Superfund Records Center
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FINAL SITE INSPECTION REPORT
FOR
LEEDS METAL
SITE INSPECTION
LEEDS, MAINE

Prepared For:
U.S. Environmental Protection Agency
Region I
Office of Site Remediation and Restoration
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ACRONYM/ABBREVIATIONS LIST

%	Percent
1,1-DCA	1,1-Dichloroethane
1,1-DCE	1,1-Dichloroethene
1,1,1-TCA	1,1,1-Trichloroethane
Alpha Analytical	Alpha Analytical Laboratories
bgs	Below Ground Surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
cfs	Cubic Feet Per Second
Cis-1,2-DCE	Cis-1,2-dichloroethene
CLP	Contract Laboratory Program
CO	Carbon Monoxide
CRQL	Contract Required Quantitation Limit
CWA	Clean Water Act
DRO	Diesel Range Organics
EPA	U.S. Environmental Protection Agency
ERM	Environmental Resource Management
FID	Flame Ionization Detector
GIS	Geographic Information Systems
GPS	Global Positioning System
GRO	Gasoline Range Organics
H_2S	Hydrogen Sulfide
LEL	Lower Explosive Limit
MA	Massachusetts
MCL	Maximum Contaminant Level
MCRC	Maine Central Railroad Company
MDL	Method Detection Limit
ME	Maine
ME DEP	Maine Department of Environmental Protection
ME DHS	Maine Department of Human Services
MEG	Maximum Exposure Guidelines
ME GIS	Maine Office of Geographical Information Systems
MEK	Methyl Ethyl Ketone
µg/Kg	Micrograms Per Kilogram
µg/L	Micrograms Per Liter
mg/Kg	Milligrams Per Kilogram
mg/L	Milligrams Per Liter
mi^2	Square Miles
No.	Number
NOAA	National Oceanic and Atmospheric Administration
O_2	Oxygen
OEME	Office of Environmental Measurement and Evaluation
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene
PEL	Probable Effects Level

ACRONYM/ABBREVIATIONS LIST (Concluded)

PID	Photoionization Detector
ppb	Parts Per Billion
PPE	Probable Point of Entry
ppm	Parts Per Million
PVC	Polyvinyl Chloride
PWS ID	Public Water System Identification
QAPP	Quality Assurance Project Plan
RAG	Remedial Action Guidelines
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
RL	Reporting Limit
Roux	Roux Associates, Inc.
SQuiRT	Screening Quick Reference Table
START	Superfund Technical Assessment and Response Team III
SVOC	Semivolatile Organic Compounds
SWP	Surface Water Pathway
TCE	Trichloroethene
TEL	Threshold Effects Levels
TPH	Total Petroleum Hydrocarbons
Trans-1,2-DCE	Trans-1,2-dichloroethene
USDA	United States Department of Agriculture
USGS	United States Geologic Survey
VOC	Volatile Organic Compound
XRF	X-Ray Fluorescence

Draft Site Inspection Report
Leeds Metal
Leeds, Maine

CERCLIS No.: MEN000103584
State ID No.: REM00577
TDD No.: 09-05-0004
Work Order No.: 20114-061-998-0547-50

INTRODUCTION

The Weston Solutions, Inc., Superfund Technical Assessment and Response Team III (START) was requested by the U.S. Environmental Protection Agency (EPA) Region I, Office of Site Remediation and Restoration to perform a Site Inspection of the Leeds Metal property located along Blue Rock Road in Leeds, Androscoggin County, Maine (ME). Tasks were conducted in accordance with the Site Inspection scope of work and technical specifications provided by EPA Region I.

On 2 June 1983 and 30 April 1987, Maine Department of Environmental Protection (ME DEP) personnel responded to complaints of drums and transformers at the Leeds Metal property [Complaint Nos. P-10-83 and A/158/87] [55; 56]. Based on a Site Discovery, completed 21 May 1998, the property owner, Maine Central Railroad Company under the corporation of Guilford Railroad, began investigations into contamination located on the property. Subsequent sampling indicated the presence of chlorinated volatile organic compounds (VOCs) in groundwater and drinking water. Based on sampling of on-site soils, on-site and off-site sediments, on-site groundwater, and off-site drinking water, EPA initiated the Site Inspection of the Leeds Metal property to identify potential source areas associated within the property; to identify and investigate potential impacts to groundwater and nearby private drinking water supply wells; and to identify and investigate potential impacts to sediment in overland surface water pathways.

Background information used in the generation of this report was obtained through file searches conducted at EPA Region I and ME DEP, telephone interviews with town officials, conversations with persons knowledgeable of the Leeds Metal property, and conversations with other Federal, State, and local agencies.

This package follows the guidelines developed under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended, commonly referred to as Superfund. However, these documents do not necessarily fulfill the requirements of other EPA Region I regulations such as those under the Resource Conservation and Recovery Act (RCRA) or other Federal, State, or local regulations. Site Inspections are intended to provide a preliminary screening of sites to facilitate EPA Region I's assignment of site priorities. They are limited efforts and are not intended to supersede more detailed investigations.

The street address, coordinates, and contaminant locations presented in this Site Inspection report identify the general area in which the site is located. They represent one or more locations EPA considers to be part of the site based upon the screening information collected or generated in the course of this or previous investigation(s). The EPA Site Assessment Program is designed to identify "releases or threats of releases" of hazardous substances, and the focus of this investigation is on the release(s) or potential release(s), rather than precisely delineated site boundaries. A site is defined under the EPA Site Assessment program as where a hazardous substance has been "deposited, stored, placed, or otherwise come to be located." EPA anticipates that the preliminary description of site boundaries will be refined as more information is developed regarding where the contamination has come to be located.

