



RECEIVED
D.E.M. / 03/21/13

2013 MAR 25 P 1:21

100 Jefferson Boulevard
Suite 220
Warwick, RI 02888
401.732.7600
Fax 401.732.7670

March 21, 2013

Ms. Kelly Owens
Assoc. Super. Engineer
Office of Waste Management – Site Remediation
Rhode Island Department of Environmental Management (RIDEM)
235 Promenade Street
Providence, RI 02908

RE: Release Notification
509 Metacom Avenue, Bristol, RI
Providence Assessors Plat 108, Lot 7

Dear Ms. Owens:

On behalf of our client, Domenico Bucci and Irma Santilli, owner of the above-referenced location (hereinafter, "Site"), Alliance Environmental Group, Inc. (AEG) has completed the following Release Notification in accordance with Section 5 of the RIDEM *Remediation Regulations*, as amended November 2011. A United States Geological Survey (USGS) Locus map depicting the Site location has been attached.

During testing of the Site AEG identified a foreign soil pile which was placed there at an unknown time and from an unknown source. Testing of pile for Priority Pollutant 13 (PP13) metals, total petroleum hydrocarbon (TPH), poly-nuclear aromatic hydrocarbons (PAHs), and field screening for volatile organics using a photo-ionization detector (PID) showed arsenic to be the only detected analyte in excess of the RIDEM Direct Exposure Criteria (R-DEC). Subsequent testing of the pile for arsenic confirmed the consistency of its presence. Based upon the Site conditions, AEG is preparing to abate the soil via removal and disposal at a licensed facility using the "Dig and Haul" Policy.

Attached hereto, please find a completed and executed RIDEM Release Notification Form in addition to associated appendices.

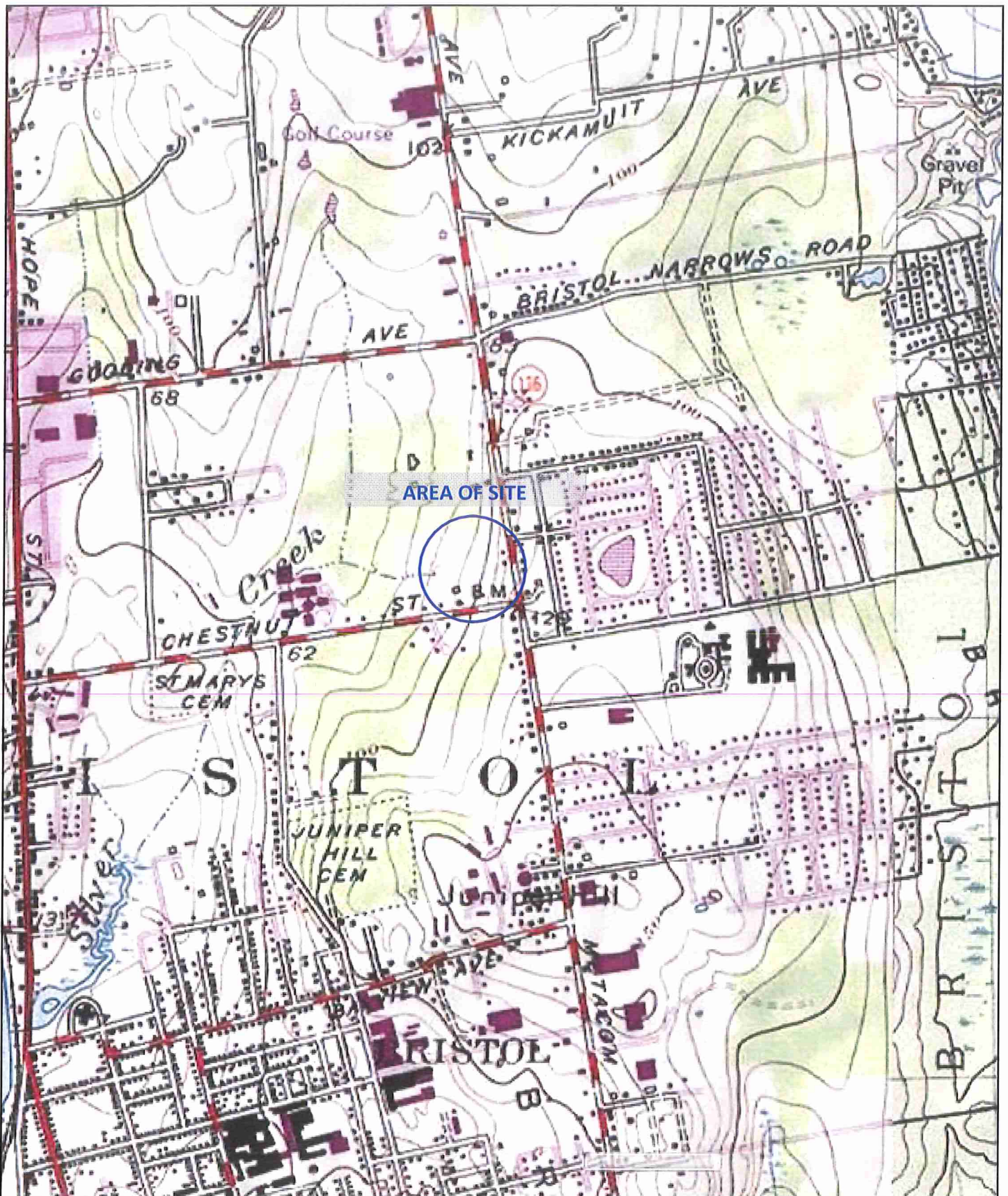
If you have any questions or concerns please contact the undersigned at 401-732-7600.

