



October 1, 2014

PN: 39743921

Mr. John Regan,
Hazardous Waste Remediation Bureau
New Hampshire Department of Environmental Services
29 Hazen Drive, P.O. Box 95
Concord, New Hampshire 03302-0095
Via e-mail: john.regan@des.nh.gov

**RE: Corrective Action Report – Area 1
Exeter Sportsman’s Club
Waterworks Pond Road
Exeter, New Hampshire
DES Site #200212050, DES Project #12496**

Dear Mr. Regan:

On behalf of the Town of Exeter (Town) and in accordance with *Env-Or 606.14 Corrective Action Prior to Remedial Action Plan Approval*, URS Corporation (URS) is submitting this Corrective Action Summary report for the remediation of the open portion of the trap range located at the Exeter Sportsmans Club (ESC) on Waterworks Pond Road in Exeter, New Hampshire. Figure 1 depicts the location of the site on a US Geologic Services Topographic map. Approval of a scope of work that involved the excavation and off-site disposal of a clay target berm, and the excavation and relocation of lead impacted soils into a new berm along the eastern side of the small bore range, was granted by the New Hampshire Department of Environmental services on October 24, 2013. This work was conducted in order to promote timelier remediation of the portion of the site identified as Area 1 in Figure 2.

On May 9, 2014 the project was initiated under the direction of Mr. Joseph Kenick of the Exeter Sportsmans Club. Work began in the northern and western portions of the former trap range where tree clearing was required. Photograph 1 in Attachment A shows the area where trees were removed between the small bore range and the trap range. This area was clear cut and partially grubbed. Stumps located in the proposed berm alignment remained in place while stumps outside the area were stockpiled and burned to reduce their size. The imported fill that was previously stored on the trap range was relocated to cover the stumps that were left in place in the area where the small bore range berm was to be constructed. Trees along the northern end of the trap range were also cut and grubbed to provide access to the clay target berm (See Photograph 2). Approximately 240 cubic yards of clay targets and soil were removed and disposed of at the Raymond Transfer Station in Raymond, New Hampshire.

On June 16, 2014, URS staked out the limits of the soil excavation. The layout was initiated by identifying the area around sampling location PR1-3 that required 24 inches of poly aromatic hydrocarbon (PAH) impacted soil to be removed (See Photograph 3). This area is where CDM had previously excavated a shallow test pit and had mixed clay target fragments with soils up to 15 inches deep. March 2013 analytical results indicated exceedances of NHDES RCMP S-1 Soil Standards in an approximate 10 foot by 10 foot area. While on site, URS also defined (staked out) the limits of the former trap range requiring 15 inches of lead impacted soil excavation (Photograph 4).

URS Corporation
1155 Elm Street, Suite 401
Manchester, NH 03101
Tel: 603.606.4800
Fax: 603.606.4801



On the morning of June 20, 2014, excavation began with K.G. Blood and Sons Excavating removing the soil from the vicinity of PR1-3 and along the back of the range where the clay target berm was located. Upon completion of the excavation of 15 and 24 inches of soil, respectively, a total of 5 samples were collected and submitted to Eastern Analytical Incorporated (EAI) of Concord, New Hampshire for PAH analysis using USEPA method 8270. The first three samples designated PAH-1, PAH-2, and PAH-3 were collected from the former clay target berm area (See Photograph 5) while the remaining two soil samples designated PAH-4 and PAH-5 were collected from the 24 inch deep excavation (see Photograph 6). Figure 2 depicts these sample locations. Results of these analyses are summarized in Table 1 and indicated that PAHs were not detected above the laboratory detection limits which were set below the NHDES Risk Characterization and Management Policy (RCMP) Method 1 Soil Standards. Copies of the laboratory analytical reports prepared by EAI are included as Attachment B.

