

June 23, 2009

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

Project Location: City of New Bedford(NBHS)
Client Job Number:
Project Number: 115058
Laboratory Work Order Number: 09F0391

Enclosed are results of analyses for samples received by the laboratory on June 18, 2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa L. Ferrentino
Project Manager



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

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

REPORT DATE: 6/23/2009

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 115058

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 09F0391

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(NBHS)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Post-3QQ(1in)	09F0391-01	Soil		SM 2540G SW-846 6010B	
Post-3NN(1in)	09F0391-02	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, appearing to read "M. Erickson".

Michael A. Erickson
Assistant Laboratory Director

Project Location: City of New Bedford(NBHS)

Sample Description:

Work Order: 09F0391

Date Received: 6/18/2009

Field Sample #: Post-3QQ(1in)

Sampled: 5/27/2009 11:55

Sample ID: 09F0391-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	320	2.9	mg/Kg dry	1		SW-846 6010B	6/18/09	6/18/09 16:17	KSH



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Project Location: City of New Bedford(NBHS)

Sample Description:

Work Order: 09F0391

Date Received: 6/18/2009

Field Sample #: Post-3QQ(1in)

Sampled: 5/27/2009 11:55

Sample ID: 09F0391-01

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	87		% Wt	1		SM 2540G	6/18/09	6/19/09 8:19	NH

Project Location: City of New Bedford(NBHS)

Sample Description:

Work Order: 09F0391

Date Received: 6/18/2009

Field Sample #: Post-3NN(1in)

Sampled: 5/27/2009 12:20

Sample ID: 09F0391-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	320	3.1	mg/Kg dry	1		SW-846 6010B	6/18/09	6/18/09 16:21	KSH



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Project Location: City of New Bedford(NBHS)

Sample Description:

Work Order: 09F0391

Date Received: 6/18/2009

Field Sample #: Post-3NN(1in)

Sampled: 5/27/2009 12:20

Sample ID: 09F0391-02

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	80		% Wt	1		SM 2540G	6/18/09	6/19/09 8:19	NH

Sample Extracton Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
09F0391-01 [Post-3QQ(1in)]	B001507	06/18/09
09F0391-02 [Post-3NN(1in)]	B001507	06/18/09

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09F0391-01 [Post-3QQ(1in)]	B001498	1.0008	50	06/18/09
09F0391-02 [Post-3NN(1in)]	B001498	1.0012	50	06/18/09

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B001498 - SW-846 3050B										
Blank (B001498-BLK1)										
Prepared & Analyzed: 06/18/09										
Arsenic	ND	2.5	mg/Kg wet							
LCS (B001498-BS1)										
Prepared & Analyzed: 06/18/09										
Arsenic	120	5.0	mg/Kg wet	123		97.6	83-117			
LCS Dup (B001498-BSD1)										
Prepared & Analyzed: 06/18/09										
Arsenic	123	5.0	mg/Kg wet	123		99.8	83-117	2.54	30	

QUALITY CONTROL

Conventional Chemistry Parameters by EPA/PHA/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 B001507 - % Solids

Duplicate (B001507-DUP1)

Source: 09F0391-02

Prepared: 06/18/09 Analyzed: 06/19/09

% Solids	83.1		% Wt		79.5			4.43	20	
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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	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010



Phone: 413-525-2332
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 www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Company Name: TRC
 Address: 1550 SOUTH RKS
Lowell MA 01854
 Attention: David Sullivan

Project Location: City of New Bedford (NBHS)
 Sampled By: Kevin Menden + Allison Weiss

Proposal Provided? (For Billing purposes) yes no
 State Form Required? yes no

Telephone: (ATB) 970-57000
 Project # 115058
 Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: dsullivan@trc-solutions.com
 Format: EXCEL PDF GIS KEYMAP
 OTHER

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Corr- Coste	Grab	Matrix Code	Conc. Code	# of Containers	Preservation	Cont. Code
WFV-41	* Post-300 (1)	01	5/27/09 1150	1155		X	S	U	AS		
	Post-3BL(1)	14316 (K0)		1200							(Hold)
	WFV-42	14317 (K0)		1205							(Hold)
	WFV-43			1210							(Hold)
	Post-3MM(1)			1215							(Hold)
	* Post-3NW(1)	00		1220		X					(Hold)
	WFV-44			1225		X					(Hold)

Laboratory Comments: Hold all remaining for potential TLD

Requisitioned by (signature): [Signature] Date/Time: 5/27/09 1320

Received by (signature): [Signature] Date/Time: 5/27/09 1330

Relinquished by (signature): [Signature] Date/Time: 5/27/09 1720

Received by (signature): [Signature] Date/Time: 5/27/09 1720

Turnaround **
 7-Day
 10-Day
 Other _____
 RUSH *

Detection Limit Requirements
 Regulations? MCP S1152

Matrix Code: GW = groundwater
WW = wastewater
DW = drinking water
A = air
S = soil/solid
SL = sludge
O = other

**Preservation Codes:
I = lead
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other

Special Requirements or D.L.s: _____

Require lab approval

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.

AIHA, NELAP & WBE/DBE Certified

Sample Receipt Checklist

CLIENT NAME: TRP - Low RECEIVED BY: CEC DATE: 5/27/09

- 1) Was the chain(s) of custody relinquished and signed? Yes No
- 2) Does the chain agree with the samples? Yes No
If not, explain:
- 3) Are all the samples in good condition? Yes No
If not, explain:

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

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

Temperature °C by Temp blank 4.0°C Temperature °C by Temp gun _____

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

Who was notified _____ Date _____ Time _____

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

Stored where:

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	38
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____ Time and Date Frozen: _____
Thiosulfate _____ Unpreserved _____

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

tferrentino@contestlabs.com

From: "Saunders, Jeffry (Lowell,MA-US)" <JSaunders@TRCSOLUTIONS.com>
To: <tferrentino@contestlabs.com>
Cc: "Sullivan, Dave (Lowell,MA-US)" <DSullivan@trcsolutions.com>; "Silverman, Diane (Lowell,MA-US)" <DSilverman@trcsolutions.com>
Sent: Thursday, June 18, 2009 9:23 AM
Attach: TRC Chain-of-Custody (52709).pdf
Subject: Post-3 Hold Authorizations

Theresa,

Please analyze TRC samples "Post-3QQ (1)" and "Post-3NN (1)" for total arsenic on a rush 48 to 72-hour turnaround. I've attached a copy of the chain-of-custody for reference. Thanks.

-Jeff

Jeffry B. Saunders
Project Geologist



TRC Companies, Inc.
Wannalancit Mills
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(978) 453-1995 (fax)
jrsaunders@trcsolutions.com

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 09F0391
Project Location: City of New Bedford(NBHS)	MADEP RTN ¹ :

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]
 09F0391-01 thru 09F0391-02

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: Assistant Laboratory Director
Printed Name: Michael A. Erickson	Date: 06/22/09