Very truly yours,
Alliance Environmental Group, Inc.

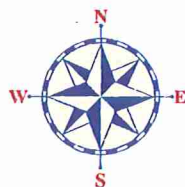
A handwritten signature in blue ink, reading "Jacob H. Sullivan", with a long horizontal flourish extending to the right.

Project Manager

Enc. USGS Locus Map
RIDEM Release Notification Package



Alliance Environmental Group, Inc.
 100 Jefferson Boulevard, Warwick, RI 02888
 Telephone: 401.732.7600; Fax: 401.732.7670



USGS LOCUS MAP
 509 METACOM AVENUE
 BRISTOL, RI
 AEG PROJECT # 2198

File: 2198.LOCUS.pub Drawn by: JHB

Appendix C

OFFICE OF WASTE MANAGEMENT –
SITE REMEDIATION SECTION
HAZARDOUS MATERIAL RELEASE NOTIFICATION FORM

RECEIVED
D.E.M. / O.M.M.

2013 MAR 25 P 1:21

THIS FORM IS NOT TO BE USED TO REPORT AN IMMINENT HAZARD

1. Notifier Information

Name: Domenico Bucci and Irma Santilli
Address: 34 Morningside Drive, West Warwick, RI 02893
Phone: 401-732-7600

Status: ☒ Owner ☒ Operator ☐ Secured Creditor ☐ Voluntary

2. Property Information

Name of Site: 509 Metacom Avenue
Site Address: 509 Metacom Avenue, Bristol, RI

Plat/Lot Numbers: 108/7

Approximate Site Acreage: 0.62

Latitude/Longitude: 41°41.318N, 71°15.766'W

Site Contact Person: Jacob H. Butterworth, Alliance Environmental Group, Inc.

Site Contact Phone: 401-732-7600

Site Land Usage Type: ☒ Residential ☐ Industrial/Commercial

Location of Release: Release identified to a soil pile located on the site. A figure depicting the approximate site boundaries and pile location is attached as Figure 1.
(attach site sketch as necessary)

3. Release Information

Date of Discovery: March 2013
Source: Unknown, appears to be associated with soils delivered to the site.
Release Media: Soil

Hazardous Materials and Concentrations: Arsenic within the pile at concentrations ranging between approximately 6 ppm to 11 ppm.
(attach certificates of analysis as necessary)

Extent of Contamination: Confined to pile.