Soil excavation continued in the open trap range portion of the site where 15 inches of lead impacted soil was removed and placed in the small bore range's eastern berm (See Photograph 7). Prior to excavation of this area, ground surface elevations were measured. Excavation was conducted in quadrants with the bottom elevations being surveyed to confirm a minimum of 15 inches of soil had been removed. Photograph 8 of Attachment A shows the area after soil excavation. The orange dots shown in the photo indicate locations of spot elevations. Upon completion of the soil removal, a total of 8 soil samples were collected and submitted to EAI for lead analysis. Results of the analyses are summarized in Table 2 and indicated that concentrations of residual lead in soil ranged from 2.6 to 110 milligrams/kilograms or parts per million (PPM) which is significantly below the NHDES RCMP S-1 Soil Standard of 400 PPM.

Sometime between the end of August to the beginning of September 2014, the areas where excavation had occurred were backfilled to re-establish the base grade. Approximately 3 inches of loam was spread over the area and the area was seeded. In addition, the eastern berm of the small bore range was loamed and seeded to establish a vegetative support layer and to limit the potential for erosion of the berm.

The work described above was conducted as the first phase of a sequential approach to remediating impacts to the environment in the immediate vicinity of the former trap range (Area1). As discussed in the April 17, 2013 "Proposed Scope of Work – Site Investigation" letter to Mr. John Liptak, prior range activities have impacted the former trap range (Area1), the Town owned forested area to the north of the trap range (Area 2) and the forested area to the east reportedly owned by the Blanchard family (Area 3). The remedial response actions undertaken above have resulted in a condition of no significant risk to human health and the environment for Area 1 since there is no longer an exposure pathway to hazardous materials. Since concentrations of lead in soil are present above the NHDES RCMP S-1 Soil Standards in the forested portions of the adjacent properties, Areas 2 and 3 will require the development of a Remedial Action Plan (RAP) to evaluate remedial response actions necessary to achieve a condition of no significant risk to human health and the environment. It is anticipated that work on the RAP will be initiated in 2015 after the Town of Exeter has had the opportunity to include the cost for the RAP in their budget.

The Town of Exeter and URS appreciates the NHDES' consideration of our sequential approach to remediation of the site. If you have any questions about the path forward, or require additional information, please contact either of the undersigned at 603.606.4800.



Sincerely,

URS Corporation

Gary Garfield

Gary Garfield, P.E. LSP
Principal Engineer

Tina L Merritt

Tina Merritt
Project Manager



TABLES

TABLE 1
RESULTS OF POST CONSTRUCTION PAH SAMPLING
EXETER SPORTSMANS CLUB
EXETER, NEW HAMPSHIRE

Parameter	NHDES - RCMP Method 1 Soil Stds.	Sample Designations				
		PAH-01	PAH-02	PAH-03	PAH-04 Pit	PAH-05 Pit
Naphthalene	5	<0.09	<0.08	<0.08	<0.08	<0.09
2-Methylnaphthalene	96	<0.09	<0.08	<0.08	<0.08	<0.09
Acenaphthylene	490	<0.09	<0.08	<0.08	<0.08	<0.09
Acenaphthene	340	<0.09	<0.08	<0.08	<0.08	<0.09
Fluorene	77	<0.09	<0.08	<0.08	<0.08	<0.09
Phenanthrene	NS	<0.09	<0.08	<0.08	<0.08	<0.09
Anthracene	1000	<0.09	<0.08	<0.08	<0.08	<0.09
Fluoranthene	960	<0.09	<0.08	<0.08	<0.08	<0.09
Pyrene	720	<0.09	<0.08	<0.08	<0.08	<0.09
Benzo[a]anthracene	1	<0.09	<0.08	<0.08	<0.08	<0.09
Chrysene	120	<0.09	<0.08	<0.08	<0.08	<0.09
Benzo[b]fluoranthene	1	<0.09	<0.08	<0.08	<0.08	<0.09
Benzo[k]fluoranthene	12	<0.09	<0.08	<0.08	<0.08	<0.09
Benzo[a]pyrene	0.7	<0.09	<0.08	<0.08	<0.08	<0.09
Indeno[1,2,3-cd]pyrene	1	<0.09	<0.08	<0.08	<0.08	<0.09
Dibenz[a,h]anthracene	0.7	<0.09	<0.08	<0.08	<0.08	<0.09
Benzo[g,h,i]perylene	NS	<0.09	<0.08	<0.08	<0.08	<0.09