SITE DESCRIPTION

The Leeds Metal property is located along Blue Rock Road in Leeds, Androscoggin County, Maine (ME) [1; 3-6]. The geographic coordinates of the property, as measured from its approximate center, are 44° 14′ 14.1″ north latitude and 70° 04′ 53.6″ west longitude [1-2]. The Leeds Metal property is depicted on the Town of Leeds Tax Assessor's Map Number (No.) 4, as Lot No. 38 (Figure 1) [5-6]. According to the Town of Leeds Tax Assessor's office, the 36-acre property is currently owned by Maine Central Railroad Guilford Transportation Industries, Inc., which was rebranded under the name of Pan Am Railways in March 2006 [5; 48]. According to previous reports, from approximately 1969 to 1984, scrap metal recovery processes were conducted on the property by various entities [53]. In addition, available file information indicates that cast concrete manufacturing took place on the northwestern portion of the property during an unspecified time period [51; 74].

As of the March 2010 reconnaissance and the November to December 2010 on-site sampling events, the eastern and southern portions of the Leeds Metal property were sparsely vegetated and contained car shredding waste both on the ground surface and in piles. A former building foundation and operations area were observed along the eastern property boundary, adjacent to railroad tracks. The northern and western portions of the property were observed to be wooded, and contained two lagoon areas and an area of concrete disposal. The property is bordered to the south by a wooded area, a wetland, and residential properties; to the west by ME Route 106 and residential properties; to the north by a former concrete manufacturing building and gravel storage area; and to the east by a railroad track and wooded area. The Leeds Metal property is located in a mixed residential/industrial area, adjacent to former industrial areas (a former concrete manufacturer and a gravel quarry) located to the north and northeast (Figure 2) [1, pp. 2-15].

On 16 March 2010, as part of an EPA Site Assessment Program Combined Preliminary Assessment/Site Inspection, EPA, ME DEP, and START personnel conducted an on-site reconnaissance of the Leeds Metal property. START personnel conducted ambient air monitoring during the on-site reconnaissance with a MultiRAE meter [with carbon monoxide (CO), hydrogen sulfide (H_2S), lower explosive limit (LEL), oxygen (O_2), and VOC sensors] and a Ludlum Model 19A radiation meter. Air monitoring readings above background levels were not encountered during the on-site reconnaissance [1, pp. 2-14].

During the on-site reconnaissance, START personnel observed the battery drop area along the northern portion of the property, which ME DEP representative Kathy Howatt explained was formerly used as a staging area for the batteries of scrap cars brought onto the property. In the northern portion of the property, START observed an access road oriented north-south. Along the access road, various debris, including 55-gallon steel drums, were observed. Several drums were observed within an approximately 12-foot-deep depression located east of the access road. ME DEP representative Howatt explained that the Leeds Metal property was originally utilized as a sand and gravel quarry, which was most likely the cause of the depression [1].