Approximate acreage of Contaminated Site: 0.09

4. Resource Information

Site Land Usage: ___ Industrial/Commercial ☒ Residential

Adjacent Land Usage: ___ Industrial/Commercial ☒ Residential

Site Groundwater Class: ☒ GA/GAA ___ GB

Adjacent Groundwater Class: ☒ GA/GAA ___ GB
(if different than site groundwater classification within 500 feet)

Nearest Surface Water or Wetland:

___ Less Than 500 Feet ☒ Greater Than 500 Feet

Potential for adverse impact N Yes/No

5. Potentially Responsible Parties

Name: Domenico Bucci and Irma Santilli

Address: 4 Morningside Drive, West Warwick, RI 02818

Status: ☒ Owner ☒ Operator ___ Other:

Name: _____

Address: _____

Status: ___ Owner ___ Operator ___ Other:

6. Measures Taken or Proposed to be Taken in Response to Release

Soils to be removed per the RIDEM "Dig and Haul Policy" along with completion of the associated filings noted in the policy.

7. Other Significant Remarks About Release (Will a background determination be made?)

Preliminary background arsenic background study was performed and failed.

Signature: Domenico Bucci - Irma Santilli Date 3 /21/ 13

Title: Owner



Alliance Environmental Group, Inc.
100 Jefferson Boulevard, Warwick, RI 02888
Telephone: 401.732.7600; Fax: 401.732.7670



FIGURE 1: SITE PLAN
509 METACOM AVENUE
BRISTOL, RI
AEG PROJECT # 2167

File: 2198.SITEPLAN.pub Drawn by: JHB



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Z0214-04

Prepared for:

Attn: Jacob Butterworth
Alliance Environmental Group
100 Jefferson Blvd., Suite 220
Warwick, RI 02888

Report Date: February 20, 2013

Reviewed By:

Dawn Wojcik
Deputy Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on February 14, 2013. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is Z0214-04.

Custody records are included in this report.

Site: Bristol

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
AE-101 (0-6")	2/13/13	Soil	Table II
AE-102 (0-6")	2/13/13	Soil	Table II
AE-103 (0-6")	2/13/13	Soil	Table II
Soil Pile	2/13/13	Soil	Table III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010C
Lead	3050B	6010C

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PAHs	3550C	8270D
Total Petroleum Hydrocarbons	3550C	8100M
Total Metals		
Arsenic	3050B	6010C
Barium	3050B	6010C
Cadmium	3050B	6010C
Chromium	3050B	6010C
Lead	3050B	6010C
Mercury	NA	7471B
Selenium	3050B	6010C
Silver	3050B	6010C

This method is documented in:

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998, APHA, AWWA-WPCF.



New England Testing Laboratory, Inc.

CASE NARRATIVE:

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

Metals

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

PAHs

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Total Petroleum Hydrocarbons

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Due to matrix interference, the surrogate was reported outside of QC limits.

Sample: Soil Pile		Analyst's Initials: BJ
Case No. Z0214-04		
Date Collected:		
Sample Matrix: Soil		
Subject: TPH		
Prep Method: EPA 3550C	Date Extracted	Date Analyzed
Analytical Method: EPA 8100 M	2/19/13	2/19/13
Compound	Concentration, mg/kg* (ppm)	Reporting Limit
Total Petroleum Hydrocarbons	ND	28
Surrogates:		
Compound	% Recovery	Limits
Chlorooctadecane	15	62-151

