

June 17, 2009

David Sullivan
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: City Of New Bedford
Client Job Number:
Project Number: 115058
Laboratory Work Order Number: 09F0303

Enclosed are results of analyses for samples received by the laboratory on June 11, 2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa L. Ferrentino
Project Manager

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: David Sullivan

REPORT DATE: 6/17/2009

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 115058

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 09F0303

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: City Of New Bedford

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Post-3VV	09F0303-01	Soil		SM 2540G SW-846 6010B	
Post-3PP	09F0303-02	Soil		SM 2540G SW-846 6010B	
Post-3MM	09F0303-03	Soil		SM 2540G SW-846 6010B	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

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.

A handwritten signature in black ink that reads "Edward J. Denson". The signature is written in a cursive style with a clear, legible script.

Edward J. Denson
Technical Director

Project Location: City Of New Bedford

Sample Description:

Work Order: 09F0303

Date Received: 6/11/2009

Sampled: 5/27/2009 10:20

Field Sample #: Post-3VV

Sample ID: 09F0303-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	27	3.1	mg/Kg dry	1		SW-846 6010B	6/15/09	6/15/09 13:59	KSH

Project Location: City Of New Bedford

Sample Description:

Work Order: 09F0303

Date Received: 6/11/2009

Sampled: 5/27/2009 10:20

Field Sample #: Post-3VV

Sample ID: 09F0303-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81		% Wt	1		SM 2540G	6/16/09	6/17/09 8:23	NH

Project Location: City Of New Bedford

Sample Description:

Work Order: 09F0303

Date Received: 6/11/2009

Sampled: 5/27/2009 11:45

Field Sample #: Post-3PP

Sample ID: 09F0303-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	420	2.9	mg/Kg dry	1		SW-846 6010B	6/15/09	6/15/09 16:18	KSH

Project Location: City Of New Bedford

Sample Description:

Work Order: 09F0303

Date Received: 6/11/2009

Sampled: 5/27/2009 11:45

Field Sample #: Post-3PP

Sample ID: 09F0303-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86		% Wt	1		SM 2540G	6/16/09	6/17/09 8:23	NH

Project Location: City Of New Bedford

Sample Description:

Work Order: 09F0303

Date Received: 6/11/2009

Sampled: 5/27/2009 12:15

Field Sample #: Post-3MM

Sample ID: 09F0303-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	330	3.0	mg/Kg dry	1		SW-846 6010B	6/15/09	6/15/09 16:22	KSH



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

Project Location: City Of New Bedford

Sample Description:

Work Order: 09F0303

Date Received: 6/11/2009

Sampled: 5/27/2009 12:15

Field Sample #: Post-3MM

Sample ID: 09F0303-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83		% Wt	1		SM 2540G	6/16/09	6/17/09 8:23	NH

Sample Extracton Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
09F0303-01 [Post-3VV]	B001396	06/16/09
09F0303-02 [Post-3PP]	B001396	06/16/09
09F0303-03 [Post-3MM]	B001396	06/16/09

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09F0303-01 [Post-3VV]	B001349	0.9994	50	06/15/09
09F0303-02 [Post-3PP]	B001349	1.0017	50	06/15/09
09F0303-03 [Post-3MM]	B001349	0.9991	50	06/15/09

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B001349 - SW-846 3050B										
Blank (B001349-BLK1)				Prepared & Analyzed: 06/15/09						
Arsenic	ND	2.5	mg/Kg wet							
LCS (B001349-BS1)				Prepared & Analyzed: 06/15/09						
Arsenic	57.2	2.5	mg/Kg wet	61.5		93.0	83-117			
LCS Dup (B001349-BSD1)				Prepared & Analyzed: 06/15/09						
Arsenic	57.1	2.5	mg/Kg wet	61.5		92.8	83-117	0.201	30	
Duplicate (B001349-DUP1)				Source: 09F0303-01		Prepared & Analyzed: 06/15/09				
Arsenic	26.0	3.1	mg/Kg dry		27.3			4.64	35	
Matrix Spike (B001349-MS1)				Source: 09F0303-01		Prepared & Analyzed: 06/15/09				
Arsenic	57.2	3.1	mg/Kg dry	30.8	27.3	97.0	75-125			

QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B001396 - % Solids

Blank (B001396-BLK1)

