
Who was notified	Date	Time	
8) Location where samples ar	e stored: 19B	Permission to subcontract (Walk-in clients only) if no	· .
		Client Signature:	
Comments Andrews and Andrews Comments and Supplier School and Andrews Comments and	Containers se	ent in to Con-Test	
	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber	•	4 oz clear jar	66
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	
aboratory Comments:			
10 mL vials: # HCI	# Methanol		
	# DI Water		
	Unpreserved		