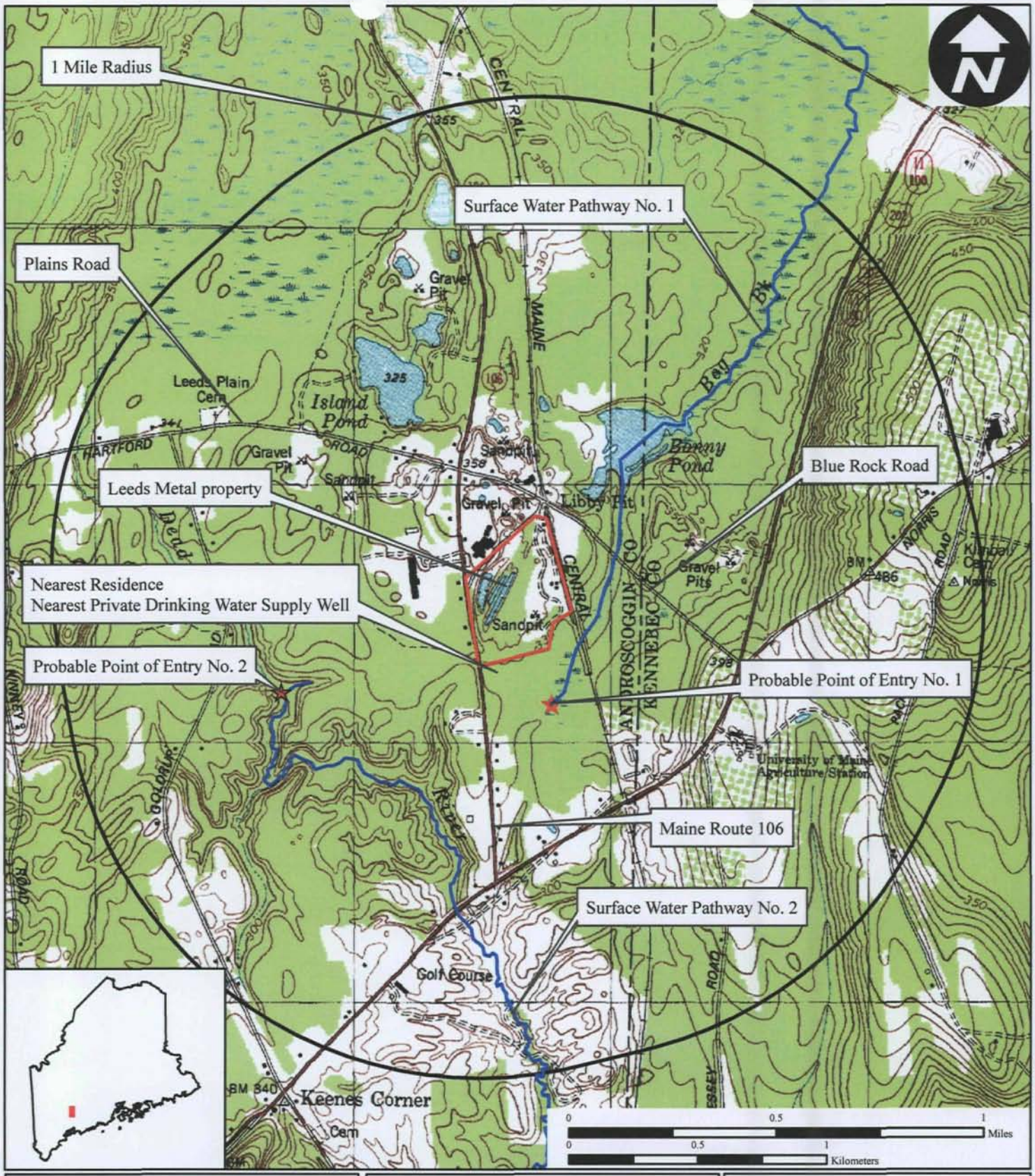

Figure 1

Site Location Map

Leeds Metal
Along Blue Rock Road
Leeds, Maine

EPA Region I
Superfund Technical Assessment and Response Team (START) III
Contract No. EP-W-05-042

TDD Number:	09-05-0004
Created by:	G. Hornok
Created on:	16 August 2010
Modified by:	G. Hornok
Modified on:	19 August 2011

Data Sources:
Topos: MicroPath/USGS
Quadrangle Name(s): Wayne and Monmouth, ME
All other data: START

WESTON SOLUTIONS
Restoring Resource Efficiency

Figure 2

Site Map

Leeds Metal
Along Blue Rock Road
Leeds, Maine

EPA Region I
Superfund Technical Assessment and Response Team (START) III
Contract No. EP-W-05-042

TDD Number:	09-05-0004
Created by:	G. Hornok
Created on:	16 August 2010
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Modified on:	19 August 2011

LEGEND

- **Property**
- **Monitoring Wells**
- **Abandoned Drum Area**
- **Debris Piles**
- **Former Operations Area**
- **Container Disposal Area**
- **Lagoons**
- **Battery Drop Area**
- **Wetland**
- **Access Road**
- **Concrete Disposal Area**

*Debris Pile A aerial extent based on on-site observations.

N

0 50 100 200 300 400 500 600 Feet

Data Sources:
Imagery: ME GIS Spring 2003 Orthoimagery
All other data: START

WESTON SOLUTIONS
Restoring Resource Efficiency

During the on-site reconnaissance, START personnel observed Debris Pile B [as designated in the March 2006 Environmental Resource Management (ERM) Debris Pile Evaluation report], which was located adjacent to the southeastern property boundary, south of the depression. Debris Pile B was observed to extend approximately 28 feet above the ground surface, with a partially level surface. The surface of Debris Pile B sloped gently east to west. The maximum height of Debris Pile B was observed along the western portion of the pile. START personnel observed that Debris Pile B contained various plastic, metal, and rubber debris. Trees and small bushes were observed along the top surface and the slopes of the debris pile. The southern portion of Debris Pile B appeared to have been excavated, and did not appear to be consistent with the adjacent slopes of the pile [1, pp. 5-6].

START personnel observed Debris Pile C, located west of Debris Pile B, across the site access road. START observed that Debris Pile C was smaller than Debris Pile B and was topped by small trees. The top of Debris Pile C sloped more steeply than Debris Pile B and was oriented east to west. The highest point (western side) of Debris Pile C was observed to be approximately 20 feet above the ground surface. START personnel observed various plastic, metal, and rubber debris on and within the pile [1, p. 6].

START personnel observed Debris Pile D, located south of Debris Pile C, in the south-central portion of the property. Debris Pile D was observed to be oriented east-west. The northern, southern, and western faces of Debris Pile D were observed to be steeply sloped. START estimated that the western portion of Debris Pile D was approximately 44 feet above the ground surface, and the eastern (shorter) side was approximately 29 feet above the ground surface. The top portion of Debris Pile D was observed to be steeply sloped. Debris Pile D was observed to be sparsely vegetated (one tree was observed on the surface). Various plastic, metal, and rubber were observed throughout the pile. Along the northern toe slope of the pile, START personnel observed an area where elevated concentrations of tetrachloroethene [also known as tetrachloroethylene or perchloroethene (PCE)] were detected in soil during the 2009 EPA Removal Program Preliminary Assessment/Site Investigation. START personnel also observed groundwater monitoring wells ERM-4S (a shallow well) and ERM-4D (a deep well) adjacent to (west of) Debris Pile D. In addition, START personnel observed an on-site pond located north of Debris Pile C [1, pp. 6-7].

START personnel observed the southwestern portion of the property. Adjacent to Debris Pile D, START personnel observed a sparsely vegetated area (west and southwest of the pile) with scattered surficial debris. A wooded area was observed in the southwestern portion of the property. Mounded areas oriented north-to-south were observed within the wooded area. An access road was observed oriented north/south from the area adjacent to (west of) Debris Pile D toward a residential property (Town of Leeds Tax Assessor's Map No. 4, Lot No. 39) to the south. In the middle of the access road, START personnel observed groundwater monitoring wells ERM-3S (a shallow well) and ERM-3D (a deep well). In addition, multiple 55-gallon steel drums were observed on the ground surface in the wooded area, adjacent to the groundwater monitoring wells [1, pp. 7-8].