Prepared: 06/16/09 Analyzed: 06/17/09

% Solids	0.0		% Wt							
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FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 6010B in Soil</i>	

Arsenic CT,NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2010
MA	Massachusetts DEP	M-MA100	06/30/2009
CT	Connecticut Department of Public Health	PH-0567	09/30/2009
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2009
NC	North Carolina Div. of Water Quality	652	12/31/2009
NJ	New Jersey DEP	MA007 NELAP	06/30/2009
FL	Florida Department of Health	E871027 NELAP	06/30/2009
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2009
WA	State of Washington Department of Ecology	C2065	03/23/2010



ANALYTICAL LABORATORY

Phone: 413-525-2932
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Company Name: TRL

Address: 100 Suffolk St

Lowell, MA 01854

Telephone: 978-970-5600

Project #: 115858

Client PO #

Attention: David Sullivan

Project Location: City of New Bedford (WF)

Sampled By: V. Kilduff + A. Weiss

DATA DELIVERY (check one):
[] FAX [X] EMAIL [] WEBSITE CLIENT

Fax #

Email: dsullivan@con-test.com
Format: [X] EXCEL [] PDF [] DIGIS KEY
[] OTHER

Proposal Provided? (For Billing purposes)

Yes [] No [X]

State Form Required?

Yes [X] No []

Date Sampled

Table with columns: Field ID, Sample Description, Lab #, Start Date/Time, Stop Date/Time, Comp. site, Grab, Matrix Code, Conc. Code

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LABORATORY COMMENTS: HOLD ALL ANALYTES FOR POSSIBLE TCLP
TURNAROUND TIME STARTS AT 9:00 AM. 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.
Matrix Code:
Preservation Codes:
Client Comments:

tferrentino@contestlabs.com

From: "Saunders, Jeffry (Lowell,MA-US)" <JSaunders@TRCSOLUTIONS.com>
To: <tferrentino@contestlabs.com>
Cc: <mkelley@contestlabs.com>
Sent: Thursday, June 11, 2009 11:37 AM
Attach: TRC Chain (Post-3)_A.pdf
Subject: RE: More Hold Authorizations

Theresa,

Sorry, apparently some of the files I've sent along are still too large. I'm still getting delivery errors. I've attached a black and white scan of the chain-of-custody associated with the samples noted below. The three samples have a star next to them on the chains. I don't think it should be a problem sending this one along.

If it looks like you didn't receive any of the information associated with the string of emails I sent earlier please let me know as we are trying to rush all these holds along. Thanks.

-Jeff

From: Saunders, Jeffry (Lowell,MA-US)
Sent: Thursday, June 11, 2009 11:28 AM
To: Theresa Ferrentino (tferrentino@contestlabs.com)
Cc: Meghan Kelley (mkelley@contestlabs.com); Sullivan, Dave (Lowell,MA-US); Silverman, Diane (Lowell,MA-US); 'Silverman, Diane'
Subject: More Hold Authorizations

550 586

Theresa,

Please run the total Arsenic analysis for the following samples, currently on hold, with a rush 48 – 72-hour turnaround time:

- Post-3MM ✓
- Post-3PP ✓
- Post-3VV ✓

I have attached the chain-of-custody forms associated with these samples for reference. Thanks.

-Jeff

Jeffry B. Saunders
Project Geologist



TRC Companies, Inc.
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(978) 453-1995 (fax)

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jsaunders@trcsolutions.com

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MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 09F0303
Project Location: City Of New Bedford	MADEP RTN1 ¹ :

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]
 09F0303-01 thru 09F0303-03

Sample Matrices: Soil

MCP SW-846 Methods Used	8260B ()	8151A ()	8330 ()	6010B (X)	7470A/1A ()
	8270C ()	8081A ()	VPH ()	6020 ()	9014M ² ()
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ()	8021B ()	EPH ()	7000 S ³ ()	7196A ()
1 List Release Tracking Number (RTN), if known 2 M -- SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method 3 S -- SW-846 Methods 7000 Series List individual method and analyte					

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

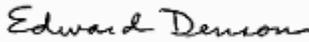
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
D	VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No ¹

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

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

¹All 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: 	Position: Technical Director
Printed Name: Edward J. Denson	Date: 06/17/09