All results reported in mg/kg

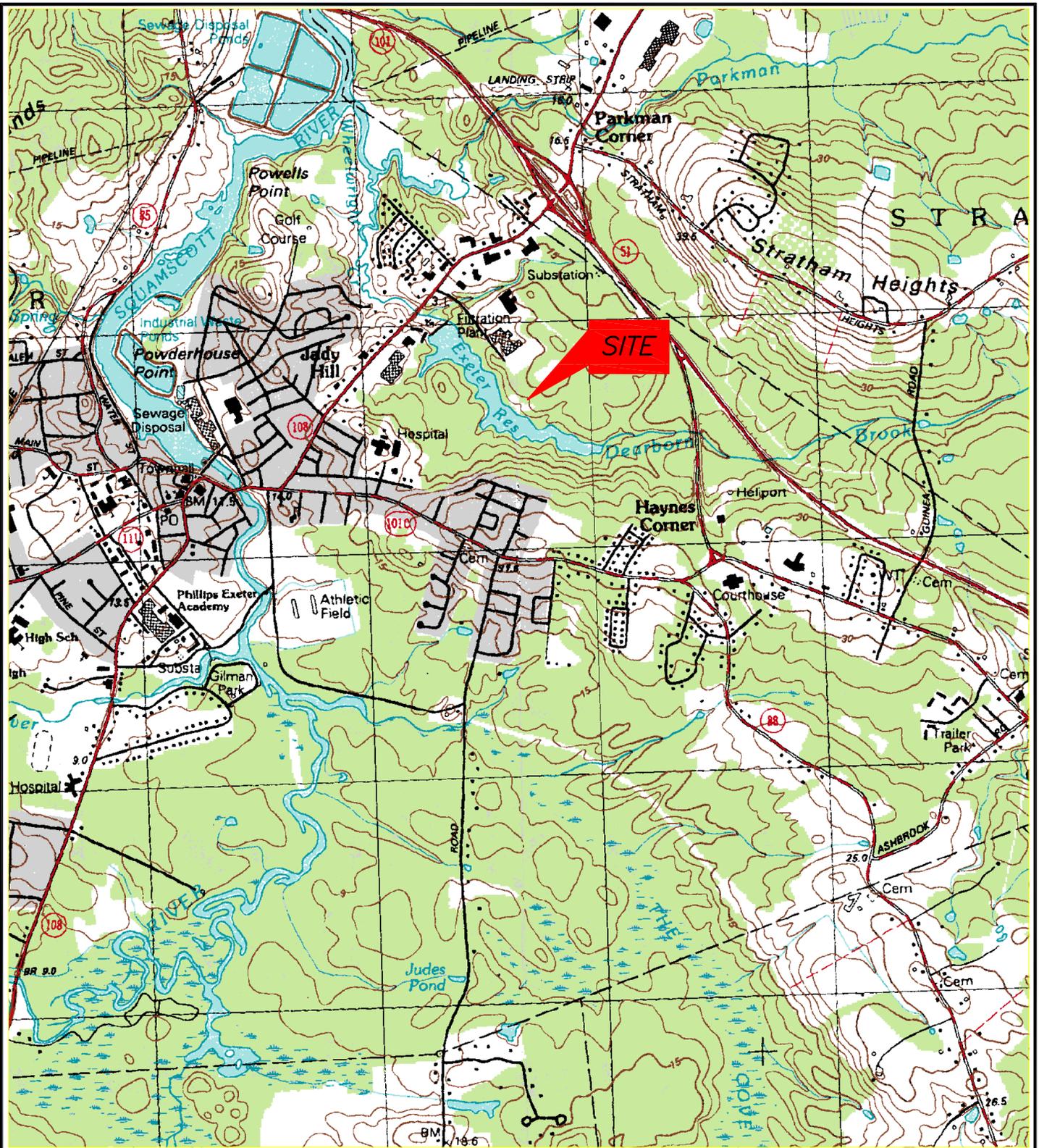
NS- No Standard

TABLE 2
RESULTS OF POST CONSTRUCTION LEAD SAMPLING
EXETER SPORTSMANS CLUB
EXETER, NEW HAMPSHIRE

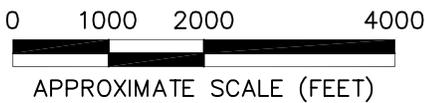
Location	Units	NHDES S-1 Standard	Results
Lead-01	mg/kg	400	3.9
Lead-02	mg/kg	400	2.6
Lead-03	mg/kg	400	5.0
Lead-04	mg/kg	400	7.4
Lead-05	mg/kg	400	3.9
Lead-06	mg/kg	400	8.5
Lead-07	mg/kg	400	15
Lead-08	mg/kg	400	110