START personnel observed the southern property boundary, within a wooded area. Within the wooded area, adjacent to the property boundary, extending from the southern portion of Debris Pile D to the area adjacent to the railroad tracks, START personnel observed various types of debris, including rusted 55-gallon drums. In addition, START personnel observed groundwater monitoring wells located along the south-southeastern property boundary (ERM-1S, ERM-1D, ERM-2S, and ERM-2D) [1, p. 7].

START personnel observed the area east of Debris Pile B, which was relatively flat with little vegetation. Various rubber, plastic, and metal debris was observed in this area. Also within the flat area east of Debris Pile B, START personnel observed a concrete pad with attached metal supports. ME DEP representative Howatt stated that the concrete pad area was the location utilized for the diesel locomotive engines used to power the car shredder that operated on site. An area of blue-stained soil was observed within the concrete pad area. In addition, START observed the eastern boundary of the property, along the railroad tracks [1, pp. 8-9].

START personnel observed the wooded area south of the open on-site operations area. Within this wooded area, START personnel observed numerous 55-gallon drums. In addition, START personnel observed various locations among the discarded drums where samples were collected during the 2009 EPA Removal Program Preliminary Assessment/Site Investigation. START personnel noted that from the southern property boundary, the wooded area sloped downward and southward toward a wetland area. ME DEP representative Howatt noted that based on previous investigations, it was believed that debris did not extend into the wooded area located south of the property [1, pp. 12-13].

During the on-site reconnaissance, START personnel observed the railroad tracks southeast of the Leeds Metal property. Adjacent to the railroad tracks, START personnel observed the wooded area directly south of the southeastern corner of the property as well as the wetland/marsh area south of the property. According to the Monmouth, ME United States Geologic Survey (USGS) quadrangle, a perennial stream flows from this wetland area, to the east of the railroad tracks, and continues northeast along the surface water pathway. START did not observe a culvert beneath the railroad bed; however, START observed water along the east side of the railroad bed, which was flowing to the northeast. In addition, START personnel observed an apparent beaver lodge at the western end of the wetland area located south of the property. In addition, START noted evidence of beaver activity along the southern property boundary (chewed tree stumps, *etc.*) [1, pp. 9-10].

START personnel observed a concrete pad and a concrete structure located along the eastern property boundary. The concrete structure was observed to be filled with debris and to lack an intact roof. Adjacent to (south of) the concrete building, START personnel observed Debris Pile A. Debris Pile A did not appear elevated, but appeared to consist of a filled portion of the depression observed previously during the on-site reconnaissance. The material which constituted Debris Pile A was consistent with the other debris piles, and included rubber, plastic, and metal debris [1, pp. 10-11].

START personnel observed an open septic tank area (as designated on an ERM site diagram), located along the eastern-central property boundary. The tank appeared to be concrete and was filled with water. In addition, START personnel observed railroad bridge abutments along the eastern property boundary, which spanned the depression area observed earlier [1, p. 11].

During the on-site reconnaissance, START personnel observed the northwestern portion of the property. START personnel observed two lagoons, each containing water, oriented northeast to southwest. At the southwestern end of the southern lagoon, START personnel observed a submerged 55-gallon steel drum. START was unable to determine the contents or condition of the submerged drum. On the northwestern corner of the property, START personnel observed a wetland area, numerous pieces of concrete pipe, and other casted concrete debris. START observed that this area of concrete disposal extended along the northwestern property boundary,

and extended approximately 100 to 125 feet onto the Leeds Metal property [1, p. 15]. Southeast of the lagoons, START personnel observed narrow strips of disturbed soil, possibly former trenches, which appeared to have been filled in with soil. Along the western property boundary, southwest of the lagoons, START personnel observed a disposal area containing various metal containers (with labels denoting former contents of motor oil, brake fluid, antifreeze, *etc.*) and bottles. This container disposal area was located adjacent to the embankment bordering the eastern side of ME Route 106 [1, pp. 12-13].

During the on-site reconnaissance, START personnel observed an area previously used for the storage of car batteries removed from cars brought on site for shredding. This battery drop area was observed on the northern portion of the property, adjacent to the parking area, and was approximately 75-ft long and 50-ft wide. During sampling conducted as part of the EPA Removal Program Preliminary Assessment/Site Investigation, analytical results of surface soil samples collected from this area indicated elevated concentrations of lead [1, p. 15].

START personnel observed a tributary/stream, which originated on the eastern side of the railroad tracks, southeast of the property, and flowed northeast into a small ponded area southeast of Blue Rock Road. Discharge from the small ponded area was observed to flow through a culvert under Blue Rock Road, which channeled the water to flow northeast toward Bonny Pond. START personnel also observed residential properties located south and southwest of the Leeds Metal property. ME DEP representative Howatt stated that drinking water sampling had been conducted previously at some of these residences. START personnel also noted a large warehouse building located east-northeast of the property, as well as a non-operational manufacturing building adjacent to the northwestern property boundary [1, pp. 13-14].

As part of the on-site reconnaissance, START personnel photodocumented and recorded global positioning system (GPS) data for pertinent site features, including potential source areas [1, p. 13].

As part of the on-site sampling event conducted from 8 November to 2 December 2010, START personnel made additional observations to supplement observations made during the March 2010 on-site reconnaissance. During the on-site sampling event, START personnel observed two monitoring wells (RX-2S and RX-3S) installed as part of the Roux Associates, Inc. (Roux) investigation on the northern portion of the property. In addition, START personnel observed what appeared to be a high-volume production well along the northern property boundary, which appeared to be part of previous operations of the concrete manufacturing facility located adjacent (north) of the property. START personnel observed evidence of hunting as well as recreational vehicle usage on the Leeds Metal property. During interviews, local residents indicated that the property was frequently used by hikers and hunters [117, p. 10].