ND = Not Detected

*Dry Weight Basis

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

METALS RESULTS



Case Number: Z0214-04
 Sample ID: AE-101 (0-6")
 Date collected: 2/13/13
 Matrix: Soil
 Solids, %: 79.74
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	5.32	0.53	mg/kg	2/19/13	2/19/13
Lead	7439-92-1	3050B	6010C	9.94	0.27	mg/kg	2/19/13	2/19/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0214-04
 Sample ID: AE-102 (0-6")
 Date collected: 2/13/13
 Matrix: Soil
 Solids, %: 80.06
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	6.11	0.38	mg/kg	2/19/13	2/19/13
Lead	7439-92-1	3050B	6010C	18.8	0.19	mg/kg	2/19/13	2/19/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0214-04
 Sample ID: AE-103 (0-6")
 Date collected: 2/13/13
 Matrix: Soil
 Solids, %: 81.9
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	6.34	0.46	mg/kg	2/19/13	2/19/13
Lead	7439-92-1	3050B	6010C	17.0	0.23	mg/kg	2/19/13	2/19/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0214-04
 Sample ID: Soil Pile
 Date collected: 2/13/13
 Matrix: Soil
 Solids, %: 68.96
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	7.69	0.56	mg/kg	2/19/13	2/19/13
Barium	7440-39-3	3050B	6010C	21.0	0.28	mg/kg	2/19/13	2/19/13
Cadmium	7440-43-9	3050B	6010C	ND	0.28	mg/kg	2/19/13	2/19/13
Chromium	7440-47-3	3050B	6010C	8.83	0.28	mg/kg	2/19/13	2/19/13
Lead	7439-92-1	3050B	6010C	28.0	0.28	mg/kg	2/19/13	2/19/13
Mercury	7439-97-6	NA	7471B	ND	0.108	mg/kg	2/20/13	2/20/13
Selenium	7782-49-2	3050B	6010C	ND	0.56	mg/kg	2/19/13	2/19/13
Silver	7440-22-4	3050B	6010C	ND	0.28	mg/kg	2/19/13	2/19/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Sample ID: Preparation Blank
 Matrix SOIL
 Solids, % 100
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	ND	0.67	mg/kg	2/19/13	2/19/13
Barium	7440-39-3	3050B	6010C	ND	0.33	mg/kg	2/19/13	2/19/13
Cadmium	7440-43-9	3050B	6010C	ND	0.33	mg/kg	2/19/13	2/19/13
Chromium	7440-47-3	3050B	6010C	ND	0.33	mg/kg	2/19/13	2/19/13
Lead	7439-92-1	3050B	6010C	ND	0.33	mg/kg	2/19/13	2/19/13
Mercury	7439-97-6	NA	7471B	ND	0.067	mg/kg	2/20/13	2/20/13
Selenium	7782-49-2	3050B	6010C	ND	0.67	mg/kg	2/19/13	2/19/13
Silver	7440-22-4	3050B	6010C	ND	0.33	mg/kg	2/19/13	2/19/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal		Date Analyzed
					LCL, %	UCL, %	
Arsenic	13.3	12.5	mg/kg	94	80	120	2/19/13
Barium	66.7	64.9	mg/kg	97	80	115	2/19/13
Cadmium	66.7	62.4	mg/kg	94	80	113	2/19/13
Chromium	66.7	67.4	mg/kg	101	80	115	2/19/13
Lead	66.7	66.4	mg/kg	100	80	114	2/19/13
Mercury	0.133	0.136	mg/kg	102	80	120	2/20/13
Selenium	13.3	11.7	mg/kg	88	80	120	2/19/13
Silver	33.3	32.5	mg/kg	98	80	120	2/19/13

RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Z0214-04 Client Name: Alliance Environmental Group
 Method: 8270 Lab Sample ID: Soil Pile
 Matrix: (soil/water/air) SOIL Lab File ID: B022006.D
 Sample wt/vol: 20.099 (g/ml) G Date Sampled: 2/13/2013
 Level: (low/med) LOW Date Extracted: 2/19/2013
 % Moisture: 31.04 Date Analyzed: 2/20/2013
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: JD