FIGURES



SOURCES:
 USGS EXETER, NH QUADRANGLES
 7.5 MINUTE SERIES TOPOGRAPHIC MAPS
 DATED 1985



SITE LOCATION MAP

EXETER SPORTSMAN'S CLUB
 PORTSMOUTH AVENUE
 EXETER, NEW HAMPSHIRE

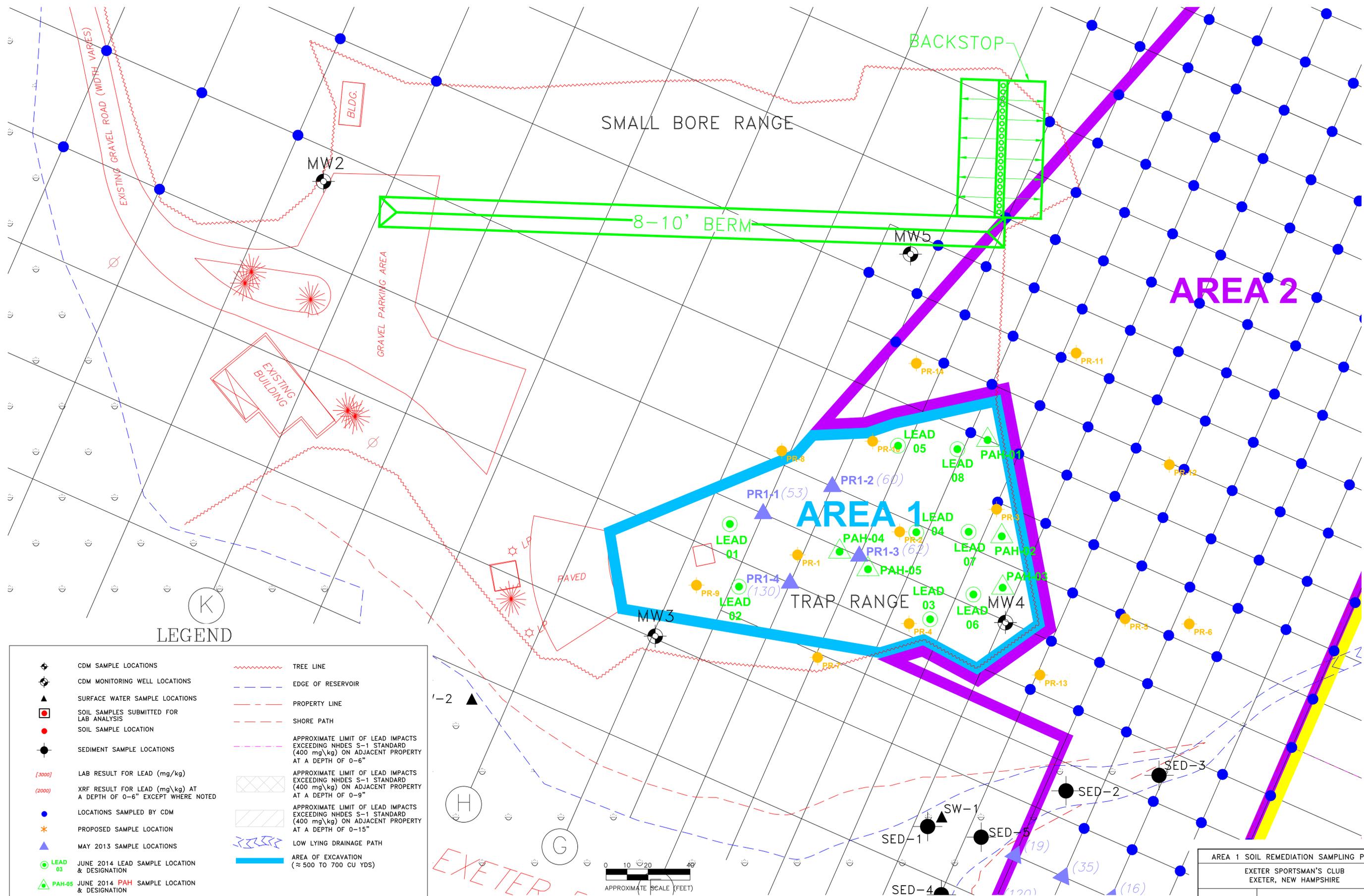
CLIENT **Town of Exeter**



5 Industrial Way 03079
 Salem, New Hampshire
 TEL: (603) 893-0616
 FAX: (603) 893-6240
<http://www.urscorp.com>

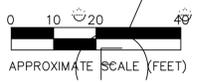
SCALE	NTS	DRAWN BY	BCL	JOB NO.	39742396
DATE	10/06	APPR. BY	ALP	FIG. NO.	1

T:\ACAD\PROJECT\39743921-EXETER_SPORTSMAN_CLUB\AREA 1 SOIL REMEDIATION\DWG (SAMPLING PLAN) 07/02/14 8:07PM



LEGEND

	CDM SAMPLE LOCATIONS		TREE LINE
	CDM MONITORING WELL LOCATIONS		EDGE OF RESERVOIR
	SURFACE WATER SAMPLE LOCATIONS		PROPERTY LINE
	SOIL SAMPLES SUBMITTED FOR LAB ANALYSIS		SHORE PATH
	SOIL SAMPLE LOCATION		APPROXIMATE LIMIT OF LEAD IMPACTS EXCEEDING NHDES S-1 STANDARD (400 mg/kg) ON ADJACENT PROPERTY AT A DEPTH OF 0-6"
	SEDIMENT SAMPLE LOCATIONS		APPROXIMATE LIMIT OF LEAD IMPACTS EXCEEDING NHDES S-1 STANDARD (400 mg/kg) ON ADJACENT PROPERTY AT A DEPTH OF 0-9"
