



Weston Solutions, Inc.
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
732-585-4400 • Fax 732-225-7037
www.westonsolutions.com

The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

March 6, 2013

Mr. Louis DiGuardia, On-Scene Coordinator
U.S. Environmental Protection Agency
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT No.: EP-W-06-072

TDD No.: TO-0027-0029

DOCUMENT CONTROL No.: RST 2-02-F-1759

**SUBJECT: FINAL REMOVAL ASSESSMENT SAMPLING TRIP REPORT
READBURN WOOD TAR SITE, HANCOCK, DELAWARE COUNTY, NY**

Dear Mr. DiGuardia,

Enclosed please find the Final Removal Assessment Sampling Trip Report for the soil, sediment, waste, and groundwater (seep) sampling event conducted at the Readburn Wood Tar Site located in Hancock, New York. The sampling event was conducted at the Site between August 22 and 24, 2011. The U.S. Environmental Protection Agency comments regarding the Draft Removal Assessment Sampling Trip Report have been incorporated.

If you have any questions, please do not hesitate to call me at (732) 585-4423.

Sincerely,

Weston Solutions, Inc.

Joel Siegel
Removal Support Team 2
Site Project Manager

Enclosure

cc: TDD File No.: TO-0027-0029



FINAL REMOVAL ASSESSMENT SAMPLING TRIP REPORT

SITE NAME: Readburn Wood Tar
DC No.: RST 2-02-F-1759
TDD No.: TO-0027-0029

EPA SITE I.D. NO.: NYC200400216

SAMPLE DATES: August 22 through 24, 2011

1. Site Location: Readburn Road
Hancock, New York
(Refer to Attachment A, Figure 1)

2. Sample Locations and Descriptions: Refer to Attachment A, Figure 2 - Sample Location Map (August 2011) and Attachment B, Table 1 - Sample Collection Information Table and Table 2 - Locational Data Table

3. Laboratories Receiving Samples:

The following laboratory was utilized during the soil, sediment, waste, and groundwater (seep) sampling event:

Sample Matrix	Analyses	Laboratory
Soil, Sediment, Groundwater (Seep)	TCL VOCs, TCL SVOCs, TAL Metals	SERAS/Lockheed Martin 2890 Woodbridge Avenue Edison, NJ 08837 (732) 321-4200
Waste	TCLP VOCs, TCLP SVOCs, TCLP Metals, TCLP Pesticides, TCLP Herbicides	

TCL = Target Compound List

VOCs = Volatile Organic Compounds

SVOCs= Semivolatile Organic Compounds

TAL = Target Analyte List

TCLP = Toxicity Characteristic Leaching Procedure

SERAS= Scientific Engineering Response and Analytical Services

4. Sample Dispatch Data:

On August 22, 2011, 22 surface soil samples, including one field duplicate, and one rinsate blank sample were shipped by Weston Solutions, Inc., Removal Support Team 2 (RST 2) to the Scientific Engineering Response and Analytical Services (SERAS)/Lockheed Martin Laboratory located in Edison, New Jersey for target compound list (TCL) volatile organic compound (VOC), TCL semivolatile organic compound (SVOC), and target analyte list (TAL) metal analyses. All samples were shipped under FedEx Airbill No. 873981760309 and Traffic Report No. 2-081911-102737-0002.

On August 23, 2011, 15 surface soil samples, including one field duplicate, five subsurface soil samples, and one rinsate blank sample were shipped by RST 2 to the SERAS/Lockheed Martin Laboratory located in Edison, New Jersey for TCL VOC, TCL SVOC, and TAL metal analyses. In addition, two composite waste samples were also shipped by RST 2 to the SERAS/Lockheed Martin Laboratory for toxicity characteristic leaching procedure (TCLP) VOC, TCLP SVOC, TCLP metal, TCLP pesticide, and TCLP herbicide analyses. All samples were shipped under FedEx Airbill No. 875094866087 and Traffic Report No. 2-082311-091153-0003.

On August 24, 2011, nine surface soil samples, one subsurface soil sample, five sediment samples, one groundwater (seep) sample, one rinsate blank sample, and one trip blank sample were hand-delivered by RST 2 to the SERAS/Lockheed Martin Laboratory located in Edison, New Jersey for TCL VOC, TCL SVOC, and TAL metal analyses. All samples were hand-delivered to the laboratory under Traffic Report No. 2-082411-083824-0004.

Sample collection information for the August 2011 sampling event conducted at the Readburn Wood Tar Site (the Site) is provided in Attachment B, Table 1 – Sample Collection Information Table.

Attachment C includes copies of the Traffic Reports and the FedEx airbills.

5. On-Site Personnel:

<u>Name</u>	<u>Representing</u>	<u>Duties on Site</u>
Louis DiGuardia	U.S. EPA, Region II	On-Scene Coordinator
Joel Siegel	RST 2, Region II	Site Project Manager, Site QA/QC, Site Health and Safety, Sample Collection and Management
David Maio	Weston Solutions, Inc.	Sample Collection and Management
Ryan Beachner	Weston Solutions, Inc.	Sample Collection and Management, Locational Data Collection
Eric Rubin	Weston Solutions, Inc.	Sample Collection and Management

6. Investigation Summary:

In December 2007, five groundwater monitoring wells (RWT-MW-01S, RWT-MW-02S, RWT-MW-02D, RWT-MW-03S and RWT-MW-03D) were installed by the New York State Department of Environmental Conservation (NYSDEC) to facilitate the investigation of suspected groundwater contamination at the Site.

In August 2008, RST 2 conducted a soil sampling event to identify the type of contamination present on the Site. Soil samples collected during the August 2008 sampling event were analyzed for TCL VOCs, TCL SVOCs, and TAL metals.

In December 2008, additional soil sampling was conducted at the Site to further delineate the areas of contamination and the five on-site monitoring wells were sampled. All soil and groundwater samples collected during this event were analyzed for TCL VOCs, TCL SVOCs, and TAL metals.

In July 2009, RST 2 conducted an additional groundwater investigation at the Site. Groundwater samples were collected from all five on-site monitoring wells and additionally, one portable water sample was collected from a kitchen faucet located within an on-site residence. All aqueous samples collected during this event were analyzed for TCL VOCs, TCL SVOCs, and TAL metals.

In September 2010, additional groundwater and potable water sampling was conducted at the Site. All aqueous samples collected during this event were analyzed for TCL VOCs, TCL SVOCs, and TAL metals, including mercury.

The objective of the current Removal Assessment of the Site was to investigate surface and subsurface soils to determine the extent of contamination that was previously identified at the Site in historic sampling events. As part of the investigation, test pits were excavated for sample collection and inspection of the subsurface materials. The foundation slab of a former on-site facility building was also located and identified. A groundwater seep discharging from the Site into the adjacent Read Creek was sampled to determine if the groundwater seep contained any contaminants that may be discharging into the creek. Sediment samples were also collected from Read Creek to determine if surface water runoff from the Site had impacted the creek sediments.

7. Investigation Review and Methodology:

7.1 Investigation and Sample Collection Methodology

A subcontractor, LCP Group, Inc. of Vestal, New York was procured by RST 2 to provide subsurface utility locating services, brush clearing services, and to provide a backhoe and operator for excavating test pits at the Site. Brush clearing commenced on Monday, August 22, 2011 at 0900 hours. Prior to excavating any test pits, the area was first cleared by the subcontractor of any underground utilities. The test pits were advanced to allow subsurface soil sampling as well as visually examine the subsurface in the area where a facility building occupied the Site during former on-site operations. The backhoe was used by the subcontractor to determine the approximate extent of the former foundation of the facility building, and to identify if any soil beneath the former building had been impacted by historical on-site operations.

As part of the August 2011 Removal Assessment, 45 surface soil samples, including two field duplicates, six test pit subsurface soil samples, five sediment samples, one groundwater (seep) sample, one ash/cinder sample, and two waste samples were collected for laboratory analyses. The sample nomenclature reflects the sample location. The following paragraph explains sample nomenclature utilized as part of the Removal Assessment.

S-001-0006-001: S refers to surface soil, 001 represents sample location number one, 0006 is the depth interval 00 – 06 inches, and the suffix 001 signifies that it is the first sample from that location. A suffix of 002 would either be a second sample from that location or a sample duplicate from the same location. Test pit samples are labeled TP-0X, where X represents the test pit number. Waste samples are designated WS-001-001 and WS-001-002. Sediment samples are designated SD-001-001 through SD-005-001. The groundwater seep sample is designated SEEP-01. Refer to Attachment B, Table 1, for sample collection information. The majority of the samples collected during this Removal Assessment were surface samples. Previous sampling events conducted at the Site included the collection of soil samples with a Geoprobe®, to investigate subsurface soils.

As part of the August 2011 Removal Assessment, a total of 15 test pits (TP-01 through TP-15) were excavated throughout the Site. A total of eight samples were collected from the excavated test pits. Of the eight samples, six subsurface soil samples (TP-03 through TP-05, TP-07, TP-10, and TP-014) were collected from the test pits at depths ranging from 1.5 to 3.0 feet below ground surface (bgs). Two samples collected from TP-01 and TP-02 were composited and submitted for laboratory analysis as waste samples (WS-001-001 and WS-002-001). Subsurface soil samples were submitted for TCL VOC, TCL SVOC, and TAL metals analyses and the two composite waste samples were submitted for TCLP VOC, TCL SVOC, TCLP pesticide, TCLP herbicide, and TCLP metal analyses. Soil sampling was accomplished utilizing stainless steel scoops and bowls for sample collection and homogenization for samples for TCL SVOC and TCLP analyses. Plastic scoops and disposable pie pans were used for sample collection and homogenization for TAL metals analyses. Encore™ sampling devices were used to collect the samples for TCL VOC analysis. The Encores™ were pressed into the side or bottom of the hole after the soil for the other analyses had been collected. Samples for TCL VOC analysis were not homogenized. All non-dedicated sampling equipment was decontaminated after each use to prevent cross contamination.

As part of the August 2011 Removal Assessment, 45 surface soil samples (S-001-0006-001 through S-043-0006-001), including two field duplicates, were collected from locations throughout the Site based on a grid spacing of 25 feet. The surface soil samples were collected from 0 to 6 inches bgs. Surface soil samples were submitted for TCL VOC, TCL SVOC, and TAL metal analyses.

During a walk-through of the Site, a groundwater seep was observed entering Read Creek from the direction of the former facility. A groundwater sample (SEEP-01) was collected at the point of entry of the groundwater into the creek by filling the sample bottles directly from the seep. The sample was submitted for TCL VOC, TCL SVOC, and TAL metal analyses.

A wooden trough located on the eastern portion of the Site was filled with what appeared to be black soil, ash, and cinders. A sample of the content of this wooden trough (WT-01) was collected and submitted for TCL VOC, TCL SVOC, and TAL metal analyses.

As part of the August 2011 Removal Assessment, five sediment samples (SD-001-001 through SD-005-001) were collected from Read Creek. The sediment samples were submitted for TCL VOC, TCL SVOC, and TAL metal analyses.

Refer to Attachment B, Tables 3 through 6, for the August 2011 TCL VOC, TCL SVOC, TAL metal analytical summary tables and TCLP VOC, SVOC, pesticides, herbicides, and metals summary table.

7.2 Rinsate Blank

One rinsate blank sample was collected daily during the August 2011 sampling event. A total of three rinsate blank samples (RB082211, RB082311, and RB082411) were collected. The rinsate blank samples were collected by running distilled/de-ionized water over decontaminated sampling equipment and capturing that water in a sample container. The samples were submitted for TCL VOC, TCL SVOC, and TAL metal analyses.

7.3 Laboratory Information

Samples were submitted to the SERAS/Lockheed Martin Laboratory located in Edison, New Jersey.

8. Locational Data:

RST 2 used Global Positioning System (GPS) technology to electronically document locations. Locational data was collected using a Trimble Geo-XT® GPS. A minimum of four satellites were used to collect sample location data, with a maximum position dilution of precision (PDOP) of seven. Data were differentially corrected and projected to and displayed in Latitude / Longitude, WGS 1984 datum, decimal degrees. See Attachment B, Table 2 - Locational Data Table.

9. Removal Assessment Photographic Documentation:

Photographic documentation of the sampling event can be found in Attachment D.

10. Analytical Results

For a detailed summary of analytical results for samples analyzed for TCL VOCs, TCL SVOCs, TAL metals and TCLP VOCs, SVOCs, pesticides, herbicides and metals see Attachment B, Tables 3 through 6.

11. Report Prepared by: Joel Siegel
Joel Siegel
Site Project Manager

Date: 3/6/13

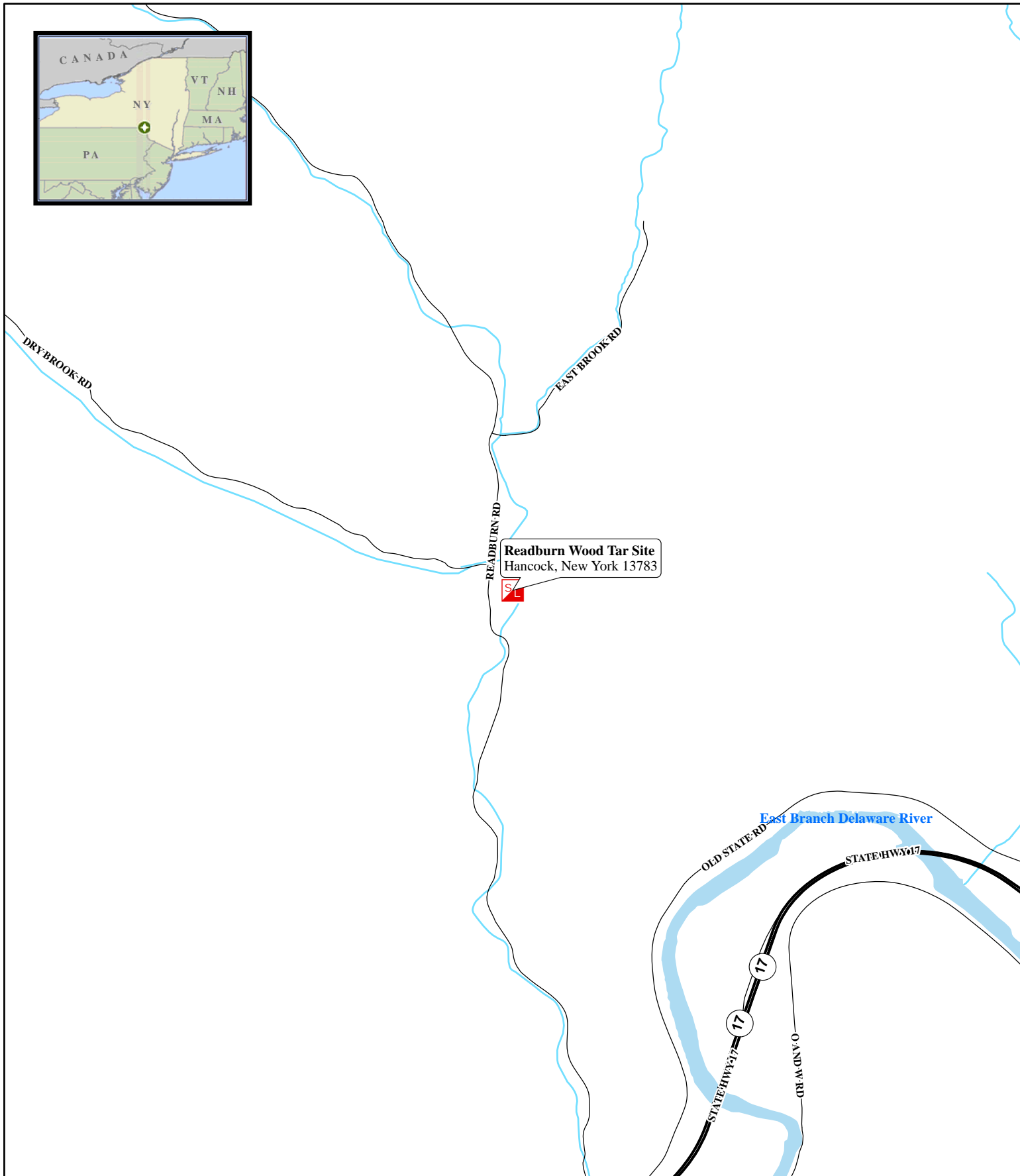
Report Reviewed by: Timothy Benton
Timothy Benton
RST 2 Operations Leader

Date: 3/6/13

ATTACHMENT A

Figure 1: Site Location Map

Figure 2: Sample Location Map (August 2011)



Legend



Site Location



Weston Solutions, Inc.
Northeast Division

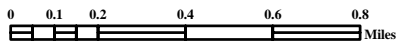
In Association With
H & S Environmental, Inc.,
Scientific and Environmental Associates, Inc.
and Avatar Environmental, LLC.

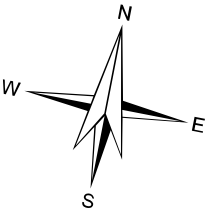
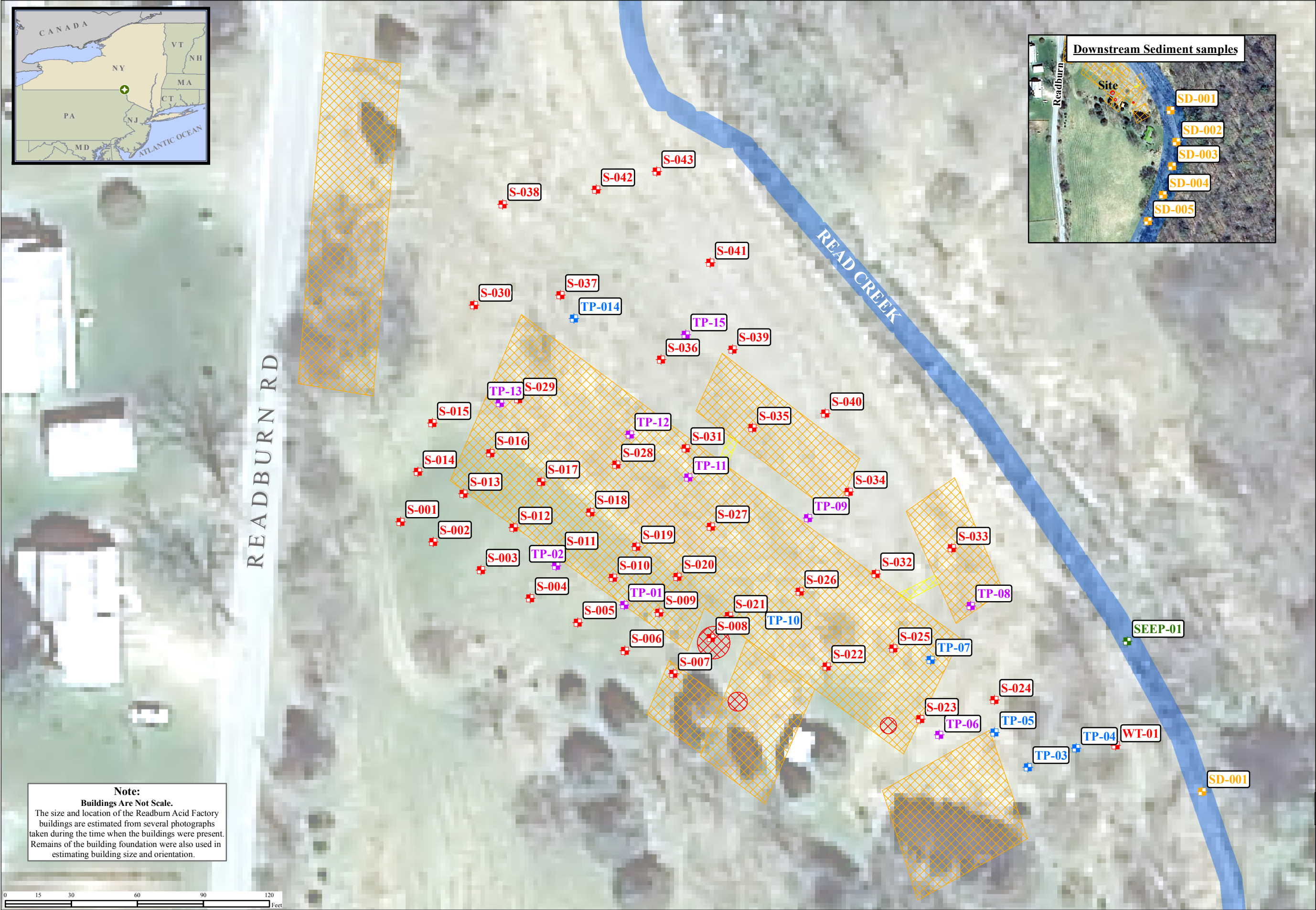
Figure 1: Site Location Map

READBURN WOOD TAR SITE
HANCOCK, NEW YORK

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DATE MODIFIED: 12/15/2011	GIS ANALYST: T. BENTON
EPA OSC: L. DIGUARDIA	RST SPM: J. SIEGEL
FILENAME: SITEMAP.MXD	





SCALE

1:500

LEGEND

- Groundwater (Seep) Sample Location
- Unsampled Test Pit Location
- Sampled Test Pit Location
- Surface Soil Sample Location
- Sediment Sample Location
- Readburn Building Location Structure
- Smoke Stack
- Building Foundation
- Chute

**Figure 2: Sample Location Map
(August 2011)**

**Readburn Wood Tar Site
Hancock, New York**

**UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY**
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

Weston Solutions, Inc.

In Association With
H & S Environmental, Inc.,
Innovative Technical Solutions, Inc. &
Avatar Environmental, LLC

GIS ANALYST:	T. BENTON
EPA OSC:	L. DIGUARDIA
RST 2 SPM:	J. SIEGEL
FILENAME:	SAMPLE LOCATION.MXD
FIGURE:	2
REVISION:	1
DATE MODIFIED:	12/15/2011



ATTACHMENT B

Table 1 – Sample Collection Information Table

Table 2 – Locational Data Table

Table 3 – TCL VOC Analytical Summary Table

Table 4 – TCL SVOC Analytical Summary Table

Table 5 – TAL Metals Analytical Summary Table

Table 6 – Full TCLP Analytical Summary Table

Table 1
Sample Collection Information Table
Readburn Wood Tar Site
August 2011

RST 2 Sample ID	Location	Sample Date	Time	Matrix	Analysis	Collection	Sample Type	Depth		Units	Remarks
								From	To		
RB082211	Rinse Blank	8/22/2011	15:15	Water	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Rinse Blank	-	-		Rinsate
RB082311	Rinse Blank	8/23/2011	15:00	Water	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Rinse Blank	-	-		Rinsate
RB082411	Rinse Blank	8/24/2011	11:20	Water	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Rinse Blank	-	-		Rinsate
S-001-0006-001	S-001	8/22/2011	10:45	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-002-0006-001	S-002	8/22/2011	10:53	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-003-0006-001	S-003	8/22/2011	10:59	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-004-0006-001	S-004	8/22/2011	11:05	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-005-0006-001	S-005	8/22/2011	11:10	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-006-0006-001	S-006	8/22/2011	11:17	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-007-0006-001	S-007	8/22/2011	11:25	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-008-0006-001	S-008	8/22/2011	11:33	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-008-0006-002	S-008	8/22/2011	11:38	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Duplicate	0	6	Inches	Field Duplicate of S-008-0006-001
S-009-0006-001	S-009	8/22/2011	11:45	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-010-0006-001	S-010	8/22/2011	11:45	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-011-0006-001	S-011	8/22/2011	11:57	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-012-0006-001	S-012	8/22/2011	11:59	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-013-0006-001	S-013	8/22/2011	12:08	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-014-0006-001	S-014	8/22/2011	12:13	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	MS/MSD
S-015-0006-001	S-015	8/22/2011	12:27	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-016-0006-001	S-016	8/22/2011	12:30	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-017-0006-001	S-017	8/22/2011	13:26	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-018-0006-001	S-018	8/22/2011	13:46	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-019-0006-001	S-019	8/22/2011	13:55	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-020-0006-001	S-020	8/22/2011	14:09	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-021-0006-001	S-021	8/22/2011	14:50	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-022-0006-001	S-022	8/23/2011	10:00	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-023-0006-001	S-023	8/23/2011	10:10	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-024-0006-001	S-024	8/23/2011	10:25	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-024-0006-002	S-024	8/23/2011	10:39	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Duplicate	0	6	Inches	Field Duplicate of S-024-0006-001
S-025-0006-001	S-025	8/23/2011	10:40	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-026-0006-001	S-026	8/23/2011	10:45	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-027-0006-001	S-027	8/23/2011	10:55	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	

Table 1
Sample Collection Information Table
Readburn Wood Tar Site
August 2011

RST 2 Sample ID	Location	Sample Date	Time	Matrix	Analysis	Collection	Sample Type	Depth		Units	Remarks
								From	To		
S-028-0006-001	S-028	8/23/2011	11:00	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-029-0006-001	S-029	8/23/2011	11:05	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-030-0006-001	S-030	8/23/2011	11:20	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-031-0006-001	S-031	8/23/2011	11:30	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-032-0006-001	S-032	8/23/2011	11:30	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-033-0006-001	S-033	8/23/2011	11:45	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-034-0006-001	S-034	8/23/2011	11:50	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-035-0006-001	S-035	8/23/2011	12:00	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-036-0006-001	S-036	8/24/2011	8:40	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-037-0006-001	S-037	8/24/2011	8:40	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	MS/MSD
S-038-0006-001	S-038	8/24/2011	8:50	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-039-0006-001	S-039	8/24/2011	9:00	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-040-0006-001	S-040	8/24/2011	9:40	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-041-0006-001	S-041	8/24/2011	9:15	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-042-0006-001	S-042	8/24/2011	9:25	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
S-043-0006-001	S-043	8/24/2011	9:10	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	0	6	Inches	
SD-001-001	SD-001	8/24/2011	10:55	Sediment	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	-	-	-	
SD-002-001	SD-002	8/24/2011	10:45	Sediment	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	-	-	-	
SD-003-001	SD-003	8/24/2011	10:36	Sediment	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	-	-	-	
SD-004-001	SD-004	8/24/2011	10:15	Sediment	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	-	-	-	
SD-005-001	SD-005	8/24/2011	10:10	Sediment	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	-	-	-	
SEEP-01	SEEP-01	8/24/2011	10:10	Ground water	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	-	-	-	MS/MSD
TB082411	Trip Blank	8/24/2011	11:50	Water	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Trip Blank	-	-	-	Trip Blank
TP-014	TP-014	8/24/2011	10:20	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	2.5	3	Feet	
TP-03	TP-03	8/23/2011	10:10	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	2.5	3	Feet	Tar
TP-04	TP-04	8/23/2011	11:15	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	2.5	3	Feet	
TP-05	TP-05	8/23/2011	11:45	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	1.5	2	Feet	
TP-07	TP-07	8/23/2011	14:05	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	1.5	2	Feet	Charcoal Odor
TP-10	TP-10	8/23/2011	15:05	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	2.5	3	Feet	Charcoal Odor
WS-001-001*	WS-001	8/23/2011	915	Waste	TCLP VOCs, TCLP SVOCs, TCLP Metals, TCLP Pesticides, TCLP Herbicides	Composite	Field Sample	-	-	-	
WS-002-001*	WS-002	8/23/2011	915	Waste	TCLP VOCs, TCLP SVOCs, TCLP Metals, TCLP Pesticides, TCLP Herbicides	Composite	Field Sample	-	-	-	
WT-01	WT-01	8/24/2011	9:50	Soil	TCL VOCs, TCL SVOCs, TAL Metals	Grab	Field Sample	-	-	-	MS/MSD

* Note: Waste samples were collected and composited from Test Pit Nos. 1 and 2.

Table 2
Locational Data Table
Readburn Wood Tar Site
August 2011

Location	Latitude	Longitude	Max PDOP	Max HDOP	Horz Prec
S-001	42.01295804	-75.1738085	3.60992527	1.972159028	6.590215567
S-002	42.01293288	-75.17375354	3.009222507	1.510896683	5.273180807
S-003	42.01289839	-75.17367301	2.949849367	1.49857533	4.986448556
S-004	42.01286348	-75.17359046	3.724501133	1.935302138	4.88839746
S-005	42.01283394	-75.17351063	2.875562668	1.484280109	4.801791147
S-006	42.0127991	-75.17343144	2.609782696	1.481598139	4.862777306
S-007	42.01277068	-75.17335031	2.803043842	1.471592903	4.917411752
S-008	42.01281568	-75.17328783	4.220299244	3.262115955	5.504525848
S-009	42.01284717	-75.1733748	2.864099026	1.815805554	5.144920335
S-010	42.01289008	-75.17345233	2.84393096	1.816390634	5.556573019
S-011	42.01292042	-75.17354105	2.831094265	1.700738311	4.886385642
S-012	42.01295146	-75.17361895	2.738390207	1.701029658	5.19519305
S-013	42.0129931	-75.17370355	4.65958786	2.321998119	7.413484984
S-014	42.01302032	-75.17377979	4.900399208	2.510689259	5.182957277
S-015	42.01308114	-75.17375622	5.354632854	2.714077711	6.17834564
S-016	42.01304461	-75.17365913	5.39783144	2.735691309	5.650338494
S-017	42.01300909	-75.17357355	2.503556252	1.449398637	4.861795066
S-018	42.01297179	-75.17349092	2.503556252	1.449398637	4.81710595
S-019	42.01292882	-75.17341373	2.503556252	1.449398637	5.024677451
S-020	42.01289198	-75.1733444	2.503556252	1.449398637	4.95358844
S-021	42.0128434	-75.1732579	2.503556252	1.449398637	5.011708905
S-022	42.01278155	-75.17309393	3.642077923	1.849378347	6.177255066
S-023	42.01271664	-75.17293705	4.971363068	2.144310474	5.212518486
S-024	42.01274111	-75.17281301	3.503076315	1.78530705	5.423196445
S-025	42.01280464	-75.17298276	2.961145401	1.519822359	4.902112552
S-026	42.01287471	-75.17313977	2.778499603	1.584704399	4.088166238
S-027	42.01295485	-75.17328951	3.981805563	2.048801661	6.283630455
S-028	42.01303078	-75.17344819	2.893081188	1.652436972	4.701107743
S-029	42.01311205	-75.17361294	2.92736268	1.672638535	4.353402739
S-030	42.01322893	-75.1736887	4.09220314	2.122002125	6.7607505
S-031	42.01305225	-75.17333255	4.13604784	2.154583216	4.405891001
S-032	42.01289754	-75.17301348	2.998377562	1.455129504	4.905117116
S-033	42.01293034	-75.17288638	2.998377562	1.455129504	4.760527363
S-034	42.0129992	-75.17305951	3.14644599	1.453679085	4.85128959
S-035	42.01307822	-75.17322122	3.190439224	1.455916405	5.070542079
S-036	42.01316248	-75.17337493	3.27810955	1.46265614	5.00526325
S-037	42.01324198	-75.17354383	2.605861902	1.446264625	5.209360058

Table 2
Locational Data Table
Readburn Wood Tar Site
August 2011

Location	Latitude	Longitude	Max PDOP	Max HDOP	Horz Prec
S-038	42.01335485	-75.1736417	3.428597212	1.479298353	4.593402545
S-039	42.01317615	-75.17325574	3.669420719	1.514510393	5.094450662
S-040	42.01309689	-75.17309957	3.812776804	1.538840055	4.880690205
S-041	42.0132837	-75.17329395	2.812336445	1.486009836	5.444190771
S-042	42.013374	-75.1734855	4.029512405	1.578994036	5.290960411
S-043	42.01339728	-75.17338447	4.191612244	1.611124754	5.343480588
SD-001	42.01262921	-75.17246456	4.653429985	2.15937233	5.980966773
SD-002	42.01230006	-75.17237842	4.728467464	2.651199341	7.044450606
SD-003	42.012044	-75.17243795	3.03934145	1.766537905	5.826922857
SD-004	42.01174391	-75.17256411	5.212575912	2.555843353	7.328859073
SD-005	42.01146523	-75.17276958	3.590099335	2.080861092	6.418789803
SEEP-01	42.01281618	-75.17259177	5.268906116	3.881404638	15.16553151
TP-01	42.01285629	-75.17343312	3.027262926	1.525117517	4.965758418
TP-02	42.01290412	-75.17354737	4.90008831	1.769424558	5.254734955
TP-03	42.01265757	-75.17275619	3.946649551	2.959291935	5.424485379
TP-04	42.0126819	-75.1726757	5.2850914	2.868903875	8.328483134
TP-05	42.01270076	-75.1728122	3.041172028	1.536609173	5.400163243
TP-06	42.01269758	-75.17290469	3.041172028	1.536609173	5.000586188
TP-07	42.01279075	-75.17292003	4.651732922	1.716351509	4.990867026
TP-08	42.01285863	-75.17285388	2.182299137	1.185914993	4.038797495
TP-09	42.01296605	-75.17312712	2.332635164	1.273532033	4.511292256
TP-10	42.01285636	-75.17320581	2.595345974	1.200305581	3.800081709
TP-11	42.01301558	-75.17332808	2.580971956	1.18770504	3.789001615
TP-12	42.0130693	-75.173426	2.610737085	1.192347527	3.754959993
TP-13	42.01310692	-75.17364378	2.879211426	1.237234235	4.120943395
TP-014	42.01321298	-75.17352114	2.914176702	1.2434659	4.0852929
TP-15	42.01319405	-75.17333381	2.543931723	1.014499187	3.567306081
WT-01	42.01268578	-75.1726098	5.268906116	3.881404638	13.78669535

Notes:

Latitude and Longitude values recorded in Decimal Degrees

PDOP - Position Dilution of Precision

HDOP - Horizontal Dilution of Precision

Horz Prec - Horizontal Precision

Table 3
TCL VOC Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 SAMPLE ID		S-001-0006-001	S-002-0006-001	S-003-0006-001	S-004-0006-001	S-005-0006-001	S-006-0006-001	S-007-0006-001	S-008-0006-001	S-008-0006-002	S-009-0006-001	S-010-0006-001	S-011-0006-001	S-012-0006-001	S-013-0006-001	S-014-0006-001
Sample Depth (inches bgs)		0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6
TCL VOC (µg/kg)	NYSDEC Restricted Residential Use															
Dichlorodifluoromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	900	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	NA	26.8	33.6	U	105	66.9	33.3	U	35.6	U	59.8	U	41	81.9	23.4 J	U
Acetone	100,000**	23.7 J	33.2 J	U	24.8 J	113 J	38.6 J	U	U	246	U	46.8 J	U	14.2 J	46.7 J	U
1,1-Dichloroethene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	26,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	NA	U	3.49 J	U	U	U	U	U	U	20.1	U	U	U	U	U	U
2,2-Dichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	3,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	49,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloropropene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	3,100	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	2,400	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	5,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	21,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromomethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Dichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromochloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Methyl-2-pentanone	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
Toluene	100,000**	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
2-Hexanone	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
Tetrachloroethene	19,000	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
Chlorobenzene	100,000**	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
1,1,1,2-Tetrachloroethane	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
Ethylbenzene	41,000	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
m,p-Xylene	100,000*/**	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
o-Xylene	100,000*/**	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
Styrene	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
Isopropylbenzene	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
1,1,2,2-Tetrachloroethane	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
1,2,3-Trichloropropane	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
n-Propylbenzene	100,000**	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
Bromobenzene	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
1,3,5-Trimethylbenzene	52,000	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
2-Chlorotoluene	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
4-Chlorotoluene	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
tert-Butylbenzene	100,000**	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
1,2,4-Trimethylbenzene	52,000	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
sec-Butylbenzene	100,000**	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
p-Isopropyltoluene	NA	U	U	U	4.72 J	2.67 J	U	U	U	U	U	5.6 J	21.2	U	R	U
1,3-Dichlorobenzene	49,000	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
1,4-Dichlorobenzene	13,000	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
n-Butylbenzene	100,000**	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
1,2-Dichlorobenzene	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
1,2-Dibromo-3-chloropropane	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
1,2,4-Trichlorobenzene	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
Hexachlorobutadiene	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
Naphthalene	100,000**	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U
1,2,3-Trichlorobenzene	NA	U	U	U	U	R	U	U	U	U	U	U	U	U	R	U

Notes:

- 1) The NYSDEC Restricted-Residential Use values are obtained from NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives.
2) * The NYSDEC Restricted-Residential Use value for total xylenes was used because values are not available o-xylene and m,p-xylene.
3) **The NYDSDEC Restricted-Residential Use values were capped at a maximum of 100,000 µg/kg.
4) *** Units are micrograms per liter (µg/L) for the SEEP-01 water sample. The action levels presented in this table are not applicable to water samples; therefore, sample SEEP-01 was not compared to NYSDEC Residential Restricted Use values.

µg/kg - micrograms per kilogram

bgs - below ground surface

EPA - U.S. Environmental Protection Agency

J - estimated value

NA - not available

NYSDEC - New York State Department of Evironmental Conservation

TCL - target compound list

R - data rejected by data validator

RST - Removal Support Team

U - not detected at or above the reporting limit

VOC - volatile organic compound

Red highlighted and bolded values exceed the NYSDEC Residential Restricted Use values.

Table 3
TCL VOC Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 SAMPLE ID		S-015-0006-001	S-016-0006-001	S-017-0006-001	S-018-0006-001	S-019-0006-001	S-020-0006-001	S-021-0006-001	S-022-0006-001	S-023-0006-001	S-024-0006-001	S-024-0006-002	S-025-0006-001	S-026-0006-001	S-027-0006-001	S-028-0006-001
Sample Depth (inches bgs)		0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6
TCL VOC (µg/kg)	NYSDEC Restricted Residential Use															
Dichlorodifluoromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	900	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	NA	U	U	46.1	35.1 J	31.5	U	U	U	U	U	U	2.48 J	4.68 J	U	U
Acetone	100,000**	U	U	949 J	733 J	148	U	194	U	U	U	U	U	U	U	U
1,1-Dichloroethene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	26,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	NA	U	U	12.1	U	8.94	U	10.8	U	U	U	U	U	U	U	U
2,2-Dichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	3,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	49,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloropropene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	3,100	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	2,400	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	5,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	21,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromomethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Dichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromochloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Methyl-2-pentanone	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
Toluene	100,000**	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
2-Hexanone	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	19,000	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	100,000**	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
1,1,1,2-Tetrachloroethane	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	41,000	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	100,000*/**	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
o-Xylene	100,000*/**	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
Styrene	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	NA	U	U	U	R	U	U	U	U	U	3.73 J	U	U	6.36 J	2.89 J	6.95
1,1,2,2-Tetrachloroethane	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
1,2,3-Trichloropropane	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	100,000**	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
Bromobenzene	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	52,000	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	100,000**	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	52,000	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	100,000**	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	NA	U	U	U	5.28 J	U	6.42 J	U	U	U	28.6	6.55	U	U	U	U
1,3-Dichlorobenzene	49,000	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	13,000	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	100,000**	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromo-3-chloropropane	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	100,000**	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	NA	U	U	U	R	U	U	U	U	U	U	U	U	U	U	U

Notes:

- 1) The NYSDEC Restricted-Residential Use values are obtained from NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives.
2) * The NYSDEC Restricted-Residential Use value for total xylenes was used because values are not available o-xylene and m,p-xylene.
3) **The NYDSDEC Restricted-Residential Use values were capped at a maximum of 100,000 µg/kg.
4) *** Units are micrograms per liter (µg/L) for the SEEP-01 water sample. The action levels presented in this table are not applicable to water samples; therefore, sample SEEP-01 was not compared to NYSDEC Residential Restricted Use values.

µg/kg - micrograms per kilogram

bgs - below ground surface

EPA - U.S. Environmental Protection Agency

J - estimated value

NA - not available

NYSDEC - New York State Department of Evironmental Conservation

TCL - target compound list

R - data rejected by data validator

RST - Removal Support Team

U - not detected at or above the reporting limit

VOC - volatile organic compound

Red highlighted and bolded values exceed the NYSDEC Residential Restricted Use values.

Table 3
TCL VOC Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 SAMPLE ID		S-029-0006-001	S-030-0006-001	S-031-0006-001	S-032-0006-001	S-033-0006-001	S-034-0006-001	S-035-0006-001	S-036-0006-001	S-037-0006-001	S-038-0006-001	S-039-0006-001	S-040-0006-001	S-041-0006-001	S-042-0006-001	S-043-0006-001
Sample Depth (inches bgs)		0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6
TCL VOC (µg/kg)	NYSDEC Restricted Residential Use															
Dichlorodifluoromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl chloride	900	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	NA	U	3.48 J	U	2.37 J	2.31 J	U	U	2.55 J	3.11 J	32.2	7.02	5.11 J	1.59 J	2.88 J	U
Acetone	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	107	U
1,1-Dichloroethene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methylene chloride	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon disulfide	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Methyl tert-butyl ether	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	26,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Butanone	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,2-Dichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-Dichloroethene	3,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chloroform	49,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloropropene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethane	3,100	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	2,400	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	5,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	21,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromomethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Dichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromochloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Methyl-2-pentanone	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Hexanone	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	19,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chlorobenzene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1,2-Tetrachloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	41,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-Xylene	100,000*/**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
o-Xylene	100,000*/**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Styrene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isopropylbenzene	NA	5.17	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2,2-Tetrachloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-Trichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Propylbenzene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromobenzene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	52,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorotoluene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Chlorotoluene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-Butylbenzene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	52,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-Butylbenzene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
p-Isopropyltoluene	NA	5.12	U	U	5.94	U	U	U	U	U	U	U	U	U	2.9 J	U
1,3-Dichlorobenzene	49,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	13,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
n-Butylbenzene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromo-3-chloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-Trichlorobenzene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Notes:

- 1) The NYSDEC Restricted-Residential Use values are obtained from NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives.
2) * The NYSDEC Restricted-Residential Use value for total xylenes was used because values are not available o-xylene and m,p-xylene.
3) **The NYDSDEC Restricted-Residential Use values were capped at a maximum of 100,000 µg/kg.
4) *** Units are micrograms per liter (µg/L) for the SEEP-01 water sample. The action levels presented in this table are not applicable to water samples; therefore, sample SEEP-01 was not compared to NYSDEC Residential Restricted Use values.

µg/kg - micrograms per kilogram

bgs - below ground surface

EPA - U.S. Environmental Protection Agency

J - estimated value

NA - not available

NYSDEC - New York State Department of Evironmental Conservation

TCL - target compound list

R - data rejected by data validator

RST - Removal Support Team

U - not detected at or above the reporting limit

VOC - volatile organic compound

Red highlighted and bolded values exceed the NYSDEC Residential Restricted Use values.

Table 3
TCL VOC Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 SAMPLE ID		TP-03	TP-04	TP-05	TP-07	TP-10	TP-014	SD-001-001	SD-002-001	SD-003-001	SD-004-001	SD-005-001	WT-01	SEEP-01***
Sample Depth (inches bgs)		30 to 36	30 to 36	18 to 24	18 to 24	30 to 36	30 to 36	--	--	--	--	--	--	--
	NYSDEC Restricted Residential Use													
TCL VOC (µg/kg)	NA	U	U	U	U	U	U	U	U	U	U	U	R	U
Dichlorodifluoromethane	NA	U	U	U	U	U	U	U	U	U	U	U	R	U
Chloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	R	U
Vinyl chloride	900	U	U	U	U	U	U	U	U	U	U	U	R	U
Bromomethane	NA	U	U	U	U	U	U	U	U	U	U	U	R	U
Chloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	R	U
Trichlorofluoromethane	NA	U	2.37 J	5.1 J	U	11	U	9.41	U	U	U	U	R	U
Acetone	100,000**	U	U	U	U	U	615 J	U	U	U	U	U	488 J	U
1,1-Dichloroethene	100,000**	U	U	U	U	U	U	U	U	U	U	U	R	U
Methylene chloride	100,000**	U	U	U	U	U	U	U	U	U	U	U	R	U
Carbon disulfide	NA	U	U	U	U	U	2.77 J	U	U	U	U	U	R	U
Methyl tert-butyl ether	100,000**	U	U	U	U	U	U	U	U	U	U	U	R	U
trans-1,2-Dichloroethene	100,000**	U	U	U	U	U	U	U	U	U	U	U	R	U
1,1-Dichloroethane	26,000	U	U	U	U	U	U	U	U	U	U	U	R	U
2-Butanone	NA	U	U	U	U	U	103	U	U	U	U	U	78.1 J	U
2,2-Dichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	R	U
cis-1,2-Dichloroethene	3,000	U	U	U	U	U	U	U	U	U	U	U	R	U
Chloroform	49,000	U	U	U	U	U	U	U	U	U	U	U	R	U
1,1-Dichloropropene	NA	U	U	U	U	U	U	U	U	U	U	U	R	U
1,2-Dichloroethane	3,100	U	U	U	U	U	U	U	U	U	U	U	R	U
1,1,1-Trichloroethane	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U
Carbon tetrachloride	2,400	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzene	5,000	7,740 J	U	U	U	U	101	U	U	U	U	U	114 J	U
Trichloroethene	21,000	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromodichloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromomethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,3-Dichloropropene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,3-Dichloropropene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,2-Trichloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Dichloropropane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibromochloromethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dibromoethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Bromoform	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Methyl-2-pentanone	NA	U	U	R	U	R	8.07 J	U	U	U	U	U	U	U
Toluene	100,000**	82,800	U	R	1,570	R	3,320	U	U	U	U	U	13,500 J	U
2-Hexanone	NA	U	U	R	U	R	26.1	U	U	U	U	U	U	U
Tetrachloroethene	19,000	U	U	R	U	R	U	U	U	U	U	U	U	U
Chlorobenzene	100,000**	U	U	R	U	R	U	U	U	U	U	U	U	U
1,1,1,2-Tetrachloroethane	NA	U	U	R	U	R	U	U	U	U	U	U	U	U
Ethylbenzene	41,000	41,500	U	R	864	R	295	U	U	U	U	U	8,790 J	U
m,p-Xylene	100,000*/**	111,000	U	R	3,000	R	7,090	U	U	U	U	U	33,900 J	U
o-Xylene	100,000*/**	52,600	U	R	1,570	R	4,490	U	U	U	U	U	20,800 J	U
Styrene	NA	7,620 J	U	R	U	R	U	U	U	U	U	U	U	U
Isopropylbenzene	NA	U	U	R	U	R	24.1	U	U	U	U	U	112	U
1,1,2,2-Tetrachloroethane	NA	U	U	R	U	R	U	U	U	U	U	U	U	U
1,2,3-Trichloropropane	NA	U	U	R	U	R	U	U	U	U	U	U	U	U
n-Propylbenzene	100,000**	16,000 J	U	R	U	R	62.6	U	U	U	U	U	350	U
Bromobenzene	NA	U	U	R	U	R	U	U	U	U	U	U	U	U
1,3,5-Trimethylbenzene	52,000	18,000 J	U	R	280 J	R	126	U	U	U	U	U	7,270 J	U
2-Chlorotoluene	NA	U	U	R	U	R	U	U	U	U	U	U	U	U
4-Chlorotoluene	NA	U	U	R	U	R	U	U	U	U	U	U	U	U
tert-Butylbenzene	100,000**	U	U	R	U	R	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	52,000	62,400	U	R	803	R	5,210	U	U	U	U	U	22,500 J	U
sec-Butylbenzene	100,000**	U	U	R	U	R	3.92 J	U	U	U	U	U	25.3	U
p-Isopropyltoluene	NA	11,900 J	U	R	U	R	35.8	U	U	U	U	U	259	U
1,3-Dichlorobenzene	49,000	U	U	R	U	R	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	13,000	U	U	R	U	R	U	U	U	U	U	U	U	U
n-Butylbenzene	100,000**	19,500 J	U	R	254 J	R	U	U	U	U	U	U	U	U
1,2-Dichlorobenzene	NA	U	U	R	U	R	U	U	U	U	U	U	U	U
1,2-Dibromo-3-chloropropane	NA	U	U	R	U	R	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	NA	U	U	R	U	R	U	U	U	U	U	U	U	U
Hexachlorobutadiene	NA	U	U	R	U	R	U	U	U	U	U	U	U	U
Naphthalene	100,000**	75,500	U	R	1,020	R	16500 J	U	U	U	U	U	640	U
1,2,3-Trichlorobenzene	NA	U	U	R	U	R	U	U	U	U	U	U	U	U

Notes:

1) The NYSDEC Restricted-Residential Use values are obtained from NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives.

2) * The NYSDEC Restricted-Residential Use value for total xylenes was used because values are not available o-xylene and m,p-xylene.

3) **The NYDSDEC Restricted-Residential Use values were capped at a maximum of 100,000 µg/kg.

4) *** Units are micrograms per liter (µg/L) for the SEEP-01 water sample. The action levels presented in this table are not applicable to water samples; therefore, sample SEEP-01 was not compared to NYSDEC Residential Restricted Use values.

bgs - below ground surface

J - estimated value

NYSDEC - New York State Department of Environmental Conservation

R - data rejected by data validator

U - not detected at or above the reporting limit

Red highlighted and bolded values exceed the NYSDEC Residential Restricted Use values.

Table 4
TCL SVOC Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 Sample ID		S-001-0006-001	S-002-0006-001	S-003-0006-001	S-004-0006-001	S-005-0006-001	S-006-0006-001	S-007-0006-001	S-008-0006-001	S-008-0006-002	S-009-0006-001	S-010-0006-001	S-011-0006-001	S-012-0006-001	S-013-0006-001	S-014-0006-001
Sample Depth (inches bgs)		0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6
TCL SVOC (µg/kg)	NYSDEC Restricted Residential Use															
Phenol	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bis-(2-chloroethyl) ether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	49,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	13,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Alcohol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2 - Dichlorobenzene	100,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Methylphenol	100,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bis-(2-chloroisopropyl)ether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Methylphenol	NA	U	U	1,210	236 J	U	U	U	U	U	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Nitrobenzene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isophorone	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Nitrophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bis-(2-chloroethoxy)methane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4-Dichlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Napthalene	100,000**	U	U	368 J	208 J	U	U	U	U	U	U	U	U	U	U	U
4-Chloroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	NA	U	U	U	U	U	U	U	U	R	R	R	U	U	U	U
4-Chloro-3-methylphenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Methylnapthalene	NA	U	U	769	401 J	U	U	151 J	U	U	U	U	U	U	U	U
Hexachlorocyclopentadiene	NA	U	U	U	U	U	U	U	U	U	U	U	R	R	R	R
2,4,6-Trichlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chloronaphthalene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Nitroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dimethylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acenaphthylene	100,000**	251 J	U	U	394 J	U	U	U	U	U	U	U	U	U	U	U
2,6-Dinitrotoluene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
3-Nitroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acenaphthene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4-Dinitrophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Nitrophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibenzofuran	NA	U	U	235 J	157 J	U	U	U	U	U	U	U	U	U	U	U
2,4-Dinitrotoluene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Diethylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Chlorophenyl-phenylether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Fluorene	100,000**	167 J	U	U	241 J	U	U	U	U	U	U	U	U	U	U	U
4-Nitroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
N-Nitrosodiphenylamine	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Bromophenyl-phenylether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobenzene	1,2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Pentachlorophenol	6,7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Phenanthrene	100,000**	2,330	401 J	1,240	4,120	1,080	U	700	353 J	U	217 J	256 J	329 J	766	546	734
Anthracene	100,000**	235 J	U	U	537 J	U	U	U	U	U	U	U	U	U	U	U
Carbazole	NA	U	U	U	309 J	U	U	U	U	U	U	U	U	U	U	U
Di-n-butylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Fluoranthene	100,000	3,190	536	731	7,320	1,420	805 J	1,160	547 J	457 J	380 J	354 J	400 J	1,010	702	1,030
Pyrene	NA	2,700	439	621	6,970	1,170	741 J	939	456 J	399 J	330 J	315 J	330 J	825	571	856 J
Butylbenzylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzo(a)anthracene	1,000	1,300	216 J	269 J	4,330	556 J	U	599	217 J	U	U	U	151 J	385 J	256 J	369 J
3,3'-Dichlorobenzidine	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chrysene	3,900	1,710	304 J	701	5,650	847	U	802	292 J	U	244 J	224 J	301 J	628	474	602
Bis-(2-ethylhexyl)phthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Di-n-octylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzo(b)fluoranthene	1,000	1,300	256 J	411 J	4,570	665	U	680	264 J	U	241 J	180 J	240 J	543	379 J	478
Benzo(k)fluoranthene	3,900	1,200	216 J	267 J	3,840	627	U	529 J	206 J	U	U	162 J	169 J	414 J	286 J	351 J
Benzo(a)pyrene	1,000	1,290	242 J	279 J	4,460	592	U	616	243 J	U	233 J	171 J	165 J	432 J	307 J	388 J
Indeno(1,2,3-cd)pyrene	500	716	138 J	163 J	2,470	406 J	U	378 J	159 J	U	U	U	U	316 J	220 J	263 J
Dibenzo(a,h)anthracene	NA	219 J	U	U	907	U	U	150 J	U	U	U	U	U	U	U	U
Benzo(g,h,i)perylene	100,000	864	167 J	197 J	2,990	490 J	U	457 J	192 J	U	U	U	153 J	382 J	265 J	318 J

Notes:
1) The NYSDEC Restricted-Residential Use values are obtained from NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives.
2) * The NYSDEC Restricted-Residential Use value for total xylenes was used because values are not available o-xylene and m,p-xylene.
3) **The NYDSDEC Restricted-Residential Use values were capped at a maximum of 100,000 µg/kg.
4) *** Units are micrograms per liter (µg/L) for the SEEP-01 water sample. The action levels presented in this table are not applicable to water samples; therefore, sample SEEP-01 was not compared to NYSDEC Residential Restricted Use values.

µg/kg - micrograms per kilogram	bgs - below ground surface
EPA - U.S. Environmental Protection Agency	J - estimated value
NA - not available	NYSDEC - New York State Department of Environmental Conservation
TCL - target compound list	R - data rejected by data validator
RST - Removal Support Team	U - not detected at or above the reporting limit
SVOC - semivolatile organic compound	

Red highlighted and bolded values exceed the NYSDEC Residential Restricted Use values.

Table 4
TCL SVOC Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 Sample ID		S-015-0006-001	S-016-0006-001	S-017-0006-001	S-018-0006-001	S-019-0006-001	S-020-0006-001	SD-021-0006-001	S-022-0006-001	S-023-0006-001	S-024-0006-001	S-024-0006-002	S-025-0006-001	S-026-0006-001	S-027-0006-001	S-028-0006-001
Sample Depth (inches bgs)		0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6
TCL SVOC (µg/kg)	NYSDEC Restricted Residential Use															
Phenol	100,000**	U	U	U	U	U	U	U	67.1 J	71 J	U	U	U	U	U	U
Bis-(2-chloroethyl) ether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	49,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	13,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Alcohol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	763	U
1,2 - Dichlorobenzene	100,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Methylphenol	100,000	U	U	U	U	U	U	U	70.2 J	215	76.7 J	83.5 J	U	U	U	U
Bis-(2-chloroisopropyl)ether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Methylphenol	NA	U	U	U	U	U	U	U	150 J	242	155 J	157 J	U	U	U	U
N-Nitroso-di-n-propylamine	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Nitrobenzene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isophorone	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Nitrophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	NA	U	U	U	U	U	U	U	89.8 J	434	203	226	U	U	U	U
Bis-(2-chloroethoxy)methane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4-Dichlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Napthalene	100,000**	U	U	U	U	U	U	U	U	102 J	92.7 J	93.1 J	U	U	51.9 J	U
4-Chloroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Methylnapthalene	NA	U	U	U	U	U	U	U	74.2 J	150 J	230	221	U	U	73.3 J	U
Hexachlorocyclopentadiene	NA	R	R	R	U	U	U	U	U	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chloronaphthalene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Nitroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dimethylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acenaphthylene	100,000**	U	U	U	U	U	72.8 J	U	116 J	138 J	84.5 J	84 J	59.3 J	105 J	186 J	U
2,6-Dinitrotoluene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
3-Nitroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acenaphthene	100,000**	U	U	U	U	U	U	U	U	U	100 J	U	U	U	92.6 J	U
2,4-Dinitrophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Nitrophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibenzofuran	NA	U	U	U	U	U	U	U	64 J	73 J	167 J	139 J	U	U	159 J	U
2,4-Dinitrotoluene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Diethylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Chlorophenyl-phenylether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Fluorene	100,000**	U	U	U	U	U	U	U	91.1 J	101 J	136 J	U	U	72 J	423	U
4-Nitroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
N-Nitrosodiphenylamine	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Bromophenyl-phenylether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobenzene	1.2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Pentachlorophenol	6.7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Phenanthrene	100,000**	341 J	229 J	495 J	363	237 J	479	317	842	965	1,290	576	250	871	2,290	U
Anthracene	100,000**	U	U	U	U	U	67.7 J	U	190 J	131 J	289	148 J	51.5 J	174 J	388	U
Carbazole	NA	U	U	U	U	U	U	U	93.8 J	U	102 J	U	U	71.6 J	108 J	U
Di-n-butylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Fluoranthene	100,000	488	407	679	530	396	719	523	1,230	1,240	1,290	612	468	1,280	1,810	111 J
Pyrene	NA	415 J	343 J	576	453	335	602	443	1,020 J	1,060	1,180	626	408	1,110	1,640	92.7 J
Butylbenzylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzo(a)anthracene	1,000	187 J	193 J	247 J	176 J	154 J	291	193 J	548	445	570	290	197	558	650	52.4 J
3,3'-Dichlorobenzidine	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chrysene	3,900	294 J	257 J	379 J	296	238 J	425	290	620	560	627	351	214	601	702	56.8 J
Bis-(2-ethylhexyl)phthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Di-n-octylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzo(b)fluoranthene	1,000	241 J	200 J	337 J	243 J	183 J	358	256 J	592	416	505	285	160 J	550	412	58.2 J
Benzo(k)fluoranthene	3,900	204 J	200 J	250 J	175 J	168 J	270	207 J	454	375	429	231	169 J	414	383	49.5 J
Benzo(a)pyrene	1,000	217 J	208 J	284 J	187 J	159 J	274	204 J	473	381	503	264	172 J	485	467	56 J
Indeno(1,2,3-cd)pyrene	500	143 J	128 J	190 J	126 J	100 J	190 J	144 J	306	226	295	172 J	110 J	296	225	U
Dibenzo(a,h)anthracene	NA	U	U	U	U	U	U	U	103 J	71.4 J	97.3 J	57.6 J	U	104 J	77.9 J	U
Benzo(g,h,i)perylene	100,000	173 J	154 J	229 J	75.5 J	U	104 J	76.4 J	171 J	147 J	169 J	94.4 J	67.4 J	167 J	132 J	U

Notes:
1) The NYSDEC Restricted-Residential Use values are obtained from NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives.
2) * The NYSDEC Restricted-Residential Use value for total xylenes was used because values are not available o-xylene and m,p-xylene.
3) **The NYDSDEC Restricted-Residential Use values were capped at a maximum of 100,000 µg/kg.
4) *** Units are micrograms per liter (µg/L) for the SEEP-01 water sample. The action levels presented in this table are not applicable to water samples; therefore, sample SEEP-01 was not compared to NYSDEC Residential Restricted Use values.

µg/kg - micrograms per kilogram	bgs - below ground surface
EPA - U.S. Environmental Protection Agency	J - estimated value
NA - not available	NYSDEC - New York State Department of Environmental Conservation
TCL - target compound list	R - data rejected by data validator
RST - Removal Support Team	U - not detected at or above the reporting limit
SVOC - semivolatile organic compound	

Red highlighted and bolded values exceed the NYSDEC Residential Restricted Use values.

Table 4
TCL SVOC Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 Sample ID		S-029-0006-001	S-030-0006-001	SD-031-0006-001	S-032-0006-001	S-033-0006-001	S-034-0006-001	S-035-0006-001	S-036-0006-001	S-037-0006-001	S-038-0006-001	S-039-0006-001	S-040-0006-001	S-041-0006-001	S-042-0006-001	S-043-0006-001
Sample Depth (inches bgs)		0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6
TCL SVOC (µg/kg)	NYSDEC Restricted Residential Use															
Phenol	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bis-(2-chloroethyl) ether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-Dichlorobenzene	49,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	13,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzyl Alcohol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2 - Dichlorobenzene	100,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Methylphenol	100,000	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bis-(2-chloroisopropyl)ether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Methylphenol	NA	52.3 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Nitrobenzene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Isophorone	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Nitrophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Bis-(2-chloroethoxy)methane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4-Dichlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Napthalene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Chloroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Methylnapthalene	NA	U	U	U	U	U	U	U	U	99.6 J	U	U	U	U	U	U
Hexachlorocyclopentadiene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chloronaphthalene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Nitroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dimethylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acenaphthylene	100,000**	48.8 J	79.6 J	U	U	U	U	U	U	1,090	363	U	U	U	U	U
2,6-Dinitrotoluene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
3-Nitroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Acenaphthene	100,000**	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4-Dinitrophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Nitrophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibenzofuran	NA	U	U	U	U	U	U	U	U	105 J	U	U	U	U	U	U
2,4-Dinitrotoluene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Diethylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Chlorophenyl-phenylether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Fluorene	100,000**	U	U	U	U	U	U	U	U	238 J	82.4 J	U	U	U	U	U
4-Nitroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
N-Nitrosodiphenylamine	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Bromophenyl-phenylether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobenzene	1.2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Pentachlorophenol	6.7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Phenanthrene	100,000**	401	320	55.4 J	U	53 J	U	63.8 J	U	2,860 J	1,060 J	U	54.4 J	54.3 J	110 J	U
Anthracene	100,000**	90.7 J	51.4 J	U	U	U	U	U	U	1,160 J	264 J	U	U	U	U	U
Carbazole	NA	U	U	U	U	U	U	U	U	112 J	68.2 J	U	U	U	U	U
Di-n-butylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Fluoranthene	100,000	500	641	148 J	76.9 J	152 J	88.9 J	216	73.8 J	8,050	1,630	79 J	163 J	172 J	182 J	102 J
Pyrene	NA	428	515	131 J	63.7 J	131 J	78.1 J	169 J	63.4 J	6,610 J	1,470	64.9 J	136 J	141 J	147 J	86.9 J
Butylbenzylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzo(a)anthracene	1,000	200	235	77.2 J	U	74.4 J	46.6 J	94.6 J	U	4,088 J	707 J	U	93.7 J	92.6 J	81.7 J	61.7 J
3,3'-Dichlorobenzidine	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Chrysene	3,900	235	287	80.5 J	U	90 J	47 J	101 J	46.6 J	4,090	890	U	96.5 J	92.2 J	88.3 J	63.5 J
Bis-(2-ethylhexyl)phthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Di-n-octylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzo(b)fluoranthene	1,000	198	246	71.5 J	U	77 J	46.6 J	81.4 J	49.8 J	3,350 J	708 J	U	87 J	U	79.5 J	71.3 J
Benzo(k)fluoranthene	3,900	197	200	71.9 J	U	64.1 J	U	79.9 J	U	3,080 J	565 J	U	91.9 J	U	80.6 J	57.1 J
Benzo(a)pyrene	1,000	199	220	79 J	U	70.4 J	U	83.2 J	46.6 J	3560	665	U	92.6 J	93.6 J	81.7 J	64.5 J
Indeno(1,2,3-cd)pyrene	500	125 J	133 J	47.6 J	U	U	U	48.4 J	U	2,000	395	U	56.5 J	57.8 J	53.5 J	U
Dibenzo(a,h)anthracene	NA	U	U	U	U	U	U	U	U	626	124 J	U	U	U	U	U
Benzo(g,h,i)perylene	100,000	69.4 J	67.5 J	U	U	U	U	U	U	1,910 J	396 J	U	60.7 J	58.2 J	56.4 J	U

Notes:
1) The NYSDEC Restricted-Residential Use values are obtained from NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives.
2) * The NYSDEC Restricted-Residential Use value for total xylenes was used because values are not available o-xylene and m,p-xylene.
3) **The NYDSDEC Restricted-Residential Use values were capped at a maximum of 100,000 µg/kg.
4) *** Units are micrograms per liter (µg/L) for the SEEP-01 water sample. The action levels presented in this table are not applicable to water samples; therefore, sample SEEP-01 was not compared to NYSDEC Residential Restricted Use values.
µg/kg - micrograms per kilogram
bgs - below ground surface
EPA - U.S. Environmental Protection Agency
J - estimated value
NA - not available
NYSDEC - New York State Department of Environmental Conservation
TCL - target compound list
R - data rejected by data validator
RST - Removal Support Team
U - not detected at or above the reporting limit
SVOC - semivolatile organic compound
Red highlighted and bolded values exceed the NYSDEC Residential Restricted Use values.

Table 4
TCL SVOC Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 Sample ID		TP-03	TP-04	TP-05	TP-07	TP-10	TP-014	SD-001-001	SD-002-001	SD-003-001	SD-004-001	SD-005-001	WT-01	SEEP-01***
Sample Depth (inches bgs)		30 to 36	30 to 36	18 to 24	18 to 24	30 to 36	30 to 36	--	--	--	--	--	--	--
TCL SVOC (µg/kg)	NYSDEC Restricted Residential Use													
Phenol	100,000**	404,000 J	389	U	9730 J	U	37,900 J	U	U	U	U	U	71,700 J	U
Bis-(2-chloroethyl) ether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	R	U
1,3-Dichlorobenzene	49,000	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-Dichlorobenzene	13,000	U	U	U	U	U	U	U	U	U	U	U	R	U
Benzyl Alcohol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2 - Dichlorobenzene	100,000	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Methylphenol	100,000	955,000 J	937	U	35,700 J	U	77,400 J	U	U	U	U	U	171,000 J	U
Bis-(2-chloroisopropyl)ether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Methylphenol	NA	1,530,000 J	1,240	55.3 J	54,800 J	54.3 J	101,000 J	U	U	U	U	U	229,000 J	U
N-Nitroso-di-n-propylamine	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachloroethane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Nitrobenzene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Isophorone	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Nitrophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	NA	1,640,000 J	1,810	U	79,200 J	U	134,000 J	U	U	U	U	U	293,000 J	U
Bis-(2-chloroethoxy)methane	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4-Dichlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trichlorobenzene	NA	U	U	U	U	U	U	U	U	U	U	U	R	U
Napthalene	100,000**	217,000 J	250	U	23,800 J	53.8 J	114,000 J	U	U	301	U	U	141,000 J	U
4-Chloroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Methylnapthalene	NA	282,000 J	421	U	36,100 J	73.5 J	168,000 J	U	U	148 J	U	U	151,000 J	U
Hexachlorocyclopentadiene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Chloronaphthalene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
2-Nitroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Dimethylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Acenaphthylene	100,000**	63,600 J	108 J	U	U	U	21,900 J	U	U	787	U	U	U	U
2,6-Dinitrotoluene	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
3-Nitroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Acenaphthene	100,000**	23,800 J	U	77.7 J	U	U	18,900 J	U	U	167 J	U	U	9,940 J	U
2,4-Dinitrophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Nitrophenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Dibenzofuran	NA	59,800 J	167 J	U	8,960 J	U	37,600 J	U	U	263	U	U	26,700 J	U
2,4-Dinitrotoluene	NA	U	U	U	U	U	U	U	U	U	U	U	R	U
Diethylphthalate	NA	U	U	U	5,950 J	U	6,620 J	U	U	U	U	U	U	U
4-Chlorophenyl-phenylether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Fluorene	100,000**	109,000 J	132 J	U	14,900 J	U	31,800 J	U	U	615	U	U	34800 J	U
4-Nitroaniline	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
N-Nitrosodiphenylamine	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
4-Bromophenyl-phenylether	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Hexachlorobenzene	1.2	U	U	U	U	U	U	U	U	U	U	U	U	U
Pentachlorophenol	6.7	U	U	U	U	U	U	U	U	U	U	U	U	U
Phenanthrene	100,000**	61,600 J	623 J	585 J	13,200 J	259 J	107,000 J	99.6 J	U	4,060 J	90.7 J	U	36,400 J	U
Anthracene	100,000**	26,400 J	158 J	136 J	5,630 J	U	33,500 J	U	U	894 J	U	U	11,400 J	U
Carbazole	NA	7,070 J	U	69.7 J	U	U	U	U	U	797 J	U	U	10,700 J	U
Di-n-butylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Fluoranthene	100,000	12,700 J	1,170	1,730	U	301	32,500 J	227	118 J	4,660	159 J	97.8 J	8,210 J	U
Pyrene	NA	21,800 J	1,060	1,510	6,260 J	264	49,600 J	163 J	88.6 J	3,680	135 J	69.3 J	12,800 J	U
Butylbenzylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzo(a)anthracene	1,000	7,720 J	629 J	778 J	U	218 J	19,000 J	113 J	67.1 J	2,230 J	70.3 J	U	U	U
3,3'-Dichlorobenzidine	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Chrysene	3,900	7,220 J	687	926	U	312	19,400 J	100 J	U	2,660	82.9 J	U	U	U
Bis-(2-ethylhexyl)phthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Di-n-octylphthalate	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Benzo(b)fluoranthene	1,000	3,070 J	508 J	780 J	U	314 J	7,850 J	86.4 J	60.3 J	2,360 J	53.3 J	U	U	U
Benzo(k)fluoranthene	3,900	U	516 J	700 J	U	277 J	7,260 J	85.6 J	56.5 J	2,210 J	66.3 J	U	U	U
Benzo(a)pyrene	1,000	4,720 J	589	698	U	202 J	13,800 J	94.7 J	64.1 J	2,330	63 J	U	U	U
Indeno(1,2,3-cd)pyrene	500	U	326	527	U	272	U	51.9 J	U	1,390	U	U	U	U
Dibenzo(a,h)anthracene	NA	U	99.5 J	145 J	U	70.5 J	U	U	U	461	U	U	U	U
Benzo(g,h,i)perylene	100,000	U	355 J	592	U	331	6,480 J	52.3 J	U	1,420 J	U	U	U	U

Notes:
1) The NYSDEC Restricted-Residential Use values are obtained from NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives.
2) * The NYSDEC Restricted-Residential Use value for total xylenes was used because values are not available o-xylene and m,p-xylene.
3) **The NYDSDEC Restricted-Residential Use values were capped at a maximum of 100,000 µg/kg.
4) *** Units are micrograms per liter (µg/L) for the SEEP-01 water sample. The action levels presented in this table are not applicable to water samples; therefore, sample SEEP-01 was not compared to NYSDEC Residential Restricted Use values.
µg/kg - micrograms per kilogram
bgs - below ground surface
EPA - U.S. Environmental Protection Agency
J - estimated value
NA - not available
NYSDEC - New York State Department of Environmental Conservation
TCL - target compound list
R - data rejected by data validator
RST - Removal Support Team
U - not detected at or above the reporting limit
SVOC - semivolatile organic compound
Red highlighted and bolded values exceed the NYSDEC Residential Restricted Use values.

Table 5
TAL Metals Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 Sample ID		S-001-0006-001	S-002-0006-001	S-003-0006-001	S-004-0006-001	S-005-0006-001	S-006-0006-001	S-007-0006-001	S-008-0006-001	S-008-0006-002	S-009-0006-001	S-010-0006-001	S-011-0006-001	S-012-0006-001	S-013-0006-001	S-014-0006-001
Sample Depth (in. bgs)		0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6
TAL Metals (mg/kg)	NYSDEC Restricted Residential Use															
Aluminum	NA	8,300	7,970	6,910	6,420	10,500	8,680	7,850	12,200	11,700	12,900	9,920	9,840	8,820	8,100	6,960
Antimony	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Arsenic	16*	16.6	8.97	20.4	18.6	13.4	12	18	10	10.3	14.1	9.75	19.6	19.3	12.7	7.86
Barium	NA	86.5	90.5	154	153	177	163	197	154	159	150	118	152	159	108	116
Beryllium	NA	0.428	0.395	0.729	0.94	0.597	0.556	0.549	0.47	0.488	0.619	0.483	0.589	0.502	0.403	0.327
Cadmium	NA	0.253	0.232	476	1.01	1.58	1.63	0.964	1.19	1.28	0.777	0.634	1.67	0.768	0.558	0.377
Calcium	NA	1,880	1,370	3,210	4,580	5,680	6,430	5,270	9,090	9,450	8,090	6,700	4,410	3,620	1,620	1,860
Chromium	180	9.1	8.14	10.9	10.4	13.5	16	12.8	13.2	12.5	14.5	11.9	12.6	10.7	8.89	7.91
Cobalt	NA	8.67	7.98	8.75	8.25	11.4	12.4	8.91	8.91	8.37	12.1	8.55	10.2	10.7	7.97	6.93
Copper	270	15.5	13.3	22.2	25.4	34.6	32.6	54.3	28	27.8	24.8	20.9	38.8	32.2	22.2	16.3
Iron	NA	19,600 J	18,200 J	39,800 J	35,500 J	31,300 J	26,200 J	49,300 J	25,500 J	23,900 J	26,800 J	22,100 J	45,000 J	42,900 J	20,900 J	18,900 J
Lead	400	30.8 J	30 J	114 J	97.2 J	129 J	308 J	93.1 J	77.8 J	81.4 J	63.6 J	58.1 J	106 J	91.5 J	66.8 J	141 J
Magnesium	NA	2,550	2,310	1,980	1,660	2,850	2,430	2,000	3,270	2,910	3,820	2,780	2,590	2,320	2,060	1,830
Manganese	NA	767	829	880	873	1320	1000	1130	1250	1520	1400	904	1280	1260	809	1050
Nickel	NA	15.8	13.9	14.7	15.6	21.7	20.4	15.4	19.6	17.6	24.2	17.2	18.6	18.4	13	11.3
Potassium	NA	1,160	1,170	2,170	1,260	1,800	1,590	1,460	1,430	1,550	2,330	1,730	1,560	1,440	1,350	1,130
Selenium	180	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Silver	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Sodium	NA	U	U	68.4	U	U	U	U	51.4	53.8	U	U	U	U	U	36.8
Thallium	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vanadium	NA	10.1	9.34	14.7	14.1	14.1	19.1	14.9	14.7	14.7	15.4	11.7	15.2	13	12.1	11
Zinc	NA	71.5	64.2	121	268	211	381	383	200	207	149	134	494	282	165	70.3

Notes:
1) The NYSDEC Restricted-Residential Use SCO values are obtained from NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives.
2) * For constituents where the SCO was lower than the rural soil background concentration as determined by the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this site.
3) ** Units are micrograms per liter (µg/L) for the SEEP-01 water sample. The action levels presented in this table are not applicable to water samples; therefore, sample SEEP-01 was not compared to NYSDEC Residential Restricted Use values.
bgs - below ground surface
EPA - U.S. Environmental Protection Agency
J - estimated value
mg/kg - milligrams per kilogram
NA - not available
NYSDEC - New York State Department of Environmental Conservation
TAL - target analyte list
R - data rejected by data validator
RST - Removal Support Team
U - not detected at or above the reporting limit
Red highlighted and bolded values exceed the NYSDEC Residential Restricted Use values.

Table 5
TAL Metals Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 Sample ID		S-015-0006-001	S-016-0006-001	S-017-0006-001	S-018-0006-001	S-019-0006-001	S-020-0006-001	S-021-0006-001	S-022-0006-001	S-023-0006-001	S-024-0006-001	S-024-0006-002	S-025-0006-001	S-026-0006-001	S-027-0006-001	S-028-0006-001
Sample Depth (in. bgs)		0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6
TAL Metals (mg/kg)	NYSDEC Restricted Residential Use															
Aluminum	NA	7,650	7,410	12,300	10,700	11,300	12,200	12,700	7,540	6,500	7,120	7,050	7,600	8,380	9,240	8,710
Antimony	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Arsenic	16*	8.48	7.24	12.7	17	19.9	30 J	12.9 J	12.1 J	10.1 J	10.8 J	11 J	6.33 J	13.4 J	54.7 J	14.8 J
Barium	NA	98.9	93.7	124	123	132	168	138	105	94.3	119	114	62.7	84.8	98.9	74.4
Beryllium	NA	0.389	0.376	0.604	0.53	0.601	0.668	0.598	0.42	0.362	0.447	0.443	0.355	0.421	0.638	0.386
Cadmium	NA	0.282	0.248	0.649	0.743	0.539	0.666	0.734	U	U	U	U	U	U	0.262	U
Calcium	NA	1,600	1,150	2,760	4,540	3,000	4,390 J	6,040 J	2,030 J	1,670 J	1,870 J	1,830 J	1,100 J	2,240 J	5,830 J	822 J
Chromium	180	8.22	7.78	12.9	11.5	12.4	14.6	13.8	10.7	7.5	12.9	11.8	7.86	10.4	10.3	8.92
Cobalt	NA	7.39	7.09	11.4	8.97	11	10.8	9.01	7.57	6.8	6.76	6.75	7.34	8.64	9.36	9.32
Copper	270	32.2	13.5	25.7	25.7	25.2	41.6 J	24 J	50 J	130 J	106 J	95.8 J	30.7 J	31 J	19.6 J	12 J
Iron	NA	17,000 J	18,000 J	23,200 J	23,200 J	24,900 J	30,600	24,900	17,300	16,700	17,300	18,600	17,200	19,400	23,300 J	21,200
Lead	400	42.1 J	29.33 J	61.5 J	76 J	55 J	99 J	71 J	51.9 J	55.3 J	63.8 J	63.3 J	20.9 J	38.1	28.6 J	14.3 J
Magnesium	NA	2,220	2,180	3,080	2,620	3,140	3,150	3,040	2,310	1,890	1,890	1,860	2,540	2,910	2,630	2,910
Manganese	NA	799	776	1270	1000	1090	1190	1060	693	559	547	549	532	753	755	796
Nickel	NA	13.1	13	20.7	17.3	21.1	22.1	18.9	15.1	13.9	14	13.9	14.9	21.7	18.5	17.5
Potassium	NA	1,220	714	1,640	1,510	1,510	1,470	1,460	1,170	915	1,040	978	887	1,090	1,210	1,030
Selenium	180	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Silver	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Sodium	NA	U	U	37.7	41.9	U	37.6	41.3	39.9	U	U	U	U	U	58.2	U
Thallium	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vanadium	NA	12.2	8.96	15.3	14.9	13.9	17	15.3	9.74	9.42	11.1	11.3	7.55	9.89	12.7	8.82
Zinc	NA	98	81.6	124	169	131	271	240	109	83.7	103	104	60.1	119	93.7	60

Notes:
1) The NYSDEC Restricted-Residential Use SCO values are obtained from NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives.
2) * For constituents where the SCO was lower than the rural soil background concentration as determined by the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this site.
3) ** Units are micrograms per liter (µg/L) for the SEEP-01 water sample. The action levels presented in this table are not applicable to water samples; therefore, sample SEEP-01 was not compared to NYSDEC Residential Restricted Use values.
bgs - below ground surface
EPA - U.S. Environmental Protection Agency
J - estimated value
mg/kg - milligrams per kilogram
NA - not available
NYSDEC - New York State Department of Environmental Conservation
TAL - target analyte list
R - data rejected by data validator
RST - Removal Support Team
U - not detected at or above the reporting limit
Red highlighted and bolded values exceed the NYSDEC Residential Restricted Use values.

Table 5
TAL Metals Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 Sample ID		S-029-0006-001	S-030-0006-001	SD-031-0006-001	SD-032-0006-001	SD-033-0006-001	SD-034-0006-001	SD-035-0006-001	SD-036-0006-001	SD-037-0006-001	SD-038-0006-001	SD-039-0006-001	SD-040-0006-001	SD-041-0006-001	SD-042-0006-001	SD-043-0006-001
Sample Depth (in. bgs)		0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6	0 to 6
TAL Metals (mg/kg)	NYSDEC Restricted Residential Use															
Aluminum	NA	8,180	8,680	8,470	8,700	9,540	9,220	9,570	9,090	7,430	9,400	9,010	9,490	8,460	9,260	8,780
Antimony	NA	U	U	U	U	1.04	U	U	U	U	U	U	U	U	U	U
Arsenic	16*	15.8 J	9.97 J	95.9 J	15.5 J	89.8 J	8.34 J	18 J	20.3 J	8.89 J	15.4 J	10.3 J	18.7 J	10.5 J	13 J	11.3 J
Barium	NA	81.1	90.00	97.3	85.6	72.2	83.8	72.9	81.9 J	73.6 J	123 J	74.5 J	74.7 J	66.6 J	76.3 J	76.4 J
Beryllium	NA	0.396	0.38	0.579	0.395	0.407	0.399	0.407	0.492	0.36	0.446	0.428	0.462	0.393	0.474	0.433
Cadmium	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Calcium	NA	1,530 J	1,390 J	4790 J	633 J	757 J	736 J	592 J	1,060	1,120	2,040	907	625	608	928	667
Chromium	180	9.22	9.53	9.92	9.1	9.79	9.58	10.3 J	9.38	7.98	10.1	8.96	9.81	8.66	9.64	9.05
Cobalt	NA	8.76	9.00	8.91	9.22	10.2	9.75	10.4	9.55	7.78	10.3	10.3	9.51	9.07	9.88	11.3
Copper	270	14 J	19.1 J	19.2 J	16.1 J	14.3 J	10.2 J	12.8 J	13.7 J	90.5 J	29.9 J	8.8 J	11.5 J	9.98 J	11.3 J	8.53 J
Iron	NA	19,200	19,600	23,900	21,500	24,900	22,000	22,500	21,900	17,700	22,000	21,100	22,700	20,500	22,000	21,300
Lead	400	27.6 J	22.6 J	34.7 J	16.5 J	20 J	10.6 J	10.9 J	14.7 J	32.5 J	24.5 J	10.5 J	24.9 J	10.2 J	11.9 J	11.7 J
Magnesium	NA	2,530	2,810	2,570	2,950	3,290	3,090	3,230	3,050 J	2,430 J	3,130 J	3,170 J	3,240 J	2,970 J	3,200 J	3,070 J
Manganese	NA	749	790	691	910	774	879	803	800	734	1,090	801	755	778	778	945
Nickel	NA	16.9	18.2	17.9	18.4	19.8	19.3	21.6	18.9	14.8	19.6	19.2	19.7	17.9	19.8	19.2
Potassium	NA	1,290	1,110	1,230	1,060	1,060	1,110	1,020	1,070	1,060	1,470	1,090	1,050	910	1,120	981
Selenium	180	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Silver	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Sodium	NA	25.7	U	46.7	U	U	U	U	U	U	31.2	U	U	U	U	U
Thallium	NA	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vanadium	NA	10	9.49	12.1	8.9	9.11	9.47	9.72	9.79	8.24	10.8	8.83	9.29	8.15	9.3	8.62
Zinc	NA	73.2	64.4	86.0	50.7	60.4	52.5	57.4	62.4	60.3	66.8	54.3	57.5	49.4	59.1	50.4

Notes:
1) The NYSDEC Restricted-Residential Use SCO values are obtained from NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives.
2) * For constituents where the SCO was lower than the rural soil background concentration as determined by the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this site.
3) ** Units are micrograms per liter (µg/L) for the SEEP-01 water sample. The action levels presented in this table are not applicable to water samples; therefore, sample SEEP-01 was not compared to NYSDEC Residential Restricted Use values.
bgs - below ground surface
EPA - U.S. Environmental Protection Agency
J - estimated value
mg/kg - milligrams per kilogram
NA - not available
NYSDEC - New York State Department of Environmental Conservation
TAL - target analyte list
R - data rejected by data validator
RST - Removal Support Team
U - not detected at or above the reporting limit
Red highlighted and bolded values exceed the NYSDEC Residential Restricted Use values.

Table 5
TAL Metals Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 Sample ID		TP-03	TP-04	TP-05	TP-07	TP-10	TP-014	WT-01	SD-001-001	SD-002-001	SD-003-001	SD-004-001	SD-005-001	SEEP-01**
Sample Depth (in. bgs)		30 to 36	30 to 36	18 to 24	18 to 24	30 to 36	30 to 36	--	--	--	--	--	--	--
TAL Metals (mg/kg)	NYSDEC Restricted Residential Use													
Aluminum	NA	708	8,240	2,440	6,450	7,140	6,330	739	7,120	8,830	8,920	9,480	6,310	906
Antimony	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Arsenic	16*	U	21.4 J	14.2 J	12.8 J	14.8 J	6.26 J	U	9.2 J	7.18 J	14.8 J	9.3 J	7.29 J	U
Barium	NA	6.02	237	66.2	163 J	149 J	87.9 J	4.46 J	63.1 J	70.8 J	70.8 J	79.2 J	54.9 J	23.6
Beryllium	NA	U	0.488	0.403	1.01	0.369	0.285	U	0.35	0.404	0.439	0.465 J	0.283	U
Cadmium	NA	U	0.325	U	0.971	0.646	4.04	U	U	U	U	U	U	U
Calcium	NA	757 U	52,700 J	973 J	20,400	14,700	1,660	285	652	701	683	660	531	5,360
Chromium	180	3.77	11.4 J	3.84	8.5	8.19	6.74	1.62	7.68	8.83	9.26	9.74	6.48	U
Cobalt	NA	0.576	7.21	2.66	7.11	7.05	8.68	U	7.71	9.1	9.95	10.7	6.49	U
Copper	270	143 J	274 J	54.7 J	649 J	123 J	5,880 J	506 J	9.84 J	9.75 J	16.8 J	11.2 J	7.07 J	U
Iron	NA	1,020	34,800	10,300	14,200	17,500	13,700	607	17,000	20,800	23,200	23,500	14,300	1,100
Lead	400	47.95	140 J	55.3 J	162 J	160 J	176 J	969 J	11.2 J	11.1 J	17.8 J	10.8 J	9 J	U
Magnesium	NA	34.1	4,290	270	1,570 J	1,880 J	1,690 J	77.2 J	2,250 J	3,130 J	3,150 J	3,330 J	2,170 J	1,060
Manganese	NA	10.4	1,020	124	242	839	634	10.5	636	669	654	878	529	62.2
Nickel	NA	2.39	15.8	5.81	17.4	12.3	10.5	0.695	15.4	18.5	19.9	20.8	12.8	U
Potassium	NA	128	1,480	571	1,070	908	1,020	217	816	929	837	951	793	808
Selenium	180	1.87	U	3.56	U	U	U	2.4	U	U	U	U	U	U
Silver	NA	U	U	U	U	U	2.08	U	U	U	U	U	U	U
Sodium	NA	U	136	31.4	58.8	45.7	84.9	U	U	U	U	U	U	1,470
Thallium	NA	U	U	U	U	U	U	U	U	U	U	U	U	U
Vanadium	NA	3.59	20.4	7.49	13	10.2	7.41	1.86	7.15	8.41	8.66	9.16	6.39	U
Zinc	NA	4.34	53.4	39.9	172	507	262	5.92	45.5	55.3	71.5	66.7	39.7	U

Notes:
1) The NYSDEC Restricted-Residential Use SCO values are obtained from NYSDEC Subpart 375-6: Remedial Program Soil Cleanup Objectives.
2) * For constituents where the SCO was lower than the rural soil background concentration as determined by the Department of Health rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this site.
3) ** Units are micrograms per liter (µg/L) for the SEEP-01 water sample. The action levels presented in this table are not applicable to water samples; therefore, sample SEEP-01 was not compared to NYSDEC Residential Restricted Use values.
bgs - below ground surface
EPA - U.S. Environmental Protection Agency
J - estimated value
mg/kg - milligrams per kilogram
NA - not available
NYSDEC - New York State Department of Environmental Conservation
TAL - target analyte list
R - data rejected by data validator
RST - Removal Support Team
U - not detected at or above the reporting limit
Red highlighted and bolded values exceed the NYSDEC Residential Restricted Use values.

Table 6
Full TCLP Analytical Summary Table - August 2011
Readburn Wood Tar Site

RST 2 SAMPLE ID		WS-001-001	WS-002-001
Date Sampled		8/23/2011	8/23/2011
TCLP Metals (mg/L)	TCLP Regulatory Level (mg/L)	(mg/L)	(mg/L)
Mercury	0.2	0.0002 U	0.0002 U
Arsenic	5	0.025 U	0.025 U
Barium	100	1.0 U	1.0 U
Cadmium	1	0.025 U	0.025 U
Chromium	5	0.05 U	0.05 U
Lead	5	0.025 U	0.025 U
Selenium	1	0.05 U	0.05 U
Silver	5	0.05 U	0.05 U
TCLP VOC			
1,1-Dichloroethene	0.7	0.010 U	0.010 U
1,2-Dichloroethane	0.5	0.010 U	0.010 U
1,4-Dichlorobenzene	8	0.010 U	0.010 U
2-Butanone	200	0.10 U	0.10 U
Benzene	0.5	0.010 U	0.010 U
Carbon tetrachloride	0.5	0.010 U	0.010 U
Chlorobenzene	100	0.010 U	0.010 U
Chloroform	6	0.010 U	0.010 U
Tetrachloroethene	0.7	0.010 U	0.010 U
Trichloroethene	0.5	0.010 U	0.010 U
Vinyl chloride	0.2	0.010 U	0.010 U
TCLP SVOC (mg/L)			
1,4-Dichlorobenzene	7.5	0.040 U	0.040 U
2,4,5-Trichlorophenol	400	0.040 U	0.040 U
2,4,6-Trichlorophenol	2	0.040 U	0.040 U
2,4-Dinitrotoluene	0.13	0.0080 U	0.0080 U
Hexachlorobenzene	0.13	0.004 U	0.0040 U
Hexachlorobutadiene	0.5	0.0080 U	0.0080 U
Hexachloroethane	3	0.0040 U	0.0040 U
m & p - Cresol	200	0.040 U	0.040 U
Nitrobenzene	2	0.0040 U	0.0040 U
o-Cresol	200	0.040 U	0.040 U
Pentachlorophenol	100	0.12 U	0.12 U
Pyridine	5	0.040 U	0.040 U
TCLP Pesticides (mg/L)			
Chlordane	0.03	0.0050 U	0.0050 U
Endrin	0.02	0.00050 U	0.00050 U
gamma-BHC (Lindane)	0.4	0.00050 U	0.00050 U
Heptachlor epoxide	0.008	0.00050 U	0.00050 U
Heptachlor	0.008	0.00050 U	0.00050 U
Methoxychlor	10	0.00050 U	0.00050 U
Toxaphene	0.5	0.0050 U	0.0050 U
TCLP Herbicides (mg/L)			
2,4-D	10	0.080 U	0.080 U
Silvex (2,4,5-TP)	1	0.080 U	0.080 U

Notes:

RST - Removal Support Team

U - not detected at or above the reporting limit

mg/L - milligrams per liter

TCLP = Toxicity Characteristic Leachate Procedure

VOC - volatile organic compound

SVOC - semivolatile organic compound

ATTACHMENT C

Traffic Reports and FedEx Airbills

DateShipped: 8/22/11

Site #: A209

Lab: SERAS

FedEx

Joel Siegel

Lab Address: 2890 Woodbridge Avenue

AirbillNo: 873981760309

(732) 570-5022

Lab Contact: Vinod Kansal

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	RB082211	Rinse Blank	TCL VOCs	Water	8/22/2011	3	3 40-ml VOA	HCl	N
	RB082211	Rinse Blank	TCL SVOCs	Water	8/22/2011	2	2 Glass Amber Liters	4 C	N
	RB082211	Rinse Blank	TAL Metals	Water	8/22/2011	1	1 Liter Poly	HNO3 pH<2	N
	S-001-0006-001	S-001	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
	S-001-0006-001	S-001	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
	S-001-0006-001	S-001	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
	S-001-0006-001	S-001	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
	S-002-0006-001	S-002	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
	S-002-0006-001	S-002	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
	S-002-0006-001	S-002	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
	S-002-0006-001	S-002	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
	S-003-0006-001	S-003	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
	S-003-0006-001	S-003	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
	S-003-0006-001	S-003	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
	S-003-0006-001	S-003	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
	S-004-0006-001	S-004	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
	S-004-0006-001	S-004	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
	S-004-0006-001	S-004	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Site #: A209

Joel Siegel

Lab Address: 2890 Woodbridge Avenue

(732) 570-5022

Lab Contact: Vinod Kansal

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
✓	S-004-0006-001	S-004	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
✓	S-005-0006-001	S-005	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
✓	S-005-0006-001	S-005	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-005-0006-001	S-005	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-005-0006-001	S-005	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
✓	S-006-0006-001	S-006	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
✓	S-006-0006-001	S-006	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-006-0006-001	S-006	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-006-0006-001	S-006	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
✓	S-007-0006-001	S-007	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
✓	S-007-0006-001	S-007	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-007-0006-001	S-007	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-007-0006-001	S-007	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
✓	S-008-0006-001	S-008	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
✓	S-008-0006-001	S-008	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-008-0006-001	S-008	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-008-0006-001	S-008	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
✓	S-008-0006-002	S-008	TAL Metals	Soil	8/22/2011	1	8 Oz. glass	4 C	
✓	S-008-0006-002	S-008	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

[illegible]

USEPA

DateShipped: 8/22/11

Site #: A209

FedEx

Joel Siegel

AirbillNo: 873981760309

(732) 570-5022

Lab: SERAS

Lab Address: 2890 Woodbridge Avenue

Lab Contact: Vinod Kansal

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
1	S-008-0008-002	S-008	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	
1	S-008-0008-002	S-008	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	
1	S-009-0008-001	S-009	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
1	S-009-0008-001	S-009	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
1	S-009-0008-001	S-009	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
1	S-009-0008-001	S-009	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
1	S-010-0008-001	S-010	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
1	S-010-0008-001	S-010	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
1	S-010-0008-001	S-010	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
1	S-010-0008-001	S-010	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
1	S-011-0008-001	S-011	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
1	S-011-0008-001	S-011	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
1	S-011-0008-001	S-011	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
1	S-011-0008-001	S-011	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
1	S-012-0008-001	S-012	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
1	S-012-0008-001	S-012	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
1	S-012-0008-001	S-012	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
1	S-012-0008-001	S-012	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
1	S-013-0008-001	S-013	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

[illegible]

USEPA

DateShipped: 8/22/11

Site #: A209

Joel Siegel

AirbillNo: 873981760309

Lab Address: 2890 Woodbridge Avenue
Lab Contact: Vinod Kansal

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
✓	S-013-0006-001	S-013	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-013-0006-001	S-013	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-013-0006-001	S-013	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
✓	S-014-0006-001	S-014	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
✓	S-014-0006-001	S-014	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-014-0006-001	S-014	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-014-0006-001	S-014	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
✓	S-014-0006-001 MS/MSD	S-014	TCL VOCs	Soil	8/22/2011	6 ✓	5 - Encore	4 C	Y
✓	S-014-0006-001 MS/MSD	S-014	TCL SVOCs	Soil	8/22/2011	2 ✓	8 Oz. Jar	4 C	Y
✓	S-014-0006-001 MS/MSD	S-014	Percent Moisture	Soil	8/22/2011	2 ✓	2 Oz. Jar	4 C	Y
✓	S-014-0006-001 MS/MSD	S-014	TAL Metals	Soil	8/22/2011	2 ✓	8 Oz. Jar	4 C	Y
✓	S-015-0006-001	S-015	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
✓	S-015-0006-001	S-015	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-015-0006-001	S-015	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-015-0006-001	S-015	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
✓	S-016-0006-001	S-016	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #[illegible]

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
✓	S-016-0006-001	S-016	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-016-0006-001	S-016	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-016-0006-001	S-016	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
✓	S-017-0006-001	S-017	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
✓	S-017-0006-001	S-017	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-017-0006-001	S-017	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-017-0006-001	S-017	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
✓	S-018-0006-001	S-018	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
✓	S-018-0006-001	S-018	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-018-0006-001	S-018	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-018-0006-001	S-018	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
✓	S-019-0006-001	S-019	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
✓	S-019-0006-001	S-019	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-019-0006-001	S-019	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-019-0006-001	S-019	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N
✓	S-020-0006-001	S-020	TCL VOCs	Soil	8/22/2011	3	5 gram - Encore	4 C	N
✓	S-020-0006-001	S-020	TCL SVOCs	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-020-0006-001	S-020	TAL Metals	Soil	8/22/2011	1	8 Oz. Jar	4 C	N
✓	S-020-0006-001	S-020	Percent Moisture	Soil	8/22/2011	1	2 Oz. Jar	4 C	N

Special Instructions:	SAMPLES TRANSFERRED FROM	
	CHAIN OF CUSTODY #	

[illegible]

DateShipped: 8/22/11

Site #: A209

FedEx

Joel Siegel

AirbillNo: 873981760309

(732) 570-5022

Lab: SERAS

Lab Address: 2890 Woodbridge Avenue

Lab Contact: Vinod Kansal

[illegible]

Special Instructions:	SAMPLES TRANSFERRED FROM	
	CHAIN OF CUSTODY #	

[illegible]

No: 2-082311-091153-0003

Weston Solutions, Inc.

Date Shipped: 8/23/11

Site #: A209

Joel Siegel

Lab Address: 2890 Woodbridge Avenue

Airbill No: 875094866087

(732) 570-5022

Lab Contact: Vinod Kansal

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	RB082311	Rinse Blank	TCL VOCs	Water	8/23/2011	3	3 40-ml VOA	HCL	N
	RB082311	Rinse Blank	TCL SVOCs	Water	8/23/2011	2	2 Glass Amber Liters	4 C	N
	RB082311	Rinse Blank	TAL Metals	Water	8/23/2011	1	1 Liter Poly	HNO3 pH<2	N
	S-022-0008-001	S-022	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
	S-022-0008-001	S-022	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-022-0008-001	S-022	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-022-0008-001	S-022	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	S-023-0008-001	S-023	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
	S-023-0008-001	S-023	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-023-0008-001	S-023	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-023-0008-001	S-023	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	S-024-0008-001	S-024	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
	S-024-0008-001	S-024	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-024-0008-001	S-024	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-024-0008-001	S-024	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	S-024-0008-002	S-024	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
	S-024-0008-002	S-024	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-024-0008-002	S-024	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

[illegible]

Weston Solutions, Inc.

DateShipped: 8/23/11

FedEx

Arb||No: 875094866087

CHAIN OF CUSTODY RECORD

Site #: A209

Joel Siegel

(732) 570-5022

No: 2-082311-091153-0003

Lab: SERAS

Lab Address: 2890 Woodbridge Avenue

Lab Contact: Vinod Kansal

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
✓	S-024-0006-002	S-024	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
✓	S-025-0006-001	S-025	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
✓	S-025-0006-001	S-025	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
✓	S-025-0006-001	S-025	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
✓	S-025-0006-001	S-025	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
✓	S-026-0006-001	S-026	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
✓	S-026-0006-001	S-026	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
✓	S-026-0006-001	S-026	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
✓	S-026-0006-001	S-026	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
✓	S-027-0006-001	S-027	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
✓	S-027-0006-001	S-027	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
✓	S-027-0006-001	S-027	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
✓	S-027-0006-001	S-027	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
✓	S-028-0006-001	S-028	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
✓	S-028-0006-001	S-028	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
✓	S-028-0006-001	S-028	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
✓	S-028-0006-001	S-028	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
✓	S-029-0006-001	S-029	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
✓	S-029-0006-001	S-029	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N

Special Instructions:		
	SAMPLES TRANSFERRED FROM	CHAIN OF CUSTODY #

[illegible]

Weston Solutions, Inc.

DateShipped: 8/23/11

FedEx

Airbill No: 875094866087

CHAIN OF CUSTODY RECORD

Site #: A209

Joel Siegel

(732) 570-5022

No: 2-082311-091153-0003

Lab: SERAS

Lab Address: 2890 Woodbridge Avenue

Lab Contact: Vinod Kansal

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	S-029-0006-001	S-029	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-029-0006-001	S-029	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	S-030-0006-001	S-030	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
	S-030-0006-001	S-030	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-030-0006-001	S-030	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-030-0006-001	S-030	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	S-031-0006-001	S-031	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
	S-031-0006-001	S-031	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-031-0006-001	S-031	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-031-0006-001	S-031	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	S-032-0006-001	S-032	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
	S-032-0006-001	S-032	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-032-0006-001	S-032	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-032-0006-001	S-032	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	S-033-0006-001	S-033	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
	S-033-0006-001	S-033	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-033-0006-001	S-033	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-033-0006-001	S-033	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	S-034-0006-001	S-034	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM	
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

CHAIN OF CUSTODY # _____

[illegible]

Weston Solutions, Inc.

DateShipped: 8/23/11

FedEx

AirbillNo: 875094866087

CHAIN OF CUSTODY RECORD

Site #: A209

Joel Siegel

(732) 570-5022

No: 2-082311-091153-0003

Lab: SERAS

Lab Address: 2890 Woodbridge Avenue

Lab Contact: Vinod Kansal

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	S-034-0006-001	S-034	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-034-0006-001	S-034	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-034-0006-001	S-034	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	S-035-0006-001	S-035	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
	S-035-0006-001	S-035	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-035-0006-001	S-035	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	S-035-0006-001	S-035	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	TP-03	TP-03	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
	TP-03	TP-03	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	TP-03	TP-03	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	TP-03	TP-03	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	TP-04	TP-04	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
	TP-04	TP-04	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	TP-04	TP-04	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	TP-04	TP-04	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	TP-05	TP-05	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
	TP-05	TP-05	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	TP-05	TP-05	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
	TP-05	TP-05	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY # _____

[illegible]

Weston Solutions, Inc.

DateShipped: 8/23/11

FedEx

Arb||No: 875094866087

CHAIN OF CUSTODY RECORD

Site #: A209

Joel Siegel

(732) 570-5022

No: 2-082311-091153-0003

Lab: SERAS

Lab Address: 2890 Woodbridge Avenue

Lab Contact: Vinod Kansal

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
•	TP-07	TP-07	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
•	TP-07	TP-07	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
•	TP-07	TP-07	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
•	TP-07	TP-07	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
•	TP-10	TP-10	TCL VOCs	Soil	8/23/2011	3	5 gram - Encore	4 C	N
•	TP-10	TP-10	TCL SVOCs	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
•	TP-10	TP-10	TAL Metals	Soil	8/23/2011	1	8 Oz. Jar	4 C	N
•	TP-10	TP-10	Percent Moisture	Soil	8/23/2011	1	2 Oz. Jar	4 C	N
	WS-001-001	WS-001	TCLP Volatiles	Waste	8/23/2011	2	4 Oz. w/Septum	4 C	N
	WS-001-001	WS-001	TCLP Semivolatiles	Waste	8/23/2011	1	8 Oz. Jar	4 C	N
	WS-001-001	WS-001	TCLP Metals	Waste	8/23/2011	1	8 Oz. Jar	4 C	N
	WS-001-001	WS-001	TCLP Pest	Waste	8/23/2011	1	8 Oz. Jar	4 C	N
	WS-001-001	WS-001	TCLP Herbicides	Waste	8/23/2011	1	8 Oz. Jar	4 C	N
•	WS-002-001	WS-002	TCLP Volatiles	Waste	8/23/2011	2	4 Oz. w/Septum	4 C	N
•	WS-002-001	WS-002	TCLP Semivolatiles	Waste	8/23/2011	1	8 Oz. Jar	4 C	N
•	WS-002-001	WS-002	TCLP Metals	Waste	8/23/2011	1	8 Oz. Jar	4 C	N
•	WS-002-001	WS-002	TCLP Pest	Waste	8/23/2011	1	8 Oz. Jar	4 C	N
•	WS-002-001	WS-002	TCLP Herbicides	Waste	8/23/2011	1	8 Oz. Jar	4 C	N

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

CHAIN OF CUSTODY RECORD

Site #: A209
Joel Siegel
(732) 570-502

No: 2-082411-083824-0004
Lab: SERAS
Lab Address: 2890 Woodbridge Avenue
Lab Contact: Vinod Kansal

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	RB082411	Rinse Blank	TCL VOCs	Water	8/24/2011	11:20	3	3 40-ml VOA	HCl	N
	RB082411	Rinse Blank	TCL SVOCs	Water	8/24/2011	11:20	2	2 Glass Amber Liters	4 C	N
	RB082411	Rinse Blank	TAL Metals	Water	8/24/2011	11:20	1	1 Liter Poly	HNO3 pH<2	N
	S-036-0006-001	S-036	TCL VOCs	Soil	8/24/2011	08:40	3	5 gram - Encore	4 C	N
	S-036-0006-001	S-036	TCL SVOCs	Soil	8/24/2011	08:40	1	8 Oz. Jar	4 C	N
	S-036-0006-001	S-036	TAL Metals	Soil	8/24/2011	08:40	1	8 Oz. Jar	4 C	N
	S-036-0006-001	S-036	Percent Moisture	Soil	8/24/2011	08:40	1	2 Oz. Jar	4 C	N
	S-037-0006-001	S-037	TCL VOCs	Soil	8/24/2011	08:40	9	5 gram - Encore	4 C	Y
	S-037-0006-001	S-037	TCL SVOCs	Soil	8/24/2011	08:40	3	8 Oz. Jar	4 C	Y
	S-037-0006-001	S-037	TAL Metals	Soil	8/24/2011	08:40	3	8 Oz. Jar	4 C	Y
	S-037-0006-001	S-037	Percent Moisture	Soil	8/24/2011	08:40	3	2 Oz. Jar	4 C	Y
	S-038-0006-001	S-038	TCL VOCs	Soil	8/24/2011	08:50	3	5 gram - Encore	4 C	N
	S-038-0006-001	S-038	TCL SVOCs	Soil	8/24/2011	08:50	1	8 Oz. Jar	4 C	N
	S-038-0006-001	S-038	TAL Metals	Soil	8/24/2011	08:50	1	8 Oz. Jar	4 C	N
	S-038-0006-001	S-038	Percent Moisture	Soil	8/24/2011	08:50	1	2 Oz. Jar	4 C	N

SAMPLES TRANSFERRED FROM	CHAIN OF CUSTODY #

Special Instructions:

[illegible]

Weston Solutions, Inc.

DateShipped:

Delivered to Lab 8/24/11

CHAIN OF CUSTODY RECORD

Site #: A209

Joel Siegel

(732) 570-5022

No: 2-082411-083824-0004

Lab: SERAS

Lab Address: 2890 Woodbridge Avenue

Lab Contact: Vinod Kansal

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-039-0006-001	S-039	TCL VOCs			09:00	3	5 gram - Encore	4 C	N
	S-039-0006-001	S-039	TCL SVOCs			09:00	1	8 Oz. Jar	4 C	N
	S-039-0006-001	S-039	TAL Metals			09:00	1	8 Oz. Jar	4 C	N
	S-039-0006-001	S-039	Percent Moisture			09:00	1	2 Oz. Jar	4 C	N
	S-040-0006-001	S-040	TCL VOCs			09:40	3	5 gram - Encore	4 C	N
	S-040-0006-001	S-040	TCL SVOCs			09:40	1	8 Oz. Jar	4 C	N
	S-040-0006-001	S-040	TAL Metals			09:40	1	8 Oz. Jar	4 C	N
	S-040-0006-001	S-040	Percent Moisture			09:40	1	2 Oz. Jar	4 C	N
	S-041-0006-001	S-041	TCL VOCs			09:15	3	5 gram - Encore	4 C	N
	S-041-0006-001	S-041	TCL SVOCs			09:15	1	8 Oz. Jar	4 C	N
	S-041-0006-001	S-041	TAL Metals			09:15	1	8 Oz. Jar	4 C	N
	S-041-0006-001	S-041	Percent Moisture			09:15	1	2 Oz. Jar	4 C	N
	S-042-0006-001	S-042	TCL VOCs			09:25	3	5 gram - Encore	4 C	N
	S-042-0006-001	S-042	TCL SVOCs			09:25	1	8 Oz. Jar	4 C	N
	S-042-0006-001	S-042	TAL Metals			09:25	1	8 Oz. Jar	4 C	N
	S-042-0006-001	S-042	Percent Moisture			09:25	1	2 Oz. Jar	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

[illegible]

Lab: SERAS
Lab Address: 2890 Woodbridge Avenue
Lab Contact: Vinod Kansal

Site #: A209
Joel Siegel
(732) 570-502

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	S-043-0006-001	S-043	TCL VOCs	Soll	8/24/2011	09:10	3	5 gram - Encore	4 C	N
	S-043-0006-001	S-043	TCL SVOCS	Soll	8/24/2011	09:10	1	8 Oz. Jar	4 C	N
	S-043-0006-001	S-043	TAL Metals	Soll	8/24/2011	09:10	1	8 Oz. Jar	4 C	N
	S-043-0006-001	S-043	Percent Moisture	Soll	8/24/2011	09:10	1	2 Oz. Jar	4 C	N
	SD-001-001	SD-001	TCL VOCs	Soll	8/24/2011	10:55	3	5 gram - Encore	4 C	N
	SD-001-001	SD-001	TCL SVOCS	Soll	8/24/2011	10:55	1	8 Oz. Jar	4 C	N
	SD-001-001	SD-001	TAL Metals	Soll	8/24/2011	10:55	1	8 Oz. Jar	4 C	N
	SD-001-001	SD-001	Percent Moisture	Soll	8/24/2011	10:55	1	2 Oz. Jar	4 C	N
	SD-002-001	SD-002	TCL VOCs	Soll	8/24/2011	10:45	3	5 gram - Encore	4 C	N
	SD-002-001	SD-002	TCL SVOCS	Soll	8/24/2011	10:45	1	8 Oz. Jar	4 C	N
	SD-002-001	SD-002	TAL Metals	Soll	8/24/2011	10:45	1	8 Oz. Jar	4 C	N
	SD-002-001	SD-002	Percent Moisture	Soll	8/24/2011	10:45	1	2 Oz. Jar	4 C	N
	SD-003-001	SD-003	TCL VOCs	Soll	8/24/2011	10:36	3	5 gram - Encore	4 C	N
	SD-003-001	SD-003	TCL SVOCS	Soll	8/24/2011	10:36	1	8 Oz. Jar	4 C	N
	SD-003-001	SD-003	TAL Metals	Soll	8/24/2011	10:36	1	8 Oz. Jar	4 C	N
	SD-003-001	SD-003	Percent Moisture	Soll	8/24/2011	10:36	1	2 Oz. Jar	4 C	N

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Weston Solutions, Inc.

CHAIN OF CUSTODY RECORD

No: 2-082411-083824-0004

Site #: A209

Lab: SERAS

DateShipped:

Delivered to Lab 8/24/11

Joel Siegel

(732) 570-5022

Lab Contact: Vinod Kansal

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	SD-004-001	SD-004	TCL VOCs	Soil	8/24/2011	10:15	3	5 gram - Encore	4 C	N
	SD-004-001	SD-004	TCL SVOCs	Soil	8/24/2011	10:15	1	8 Oz. Jar	4 C	N
	SD-004-001	SD-004	TAL Metals	Soil	8/24/2011	10:15	1	8 Oz. Jar	4 C	N
	SD-004-001	SD-004	Percent Moisture	Soil	8/24/2011	10:15	1	2 Oz. Jar	4 C	N
	SD-005-001	SD-005	TCL VOCs	Soil	8/24/2011	10:10	3	5 gram - Encore	4 C	N
	SD-005-001	SD-005	TCL SVOCs	Soil	8/24/2011	10:10	1	8 Oz. Jar	4 C	N
	SD-005-001	SD-005	TAL Metals	Soil	8/24/2011	10:10	1	8 Oz. Jar	4 C	N
	SD-005-001	SD-005	Percent Moisture	Soil	8/24/2011	10:10	1	2 Oz. Jar	4 C	N
	SEEP-01	SEEP-01	TCL VOCs	Ground Water	8/24/2011	10:10	9	3 40-ml VOA	HCl	Y
	SEEP-01	SEEP-01	TCL SVOCs	Ground Water	8/24/2011	10:10	6	Amber Liter	4 C	Y
	SEEP-01	SEEP-01	TAL Metals	Ground Water	8/24/2011	10:10	3	1 Liter Poly	HNO3 pH<2	Y
	TB082411	Trip Blank	TCL VOCs	Water	8/24/2011	11:50	3	3 40-ml VOA	HCl	N
	TP-014	TP-014	TCL VOCs	Soil	8/24/2011	10:20	3	5 gram - Encore	4 C	N
	TP-014	TP-014	TCL SVOCs	Soil	8/24/2011	10:20	1	8 Oz. Jar	4 C	N
	TP-014	TP-014	TAL Metals	Soil	8/24/2011	10:20	1	8 Oz. Jar	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

[illegible]

Weston Solutions, Inc.

DateShipped:

Delivered to Lab 8/24/11

CHAIN OF CUSTODY RECORD

Site #: A209

Joel Siegel

(732) 570-5022

No: 2-082411-083824-0004

Lab: SERAS

Lab Address: 2890 Woodbridge Avenue

Lab Contact: Vinod Kansal

[illegible]

Special Instructions:	SAMPLES TRANSFERRED FROM	CHAIN OF CUSTODY #

[illegible]

From Please print and press hard.
 Date 8/23/11 Sender's FedEx Account Number 402356103
 Sender's Name Joel Siegel Phone (732) 570-5022
 Company Weston Solutions, Inc.
 Address 1090 King Georges Post Rd
 City Edison State NJ ZIP 08837

2 Your Internal Billing Reference
 First 24 characters will appear on invoice. 20401. 135.024.5010

3 To Recipient's Name Larry Martin Phone (732) 321-4245
 Company SERAS / Lockheed Martin
 Address 2890 Woodbridge Ave
 City Edison State NJ ZIP 08837

Ship and track packages at fedex.com
 Simplify your shipping. Manage your account. Access all the tools you need.

4a Express Package Service
☒ FedEx Priority Overnight
☐ FedEx Standard Overnight
☐ FedEx Express Saver
☐ FedEx First Overnight
☐ FedEx 2Day
☐ FedEx 3Day Freight

4b Express Freight Service
☐ FedEx 1Day Freight
☐ FedEx 2Day Freight
☐ FedEx 3Day Freight

5 Packaging
☐ FedEx Envelope*
☐ FedEx Pak*
☐ FedEx Box
☐ FedEx Tube
☒ Other

6 Special Handling and Delivery Signature Options
☐ SATURDAY Delivery
☐ No Signature Required
☐ Direct Signature
☐ Indirect Signature
 Does this shipment contain dangerous goods?
☒ No
☐ Yes
☐ Dry Ice
☐ Cargo Aircraft Only

7 Payment Bill to:
☒ Recipient
☐ Third Party
☐ Credit Card
☐ Cash/Check
 Total Packages 3 Total Weight 178 lbs. Total Declared Value \$ 606

Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.
 Rev. Date 2/10 • Part #15281 • ©1994-2010 FedEx • PRINTED IN U.S.A. SRY

From Please print and press hard.
 Date 8/22/11 Sender's FedEx Account Number 402356103
 Sender's Name Joel Siegel Phone (732) 585-4400
 Company Weston Solutions
 Address 1090 King Georges Post Rd Suite 201
 City Edison State NJ ZIP 08837

2 Your Internal Billing Reference
 First 24 characters will appear on invoice. 20401. 024.135.5010

3 To Recipient's Name Vinod Kansal Phone (732) 321-4245
 Company Senas / Lockheed Martin
 Address 2890 Woodbridge Ave
 City Edison State NJ ZIP 08837

Ship on the go at mobile.fedex.com

4a Express Package Service
☒ FedEx Priority Overnight
☐ FedEx Standard Overnight
☐ FedEx Express Saver
☐ FedEx First Overnight
☐ FedEx 2Day
☐ FedEx 3Day Freight

4b Express Freight Service
☐ FedEx 1Day Freight
☐ FedEx 2Day Freight
☐ FedEx 3Day Freight

5 Packaging
☐ FedEx Envelope*
☐ FedEx Pak*
☐ FedEx Box
☐ FedEx Tube
☒ Other

6 Special Handling and Delivery Signature Options
☐ SATURDAY Delivery
☐ No Signature Required
☐ Direct Signature
☐ Indirect Signature
 Does this shipment contain dangerous goods?
☒ No
☐ Yes
☐ Dry Ice
☐ Cargo Aircraft Only

7 Payment Bill to:
☒ Recipient
☐ Third Party
☐ Credit Card
☐ Cash/Check
 Total Packages 3 Total Weight 170 lbs. Total Declared Value \$ 606

Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

ATTACHMENT D

Site Photographic Documentation Log

**Readburn Wood Tar Site
Site Photographic Documentation Log**



Photograph 1: View of subcontractor clearing Site of overgrown weeds and grass.



Photograph 2: View of subcontractor clearing location for underground utilities.