CAS NO.	COMPOUND	UNITS: <u>UG/KG</u>	Q
91-20-3	Naphthalene	140	U
91-57-6	2-Methylnaphthalene	140	U
208-96-8	Acenaphthylene	140	U
83-32-9	Acenaphthene	140	U
132-64-9	Dibenzofuran	140	U
86-73-7	Fluorene	140	U
85-01-8	Phenanthrene	140	U
120-12-7	Anthracene	140	U
206-44-0	Fluoranthene	140	U
129-00-0	Pyrene	140	U
56-55-3	Benzo(a)anthracene	140	U
218-01-9	Chrysene	140	U
205-99-2	Benzo(b)fluoranthene	140	U
207-08-9	Benzo(k)fluoranthene	140	U
50-32-8	Benzo(a)pyrene	140	U
193-39-5	Indeno(1,2,3-cd)pyrene	140	U
53-70-3	Dibenz(a,h)anthracene	140	U
191-24-2	Benzo(g,h,i)perylene	140	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Z0214-04 Client Name: Alliance Environmental Group
 Method: 8270 Lab Sample ID: BSS021913
 Matrix: (soil/water/air) SOIL Lab File ID: B022003.D
 Sample wt/vol: 20 (g/ml) G Date Sampled: 2/13/2013
 Level: (low/med) LOW Date Extracted: 2/19/2013
 % Moisture: 0 Date Analyzed: 2/20/2013
 Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0
 Injection Volume: 1.0 (uL)
 Analyst's Initials: JD

CAS NO. COMPOUND UNITS: UG/KG Q

91-20-3	Naphthalene	100	U
91-57-6	2-Methylnaphthalene	100	U
208-96-8	Acenaphthylene	100	U
83-32-9	Acenaphthene	100	U
132-64-9	Dibenzofuran	100	U
86-73-7	Fluorene	100	U
85-01-8	Phenanthrene	100	U
120-12-7	Anthracene	100	U
206-44-0	Fluoranthene	100	U
129-00-0	Pyrene	100	U
56-55-3	Benzo(a)anthracene	100	U
218-01-9	Chrysene	100	U
205-99-2	Benzo(b)fluoranthene	100	U
207-08-9	Benzo(k)fluoranthene	100	U
50-32-8	Benzo(a)pyrene	100	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	U
53-70-3	Dibenz(a,h)anthracene	100	U
191-24-2	Benzo(g,h,i)perylene	100	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Laboratory

Case No.: Z0214-04

Lab Code: RI010

Client Name: Alliance Environmental Group

Level: (low/med) LOW

	Sample ID	S1 #	S2 #	S3 #	TOT OUT
01	BSS021913	73	65	72	0
02	LSS021913	85	81	82	0
03	SOIL PILE	63	65	61	0

QC LIMITS

S1	=	Nitrobenzene-d5	(12-110)
S2	=	2-Fluorobiphenyl	(17-122)
S3	=	Terphenyl-d14	(10-139)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

New England Testing Laboratory, Inc.

Semivolatile Soil Laboratory Control Spike

Date Extracted: 2/19/2013

Date Analyzed: 2/20/2013

	Amount Spiked	Result,	Recovery	Lower Recovery	Upper Recovery
	ug/Kg	ug/Kg	%	Limit	Limit
Naphthalene	2500	1748	70	27	100
2-Methylnaphthalene	2500	1528	61	28	100
Acenaphthylene	2500	1669	67	35	109
Acenaphthene	2500	1725	69	32	108
Dibenzofuran	2500	1655	66	32	111
Fluorene	2500	1614	65	31	116
Phenanthrene	2500	1735	69	41	118
Anthracene	2500	1552	62	30	119
Fluoranthene	2500	1840	74	35	130
Pyrene	2500	1852	74	46	130
Benzo(a)anthracene	2500	1868	75	45	114
Chrysene	2500	1816	73	33	123
Benzo(b)fluoranthene	2500	1933	77	33	122
Benzo(k)fluoranthene	2500	1893	76	34	130
Benzo(a)pyrene	2500	1836	73	37	115
Indeno(1,2,3-cd)pyrene	2500	1900	76	27	143
Dibenz(a,h)anthracene	2500	1860	74	33	137
Benzo(g,h,i)perylene	2500	1795	72	16	152

Z0214-04

TESTS..