OPERATIONAL AND REGULATORY HISTORY AND WASTE CHARACTERISTICS

Available file information indicates that in the mid-to-late 1800s, portions of the Leeds Metal property were purchased by the Maine Central Railroad Company (MCRC) and Androscoggin Railroad Company [6; 36; 51; 54]. The Androscoggin Railroad Company was chartered in Maine in 1848, and the MCRC was chartered in 1856. The Androscoggin Railroad Company was acquired by MCRC in 1911 [37-38]. Historical operations on the property prior to 10 August 1955 are unknown to START. In August 1955, Leeds Sand and Gravel leased an unspecified portion of the property [39]. On 17 May 1956, MCRC entered into a lease agreement with Bancroft & Martin Rolling Mills Company for an unspecified portion of the

Leeds Metal property [40]. The lease with Bancroft & Martin Rolling Mills Company was subsequently extended on 1 August 1962 for a period of 10 years, until 1 August 1972 [40-41]. On 1 February 1969, MCRC entered into a lease agreement with National Metal Converters, Inc. for use of an unspecified portion of the Leeds Metal property [42; 50]. Available file information indicates that beginning in 1969, shredding of junk cars took place on a portion of the property [50; 52-53]. On 28 February 1976, National Metal Converters, Inc.'s interests at the Leeds Metal property were transferred to Michael Schiavone & Sons, Inc. [43]. This lease transfer also included the scrap metal processing equipment already present on the property [43, pp. 54-57].

On 1 August 1978, the Bancroft & Martin Rolling Mills Company interest on a portion of the property was transferred to Doran-Maine, Inc. [44]. On 20 July 1979, Leeds Metal, Inc. acquired all interests of Michael Schiavone & Sons, Inc. at the Leeds Metal property [45]. On 15 February 1980, MCRC entered into a lease agreement with Leeds Metal, Inc. [46]. Sometime during 1980, MCRC was purchased by the U.S. Filter Corporation [47-48]. On 16 June 1981, the U.S. Filter Corporation sold MCRC to Guilford Transportation Industries [47-48]. File information does not indicate when Leeds Metal, Inc. ceased operations on the property. On 9 May 1984, William Morgan established a lease agreement with Guilford Transportation Industries (formerly MCRC) for use of a portion of the property for 5 months to salvage materials associated with the previous car shredding operations [49]. In March 2006, Guilford Transportation Industries was renamed Pan Am Railways, which is the current owner of the property [5; 48].

On 2 June 1983, ME DEP personnel responded to a complaint of leaking drums and transformers at the Leeds Metal property [Complaint No. P-978-83]. ME DEP personnel performed an on-site reconnaissance, and noted the presence of five transformers and 27 drums that appeared to contain hazardous materials. In addition, as part of the investigation, ME DEP personnel collected two soil samples, one of soil around a leaking transformer and one of soil around a leaking drum. The samples were submitted to the ME DEP Laboratory Services Section for polychlorinated biphenyl (PCB) analysis. Analytical results of the soil samples indicated the presence of two PCBs (Aroclor-1248 and Aroclor-1260) in both of the soil samples at concentrations above method detection limits (MDLs) [55]. Analytical results of the 2 June 1983 ME DEP sampling event will be discussed in greater detail in the Source Evaluation and Soil Exposure Pathway sections of this report.

On 30 June 1983, in response to Complaint No. P-10-83, ME DEP personnel mobilized to the Leeds Metal property to collect 13 drum samples and one sludge sample from a lagoon located on the eastern-central portion of the property. Analytical results of the sludge sample indicated the presence of Aroclor-1260 above the MDL. The results of the 30 June 1983 ME DEP sampling event will be discussed in greater detail in the Waste/Source Sampling section of this evaluation [55]. Analytical results of the 30 June 1983 sampling event were relayed to the property owner (Guilford Transportation Industries). Notes associated with Complaint No. P-978-83 indicated that the property owner was in the process of securing the drums and transformers [55].

On 30 April 1987, ME DEP personnel responded to a complaint of abandoned drums at the Leeds Metal property (Complaint No. A/158/87). The ME DEP investigator, who was also involved in the June 1983 complaint, indicated that the on-site drums had not yet been disposed of. In response to the complaint, the property owner contracted Seacoast Ocean Services to remove a total of 19 drums from the property [56].

On 21 May 1998, ME DEP completed a Site Discovery for the Leeds Metal property. On 24 October 1997, as part of the Site Discovery, ME DEP personnel collected surface soil samples to determine if a release of hazardous substances to on-site soils had occurred. A total of 15 soil samples were collected from locations of suspected major material reclamation on the property. These locations were determined through analysis of aerial photographs. All soil samples were collected from a depth of 2 to 8 inches below ground surface (bgs) and submitted to the Maine Health and Environmental Testing Laboratory for PCB, metals, diesel range organics (DRO), and total petroleum hydrocarbons (TPH) analyses [57, pp. 1-3, Appendix A]. No background samples were collected as part of the ME DEP Site Discovery investigation. Analytical results of surface soil samples indicated the presence of PCBs, metals, DRO, and TPH at concentrations above laboratory reporting limits (RLs) [57]. Analytical results of the 1998 soil samples will be discussed in greater detail in the Waste/Source Sampling and Soil Exposure Pathway sections of this report.

As a result of the ME DEP Site Discovery surface soil sampling and documented contamination, the property owner initiated investigations of the property under guidance from ME DEP [82].

On 17 and 18 September 1998, ERM, on behalf of MCRC, installed 11 temporary groundwater monitoring wells at various locations throughout the Leeds Metal property. The temporary groundwater monitoring wells were installed to evaluate on-site groundwater flow direction, as well as groundwater quality in relation to documented soil contamination. A groundwater elevation survey of the installed wells indicated that the depth to groundwater on the property ranged from 5.5 to 22.0 feet bgs, and that groundwater flow beneath the property was from north to south. Eleven groundwater samples were collected from the newly installed wells and submitted to Alpha Analytical Laboratories (Alpha Analytical) for VOC, PCB, total Resource Conservation and Recovery Act (RCRA) 8 metals, and TPH analyses. Analytical results of the groundwater samples indicated the presence of one VOC (PCE) and four RCRA 8 metals at concentrations above laboratory detection limits [67]. Analytical results of the 1998 ERM sampling event will be discussed in greater detail in the Groundwater Pathway section of this report.

On 1 through 3 November 1999, on behalf of MCRC, ERM installed nine overburden groundwater monitoring wells on the Leeds Metal property. Eight of the groundwater monitoring wells were installed as shallow and deep couplets, while the ninth groundwater monitoring well was installed as a shallow well. On 18 November 1999, ERM conducted a groundwater elevation survey of the newly installed wells, and noted that groundwater flow was predominately from the southeast to the northwest. In addition, on 18 and 19 November 1999, ERM collected 10 groundwater samples, including one field duplicate, from the nine wells installed on the property. The groundwater samples were submitted to Alpha Analytical for VOC, dissolved RCRA 8 metals, and total RCRA 8 metals analyses; and to the Binax+nel laboratory for DRO analysis. Analytical results of the groundwater samples indicated the presence of two VOCs (including PCE), one dissolved RCRA 8 metal, and one total RCRA 8 metal [68]. Analytical results of the 1999 ERM sampling event will be discussed in greater detail in the Groundwater Pathway section of this report.

Due to on-site groundwater sampling results from the previous investigations, which indicated the presence of chlorinated solvents in groundwater on the Leeds Metal property, ME DEP initiated an inventory of downgradient local drinking water supply wells in anticipation of collecting drinking water samples [58]. Between February 2000 and December 2005, ME DEP

personnel collected drinking water samples from residential drinking water supply wells located south and southwest of the Leeds Metal property [59-60; 62-64; 66; 70-73]. The drinking water samples were submitted to the State of Maine Health and Environmental Testing Laboratory for VOC analysis. Analytical results of the ME DEP drinking water samples collected during this time period indicated the presence of several VOCs above MDLs, including cis-1,2-dichloroethene (cis-1,2-DCE), PCE, and trichloroethene (TCE). None of the VOCs detected in ME DEP drinking water samples were detected at concentrations above ME DEP Maximum Exposure Guidelines (MEGs) or EPA Maximum Contaminant Levels (MCLs) for drinking water [26-27; 59; 60; 62-64; 66; 70-73]. Analytical results of all ME DEP drinking water samples will be discussed in greater detail in the Groundwater Pathway section of this report.

In March 2003, as part of the investigation of past industrial practices at the Leeds Metal property, ME DEP personnel interviewed the former fire chief of the Town of Leeds, ME, Mr. Francis Andre. Mr. Andre stated that cars were transported to the property via trucks for "shredding". He also stated that within an on-site cement building, lead batteries and other auto parts were cleaned for resale. Mr. Andre also stated that metal from the shredded cars was salvaged (sent off site via railroad), while the non-ferrous parts were staged in former gravel excavation pits. He also stated that such materials as "gasoline, diesel, transformer oil, brake fluid, oils, battery acid, and antifreeze" were dumped on the ground and that approximately 100 "barrels" were staged along the southern property boundary. Mr. Andre recalled responding to fires at the property during which gasoline tanks and saturated soil would ignite [61].

On 28 September 2000, ME DEP designated the Leeds Metal property as an Uncontrolled Hazardous Substance Site based on previous investigations and site history [65].

From 27 through 29 November 2000, on behalf of MCRC, ERM conducted a Shallow Groundwater Investigation at the Leeds Metal property. As part of the investigation, temporary well points were installed and sampled throughout locations on the property to further delineate VOC contamination in the overburden groundwater. Samples collected from the temporary well points were screened on site for chlorinated VOCs. Analytical screening results indicated the presence of one VOC (PCE) above screening detection limits in samples collected from four of the temporary well points [69]. Analytical results of the 2000 ERM groundwater sampling event will be discussed in greater detail in the Groundwater Pathway section of this report.

On 27 November 2000, as part of the Shallow Groundwater Investigation, ERM collected sediment and surface water samples from three locations on and around the Leeds Metal property. Sediment and surface water samples were collected from the following locations: the on-site pond located in the central portion of the property; the lagoon areas located toward the northwestern portion of the property; and the wetland area located south of the Leeds Metal property. All sediment and surface water samples were submitted to Alpha Analytical for VOC, PCB, total RCRA 8 metals, and DRO analyses. Analytical results of the sediment samples indicated the presence of two VOCs (including PCE), one PCB, five total RCRA 8 metals, and DRO above laboratory RLs. Analytical results of the surface water samples indicated the presence of one VOC and five total RCRA 8 metals above laboratory RLs [69]. Analytical results of the 2000 ERM sediment and surface water sampling event will be discussed in greater detail in the Surface Water Pathway section of this report.

On 29 November 2000, ME DEP personnel, as part of the ERM Shallow Groundwater Investigation, collected five groundwater samples from the wells installed on the Leeds Metal property in November 1999. The groundwater samples were collected from three of the shallow

wells and two of the deep wells, and submitted to the State of Maine Health and Environmental Testing Laboratory for VOC analysis. Analytical results indicated the presence of two VOCs above MDLs, which included PCE [69]. Analytical results of the 2000 ERM groundwater sampling event will be discussed in greater detail in the Groundwater Pathway section of this report.