	LAB RESULT FOR LEAD (mg/kg)		APPROXIMATE LIMIT OF LEAD IMPACTS EXCEEDING NHDES S-1 STANDARD (400 mg/kg) ON ADJACENT PROPERTY AT A DEPTH OF 0-15"
	XRF RESULT FOR LEAD (mg/kg) AT A DEPTH OF 0-6" EXCEPT WHERE NOTED		LOW LYING DRAINAGE PATH
	LOCATIONS SAMPLED BY CDM		AREA OF EXCAVATION (≈ 500 TO 700 CU YDS)
	PROPOSED SAMPLE LOCATION		
	MAY 2013 SAMPLE LOCATIONS		
	JUNE 2014 LEAD SAMPLE LOCATION & DESIGNATION		
	JUNE 2014 PAH SAMPLE LOCATION & DESIGNATION		



AREA 1 SOIL REMEDIATION SAMPLING PLAN
EXETER SPORTSMAN'S CLUB
EXETER, NEW HAMPSHIRE

URS
Solemn, New Hampshire 03079
TEL: (603) 883-0616
FAX: (603) 883-0340
http://www.urscorp.com

DRAWN BY: HAJ PROJECT NO.: 39743921 FIGURE NO.:
DESIGN BY: TM SCALE: 1" = 20'
APPROVED BY: GNC DATE: 07/14 2



ATTACHMENT A
SITE PHOTOGRAPHS

**Exeter Sportsmans Club
Lead and PAH Remediation
Exeter, New Hampshire**



Photograph 1 - Area of tree removal between the small Bore Range and the Former trap Range



Photograph 2 - Area of clay target berm to be loaded and shipped for off-site disposal