Total Ammonic Nitrogen
RCEA &
TPH
TAN

Special Instructions:
List Specific Detection
Limit Requirements:

RI Res. Soil
Detection limits

Turnaround (Business Days) 5-day

Client Requested Lead



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Z0306-10

Prepared for:

Attn: Jacob Butterworth
Alliance Environmental Group
100 Jefferson Blvd., Suite 220
Warwick, RI 02888

Report Date: March 12, 2013

Reviewed By:

Richard Warila
Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on March 6, 2013. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is Z0306-10.

Custody records are included in this report.

Project: 2167-02 - Metacom

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
SP-101	3/5/13	Soil	Table II
SP-102	3/5/13	Soil	Table II
SP-103	3/5/13	Soil	Table II
SP-104	3/5/13	Soil	Table II
SP-105	3/5/13	Soil	Table II
SP-106	3/5/13	Soil	Table II
SP-107	3/5/13	Soil	Table II
SP-108	3/5/13	Soil	Table II
SP-109	3/5/13	Soil	Table II
SP-110	3/5/13	Soil	Table II
SP-111	3/5/13	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010C

This method is documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

Metals

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

METALS RESULTS



Case Number: Z0306-10
 Sample ID: SP-101
 Date collected: 3/5/13
 Matrix: Soil
 Solids, %: 72.48
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	8.78	0.97	mg/kg	3/11/13	3/11/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0306-10
 Sample ID: SP-102
 Date collected: 3/5/13
 Matrix: Soil
 Solids, %: 76.27
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	8.79	0.88	mg/kg	3/11/13	3/11/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0306-10
 Sample ID: SP-103
 Date collected: 3/5/13
 Matrix: Soil
 Solids, %: 75.49
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	9.33	0.93	mg/kg	3/11/13	3/11/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0306-10
 Sample ID: SP-104
 Date collected: 3/5/13
 Matrix: Soil
 Solids, %: 75.24
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	6.69	0.87	mg/kg	3/11/13	3/11/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0306-10
 Sample ID: SP-105
 Date collected: 3/5/13
 Matrix: Soil
 Solids, %: 76.86
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	8.08	0.85	mg/kg	3/11/13	3/11/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0306-10
 Sample ID: SP-106
 Date collected: 3/5/13
 Matrix: Soil
 Solids, %: 74.84
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	8.73	0.78	mg/kg	3/11/13	3/11/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0306-10
 Sample ID: SP-107
 Date collected: 3/5/13
 Matrix: Soil
 Solids, %: 68.95
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	9.21	1.00	mg/kg	3/11/13	3/11/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0306-10
 Sample ID: SP-108
 Date collected: 3/5/13
 Matrix: Soil
 Solids, %: 70.92
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	11.2	0.91	mg/kg	3/11/13	3/11/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0306-10
 Sample ID: SP-109
 Date collected: 3/5/13
 Matrix: Soil
 Solids, %: 62.2
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	6.72	0.98	mg/kg	3/11/13	3/11/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0306-10
 Sample ID: SP-110
 Date collected: 3/5/13
 Matrix: Soil
 Solids, %: 72.76
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	6.56	0.88	mg/kg	3/11/13	3/11/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Case Number: Z0306-10
 Sample ID: SP-111
 Date collected: 3/5/13
 Matrix: Soil
 Solids, %: 73.42
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	7.39	0.79	mg/kg	3/11/13	3/11/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

METALS RESULTS



Sample ID: Preparation Blank
 Matrix SOIL
 Solids, % 100
 Sample Type: Total

Analyst JC/RS

		Preparative	Analytical		Reporting		Date of	Date
Parameter	CAS Number	Method	Method	Result	Limit	Units	Preparation	Analyzed
Arsenic	7440-38-2	3050B	6010C	ND	0.67	mg/kg	3/11/13	3/11/13

ND indicates Not Detected.

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal		Date Analyzed
					LCL, %	UCL, %	
Arsenic	13.3	12.6	mg/kg	95	80	120	3/11/13

New England Testing Laboratory, Inc.

Z0306-10

TESTS..	REMARKS
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**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates