

July 6, 2009

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

Project Location: City of New Bedford/Walsh
Client Job Number:
Project Number: 115058
Laboratory Work Order Number: 09G0028

Enclosed are results of analyses for samples received by the laboratory on July 1, 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: 7/6/2009

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 115058

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 09G0028

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/Walsh

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WFV-70	09G0028-01	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", is written in a cursive style.

Michael A. Erickson
Assistant Laboratory Director

Project Location: City of New Bedford/Walsh

Sample Description:

Work Order: 09G0028

Date Received: 7/1/2009

Field Sample #: WFV-70

Sampled: 7/1/2009 10:50

Sample ID: 09G0028-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	130	3.0	mg/Kg dry	1		SW-846 6010B	7/2/09	7/6/09 14:12	KSH

Project Location: City of New Bedford/Walsh

Sample Description:

Work Order: 09G0028

Date Received: 7/1/2009

Field Sample #: WFV-70

Sampled: 7/1/2009 10:50

Sample ID: 09G0028-01

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	83		% Wt	1		SM 2540G	7/2/09	7/6/09 8:22	NH

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
09G0028-01 [WFV-70]	B001924	07/02/09

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09G0028-01 [WFV-70]	B001936	1.002	50	07/02/09

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B001936 - SW-846 3050B										
Blank (B001936-BLK1)										
					Prepared: 07/02/09 Analyzed: 07/06/09					
Arsenic	ND	2.5	mg/Kg wet							
LCS (B001936-BS1)										
					Prepared: 07/02/09 Analyzed: 07/06/09					
Arsenic	131	5.0	mg/Kg wet	123	106	83-117				
LCS Dup (B001936-BSD1)										
					Prepared: 07/02/09 Analyzed: 07/06/09					
Arsenic	134	5.0	mg/Kg wet	123	109	83-117	2.12	30		
Duplicate (B001936-DUP1)										
					Source: 09G0028-01 Prepared: 07/02/09 Analyzed: 07/06/09					
Arsenic	132	3.0	mg/Kg dry		128			3.27	35	
Matrix Spike (B001936-MS1)										
					Source: 09G0028-01 Prepared: 07/02/09 Analyzed: 07/06/09					
Arsenic	161	3.0	mg/Kg dry	30.2	128	110	75-125			

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	06/30/2010
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	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010



ANALYTICAL LABORATORY

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

CHAIN OF CUSTODY RECORD

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

Page 1 of 1

Company Name: TRC

Telephone: 978 970-5600

Address: 650 Suffolk Street

Project # 115058

City of New Bedford/Walsh

Client PO #

Attention: David Sullivan

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Project Location: City of New Bedford/Walsh

Fax #:

Sampled By: K. Kitchen

Email: dsullivan@thesolutions.com
Format: EXCEL PDF GIS KEY

Proposal Provided? (For Billing purposes)
 yes no

State Form Required?
 Yes No

Field ID	Sample Description	Lab #	Date Sampled	Start Date/Time	Stop Date/Time	Comp. - osite Grab	Matrix Conc. Code Code	ANALYSIS REQUESTED		# of containers	Preservative	Cont Code
WFEV-70		01	7/1/09	1050		X	S	U				
WFEV-71		02	7/1/09	1100		X	S	U				
WFEV-72		03	7/1/09	1110		X	S	U				
							Total AS					

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by (signature) [Signature] Date/Time: 7/1/09

Received by (signature) [Signature] Date/Time: 7-1-9 1330

Relinquished by (signature) [Signature] Date/Time: 7-1-9 1900

Received by (signature) [Signature] Date/Time: 7/1/09 1400

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

Detection Limit Requirements
Regulations? MCR 5-15-2

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

Preservation Codes:
I = Iod
H = HCL
M = Methanol
S = Sulfuric Acid
B = Sodium bisulfate

X = Na hydroxide
T = Na thiosulfate

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

Sample Receipt Checklist

CLIENT NAME: TRC RECEIVED BY: CBC DATE: 7/1/09

- 1) Was the chain(s) of custody relinquished and signed? Yes No
- 2) 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 Ambient In Cooler(s)

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

Temperature °C by Temp blank 3.0° 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?
Who was notified _____ Date _____ Time _____

8) Location where samples are stored:

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		
500 mL Amber		4 oz clear jar		3
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

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 09G0028
Project Location: City of New Bedford/Walsh	MADEP RTN ¹ :

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]
 09G0028-01

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: 07/06/09