**Exeter Sportsmans Club
Lead and PAH Remediation
Exeter, New Hampshire**



Photograph 3 - Area of PAH removal surrounding sample location PR1-3 delineated with caution tape



Photograph 4 - Area of the trap range designated for 15 inches of soil removal

**Exeter Sportsmans Club
Lead and PAH Remediation
Exeter, New Hampshire**



Photograph 5 - Area of former clay target berm



Photograph 6 - Area of PAH impacted soil removal to 24 inches
(Orange circles indicate sample locations)

**Exeter Sportsmans Club
Lead and PAH Remediation
Exeter, New Hampshire**



Photograph 7 - Impacted soils placed in small bore range berm



Photograph 8 - Area of the former trap range with 15 inches of soil removed. Orange dots indicate elevation measurement locations

**Exeter Sportsmans Club
Lead and PAH Remediation
Exeter, New Hampshire**



Photograph 9 – Former Trap Range Restored



Photograph 10 – Berm containing lead impacted soils covered with loam and seeded



ATTACHMENT B
ANALYTICAL LABORATORY REPORTS

Gary Garfield
URS Corporation (NH)
1155 Elm Street, Suite 401
Manchester, NH 03101



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 132872 & 132942
Client Identification: Exeter Gun Range / 39743921
Date Received: 6/20/2014 & 6/24/2014

Dear Mr. Garfield :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

- Solid samples are reported on a dry weight basis, unless otherwise noted
- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,


Lorraine Olashaw, Lab Director

7.6.14
Date

10
of pages (excluding cover letter)



SAMPLE CONDITIONS PAGE

EAI ID#: 132872

Client: URS Corporation (NH)

Client Designation: Exeter Gun Range / 39743921

Temperature upon receipt (°C): 14.5

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
132872.01	PAH-01	6/20/14	6/20/14	soil	75.0	Adheres to Sample Acceptance Policy
132872.02	PAH-02	6/20/14	6/20/14	soil	88.4	Adheres to Sample Acceptance Policy
132872.03	PAH-03	6/20/14	6/20/14	soil	83.9	Adheres to Sample Acceptance Policy
132872.04	PAH-04 (Pit)	6/20/14	6/20/14	soil	83.0	Adheres to Sample Acceptance Policy
132872.05	PAH-05 (Pit)	6/20/14	6/20/14	soil	79.2	Adheres to Sample Acceptance Policy
132872.06	Lead-01	6/20/14	6/20/14	soil	88.8	Adheres to Sample Acceptance Policy
132872.07	Lead-02	6/20/14	6/20/14	soil	92.1	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

- 1) EPA 600/4-79-020, 1983
- 2) Standard Methods for Examination of Water and Wastewater, 20th Edition, 1998 and 22nd Edition, 2012
- 3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- 4) Hach Water Analysis Handbook, 2nd edition, 1992



SAMPLE CONDITIONS PAGE

EAI ID#: 132942

Client: URS Corporation (NH)

Client Designation: Exeter Gun Range / 39743921

Temperature upon receipt (°C): 2

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
132942.01	Lead-03	6/24/14	6/24/14	soil	83.7	Adheres to Sample Acceptance Policy
132942.02	Lead-04	6/24/14	6/24/14	soil	93.4	Adheres to Sample Acceptance Policy
132942.03	Lead-05	6/24/14	6/24/14	soil	88.7	Adheres to Sample Acceptance Policy
132942.04	Lead-06	6/24/14	6/24/14	soil	83.0	Adheres to Sample Acceptance Policy
132942.05	Lead-07	6/24/14	6/24/14	soil	78.1	Adheres to Sample Acceptance Policy
132942.06	Lead-08	6/24/14	6/24/14	soil	82.0	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis. Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

- 1) EPA 600/4-79-020, 1983
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- 4) Hach Water Analysis Handbook, 2nd edition, 1992



LABORATORY REPORT

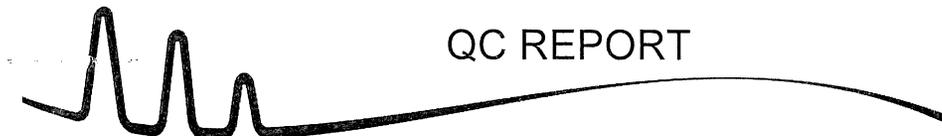
EAI ID#: 132872

Client: **URS Corporation (NH)**

Client Designation: **Exeter Gun Range / 39743921**

Sample ID:	PAH-01	PAH-02	PAH-03	PAH-04 (Pit)	PAH-05 (Pit)
Lab Sample ID:	132872.01	132872.02	132872.03	132872.04	132872.05
Matrix:	soil	soil	soil	soil	soil
Date Sampled:	6/20/14	6/20/14	6/20/14	6/20/14	6/20/14
Date Received:	6/20/14	6/20/14	6/20/14	6/20/14	6/20/14
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	6/23/14	6/23/14	6/23/14	6/23/14	6/23/14
Date of Analysis:	6/24/14	6/24/14	6/24/14	6/24/14	6/24/14
Analyst:	AR	AR	AR	AR	AR
Method:	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1
Naphthalene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
2-Methylnaphthalene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Acenaphthylene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Acenaphthene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Fluorene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Phenanthrene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Anthracene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Fluoranthene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Pyrene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Benzo[a]anthracene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Chrysene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Benzo[b]fluoranthene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Benzo[k]fluoranthene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Benzo[a]pyrene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Indeno[1,2,3-cd]pyrene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Dibenz[a,h]anthracene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
Benzo[g,h,i]perylene	< 0.09	< 0.08	< 0.08	< 0.08	< 0.09
p-Terphenyl-D14 (surr)	36 %R	53 %R	53 %R	57 %R	39 %R

Detection limits elevated due to low solids content.



QC REPORT

EAI ID#: 132872

Client: URS Corporation (NH)

Batch ID: 63539118674/S062314PAH2

Client Designation: Exeter Gun Range / 39743921

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Naphthalene	< 0.007	0.78 (47 %R)	0.73 (44 %R) (7 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
2-Methylnaphthalene	< 0.007	0.88 (53 %R)	0.81 (49 %R) (8 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Acenaphthylene	< 0.007	0.82 (49 %R)	0.75 (45 %R) (9 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Acenaphthene	< 0.007	0.74 (45 %R)	0.68 (41 %R) (9 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Fluorene	< 0.007	0.80 (48 %R)	0.74 (45 %R) (6 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Phenanthrene	< 0.007	0.72 (43 %R)	0.69 (42 %R) (2 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Anthracene	< 0.007	0.73 (44 %R)	0.71 (43 %R) (2 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Fluoranthene	< 0.007	0.73 (44 %R)	0.74 (45 %R) (2 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Pyrene	< 0.007	0.75 (45 %R)	0.74 (45 %R) (0 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Benzo[a]anthracene	< 0.007	0.71 (42 %R)	0.72 (43 %R) (2 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Chrysene	< 0.007	0.68 (41 %R)	0.70 (42 %R) (2 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Benzo[b]fluoranthene	< 0.007	0.71 (43 %R)	0.73 (44 %R) (2 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Benzo[k]fluoranthene	< 0.007	0.72 (43 %R)	0.72 (43 %R) (0 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Benzo[a]pyrene	< 0.007	0.73 (44 %R)	0.75 (45 %R) (2 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Indeno[1,2,3-cd]pyrene	< 0.007	0.71 (42 %R)	0.73 (44 %R) (5 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Dibenz[a,h]anthracene	< 0.007	0.70 (42 %R)	0.72 (43 %R) (2 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
Benzo[g,h,i]perylene	< 0.007	0.67 (40 %R)	0.68 (41 %R) (2 RPD)	6/25/2014	mg/kg	40 - 140	30	8270D
p-Terphenyl-D14 (surr)	41 %R	41 %R	41 %R	6/25/2014	mg/kg	30 - 130		8270D

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

*! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted below, flagged analytes that exceed acceptance limits in the Quality Control sample were not detected in the field samples.

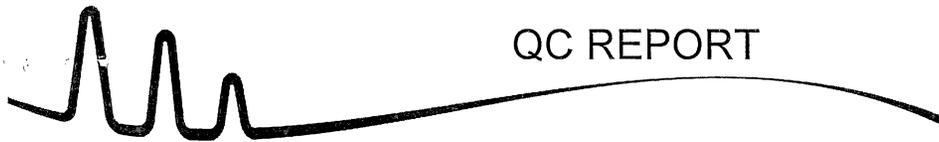


LABORATORY REPORT

EAI ID#: **132872**

Client: **URS Corporation (NH)**
 Client Designation: **Exeter Gun Range / 39743921**

Sample ID:	Lead-01	Lead-02				
Lab Sample ID:	132872.06	132872.07				
Matrix:	soil	soil				
Date Sampled:	6/20/14	6/20/14				
Date Received:	6/20/14	6/20/14				
Lead	3.9	2.6	Analytical Matrix	Units	Date of Analysis	Method Analyst
			SolTotDry	mg/kg	6/23/14	6020 DS



QC REPORT

EAI ID#: 132872

Client: URS Corporation (NH)

Client Designation: Exeter Gun Range / 39743921

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Lead	< 0.5	38 (95 %R)		mg/kg	6/23/14	80 - 120	20	6020

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Lead	132762.09	2.8	860 (86 %R)	870 (87 %R) (1 RPD)	mg/kg	6/23/14	75-125	20	6020

Samples were analyzed within holding times unless noted on the sample results page.
 Instrumentation was calibrated in accordance with the method requirements.
 The method blanks were free of contamination at the reporting limits.
 The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
 Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
 *! Flagged analyte recoveries deviated from the QA/QC limits.



LABORATORY REPORT

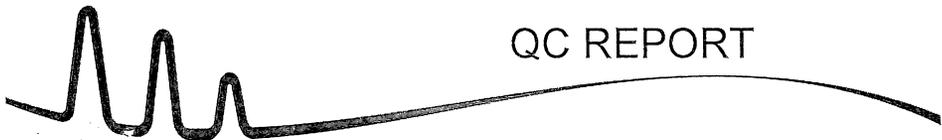
EAI ID#: 132942

Client: **URS Corporation (NH)**

Client Designation: **Exeter Gun Range / 39743921**

Sample ID:	Lead-03	Lead-04	Lead-05	Lead-06					
Lab Sample ID:	132942.01	132942.02	132942.03	132942.04					
Matrix:	soil	soil	soil	soil					
Date Sampled:	6/24/14	6/24/14	6/24/14	6/24/14	Analytical Matrix	Units	Date of Analysis	Method	Analyst
Date Received:	6/24/14	6/24/14	6/24/14	6/24/14					
Lead	5.0	7.4	3.9	8.5	SoITotDry	mg/kg	6/25/14	6020	DS

Sample ID:	Lead-07	Lead-08							
Lab Sample ID:	132942.05	132942.06							
Matrix:	soil	soil							
Date Sampled:	6/24/14	6/24/14			Analytical Matrix	Units	Date of Analysis	Method	Analyst
Date Received:	6/24/14	6/24/14							
Lead	15	110			SoITotDry	mg/kg	6/25/14	6020	DS



QC REPORT

EAI ID#: 132942

Client: URS Corporation (NH)

Client Designation: Exeter Gun Range / 39743921

Parameter Name	Blank	LCS	LCSD	Units	Date of Analysis	Limits	RPD	Method
Lead	< 0.5	39 (99 %R)		mg/kg	6/25/14	80 - 120	20	6020

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Limits	RPD	Method
Lead	132838.52	79	960 (90 %R)	960 (91 %R) (1 RPD)	mg/kg	6/25/14	75-125	20	6020

Samples were analyzed within holding times unless noted on the sample results page.
 Instrumentation was calibrated in accordance with the method requirements.
 The method blanks were free of contamination at the reporting limits.
 The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
 Exceptions to the above statements are flagged or noted above or on the QC Narrative page.
 *! Flagged analyte recoveries deviated from the QA/QC limits.