On 17 June 2004, Roux completed a targeted environmental investigation of the northwestern portion of the Leeds Metal property. The purpose of the investigation was to determine if hazardous substances were present on the northwestern portion of the property due to filling activities allegedly conducted by an adjacent business (Rinker Industries). As part of the investigation, Roux completed three soil borings down to 15 feet bgs along the edge of a concrete waste pile located on the northwestern portion of the property. The three soil borings were completed as groundwater monitoring wells, and three groundwater samples were collected and submitted to Resource Laboratories for VOC, semivolatile organic compound (SVOC), DRO, gasoline range organics (GRO), PCB, and dissolved metals analyses. In addition, five composite surface soil samples were collected from a depth of 1 foot bgs from locations around the edge of the concrete disposal area. The surface soil samples were submitted to Resource Laboratories for VOC, SVOC, DRO, GRO, PCB, and RCRA 8 metals analyses. Analytical results of the groundwater samples collected by Roux indicated the presence of DRO above laboratory RLs, while analytical results of the surface soil samples indicated the presence of 10 SVOCs, seven RCRA 8 metals, and DRO at concentrations above laboratory RLs [74]. Analytical results of the Roux investigation will be discussed in greater detail in the Waste/Source Sampling, Groundwater Pathway, and Soil Exposure Pathway sections of this report.

On 8 August 2004, the Leeds Metal property was listed on the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database [CERCLIS No. MEN000103584] [3].

In March 2006, on behalf of MCRC, ERM completed an investigation of four debris piles (Debris Piles A through D) located on the Leeds Metal property. The investigation included extensive sampling (completed in November 2003) as well as a volume estimation of each pile. In addition, an area along the eastern property boundary was investigated. The investigation included multiple test pit excavations within each debris pile, and the collection of composite soil samples from each test pit for PCBs and total metals field screening. In addition, soil samples were collected from each test pit for VOC field screening. VOC screening was performed with two separate photoionization detectors (PIDs); PCB field screening was performed with D-tech field test kits; and total metals field screening was performed with a Niton X-Ray Fluorescence (XRF) unit. In addition, 49 soil samples were submitted to Alpha Analytical for VOC, SVOC, PCB, and total metals analyses. Analytical results of the Debris Pile Evaluation indicated the presence of VOCs (including PCE), SVOCs, PCBs, and metals at concentrations above laboratory RLs. In addition, PCBs and metals were detected at concentrations above the ME DEP Remedial Action Guidelines (RAGs) for Outdoor Commercial Workers [35; 75]. Analytical results of the ERM Debris Pile Investigation will be discussed in greater detail in the Waste/Source Sampling and Soil Exposure Pathway sections of this report.

On 23 January 2008, ME DEP wrote EPA and requested assistance in investigating the property due to lack of cooperation from the property owner [84].

On 1 June 2009, as part of an EPA Removal Program Preliminary Assessment/Site Investigation, ME DEP personnel collected 10 groundwater samples, including one field duplicate, from the nine on-site groundwater monitoring wells installed by ERM in November 1999. The groundwater samples were submitted to the EPA Office of Environmental Measurement and Evaluation (OEME) laboratory located in North Chelmsford, Massachusetts (MA) for VOC, total metals, and cyanide analyses. Analytical results of the groundwater samples collected by ME DEP indicated the presence of one VOC (PCE) and four metals at concentrations above laboratory RLs [76; 78]. Analytical results of the 2009 groundwater sampling will be discussed in greater detail in the Groundwater Pathway section of this report.

On 15 through 18 June 2009, as part of the EPA Removal Program Preliminary Assessment/Site Investigation, START collected 196 surface and subsurface soil samples from the Leeds Metal property. All of the soil samples were screened on site by the EPA OEME Mobile Laboratory for VOCs and metals. In addition, 24 surface and subsurface soil samples were submitted to the EPA OEME Laboratory for VOC and total metals confirmation analyses. VOC screening results indicated the presence of PCE in 30 surface and subsurface soil samples. Metals screening results indicated the presence of four total metals. Confirmatory sampling indicated the presence of 14 VOCs and 18 total metals in soil samples [78]. Analytical results of the 2009 EPA Removal Program Preliminary Assessment/Site Investigation soil samples will be discussed in greater detail in the Waste/Source Sampling and Soil Exposure Pathway sections of this report.

As part of the June 2009 EPA soil sampling event, eight soil borings were completed as temporary well points at locations throughout the property. A total of 21 groundwater samples were collected, including 20 samples collected from various depths within each temporary well point, and one sample collected from a groundwater monitoring well couplet previously installed on the property. The 21 groundwater samples were submitted to the EPA OEME Mobile Laboratory for VOC screening analysis. Analytical results of the groundwater samples indicated the presence of PCE above screening detection limits in all the samples [78]. Analytical results of the 2009 EPA groundwater sampling event will be discussed in greater detail in the Groundwater Pathway section of this report.

On 18 June 2009, as part of the EPA Removal Program Preliminary Assessment/Site Investigation, ME DEP personnel collected nine residential drinking water samples, including one field duplicate, from eight residences located south and southwest of the Leeds Metal property. All the drinking water samples were submitted to the EPA OEME Mobile Laboratory for VOC screening analysis, as well as to the EPA OEME Laboratory for VOC, total metals, cyanide, and sulfate analyses. Screening results indicated the presence of PCE in four samples, and TCE in fives samples, at concentrations above screening detection limits. Laboratory analysis indicated the presence of five VOCs (including cis-1,2-DCE, PCE, and TCE), six metals, and sulfate at concentrations above analytical RLs [77-78]. Analytical results of the 2009 EPA drinking water sampling event will be discussed in greater detail in the Groundwater Pathway section of this report.

On 20 April 2010, as part of the EPA Site Assessment investigation of the Leeds Metal property, a Preliminary Assessment was completed [87].

Between 8 November and 2 December 2010, as part of the EPA Site Assessment Site Inspection, START personnel conducted an on- and off-site sampling event. As part of the sampling event, START personnel collected surface and subsurface soil/source samples from soil borings advanced throughout the Leeds Metal property, as well as at two off-site properties. One of the

off-site properties was located south of the Leeds Metal property (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 40); and the other was located along Plains Road (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 55), northwest of the Leeds Metal property.

Between 9 and 30 November 2010, as part of the EPA Site Assessment Site Inspection sampling event, START personnel collected 47 surface soil/source samples (SS-01 through SS-44, SS-50, SS-52, and SS-53), including three field duplicate samples (SS-43, SS-44, and SS-53), from the Leeds Metal property and an adjacent area (see Figure 3). Surface soil/source samples SS-03 through SS-36, SS-38, SS-40 through SS-44, SS-50, SS-52, and SS-53 were collected from locations throughout the Leeds Metal property, to identify contaminants associated with potential source areas. Surface soil/source samples SS-37 and SS-39 were collected from a parcel immediately south of the Leeds Metal property, where material from former on-site operations had been disposed of. Surface soil/source samples SS-01 and SS-02 were collected from 23 Plains Road (Town of Leeds, ME Map No. 4, Lot No. 55), northwest of the Leeds Metal property, to document background surface soil/source conditions for comparison purposes. Surface soil/source samples SS-01, SS-03 through SS-44, SS-50, SS-52, and SS-53 were submitted to Contract Laboratory Program (CLP) Laboratories for VOC, PCB, and total metals analyses. Surface soil/source sample SS-02 was submitted to a CLP Laboratory for total metals analysis only [1; 115-117].

Between 9 and 30 November 2010, as part of the EPA Site Assessment Site Inspection, START personnel collected 29 subsurface soil/source samples (SB-01, SB-02, SB-08 through SB-15, SB-17, SB-18, SB-22, SB-27 through SB-38, SB-40, and SB-42 through SB-44), including two duplicate samples (SB-43 and SB-44), from the Leeds Metal property and an adjacent property located to the south (see Figure 3). The subsurface soil/source samples were collected using hand augers at depths greater than 2 feet bgs. Subsurface soil/source samples SB-01 and SB-02 were collected from 23 Plains Road (Town of Leeds, ME Map No. 4, Lot No. 55), northwest of the Leeds Metal property, to document background subsurface soil/source conditions for comparison purposes. Subsurface soil/source samples SB-08 through SB-15, SB-17, SB-18, SB-22, SB-27 through SB-36, SB-38, SB-40, and SB-42 through SB-44 were collected from locations throughout the Leeds Metal property, to identify contaminants associated with potential source areas. Subsurface soil/source sample SB-37 was collected from an area adjacent to the southern property boundary, where material from former on-site operations had been disposed of. Subsurface soil/source samples SB-01, SB-08 through SB-15, SB-17, SB-18, SB-22, SB-27 through SB-38, SB-40, and SB-42 through SB-44 were submitted to CLP Laboratories for VOC, PCB, and total metals analyses. Subsurface soil sample SB-02 was submitted to a CLP Laboratory for total metals analysis only [1; 115-117].

On 10, 11, and 16 November 2010, as part of the EPA Site Assessment Site Inspection, START personnel collected 12 groundwater samples (GW-01 through GW-12), including a duplicate sample (GW-10), from 11 groundwater monitoring wells located on the Leeds Metal property (see Figure 4). Groundwater sample GW-12 was collected from groundwater monitoring well RX-2S, located on the northwestern portion of the Leeds Metal property, to document reference groundwater conditions for comparison purposes. Groundwater samples GW-01 through GW-12 were submitted to CLP Laboratories for VOC, dissolved metals, and total metals analyses [1; 115-117].

Figure 3

Surface and Subsurface Soil/Source Sample Location Map

Leeds Metal
Along Blue Rock Road
Leeds, Maine

EPA Region I
Superfund Technical Assessment and Response Team (START) III
Contract No. EP-W-05-042

TDD Number:	09-05-0004
Created by:	G. Hornok
Created on:	23 July 2010
Modified by:	G. Hornok
Modified on:	19 August 2011

LEGEND

- **Soil/Source Sample**
- **Debris Pile**
- **Property Boundary**
- **Former Operations Area**
- **Drum Disposal Area**
- **Access Road**
- B **Debris Pile Designation**

* Debris Pile A aerial extent based on on-site observations.

0 50 100 200 300 Feet

Data Sources:
Imagery: ME GIS Spring 2003 Orthoimagery
All other data: START

WESTON SOLUTIONS
Restoring Resource Efficiency

Figure 4
Drinking Water and Groundwater Sample Location Map
Leeds Metal
Along Blue Rock Road
Leeds, Maine

EPA Region I
Superfund Technical Assessment and Response Team (START) III
Contract No. EP-W-05-042

TDD Number:	09-05-0004
Created by:	G. Hornok
Created on:	19 October 2010
Modified by:	G. Hornok
Modified on:	19 August 2011

LEGEND

- Leeds Metal Property
- Groundwater Sample
- Drinking Water Sample

Groundwater monitoring well couplets represented by single symbol.

'S' designates shallow groundwater monitoring well, while 'D' designates the accompanying deep well.

N

0 0.125 0.25 Miles

Data Sources:
Imagery: ME GIS Spring 2003 Orthoimagery
All other data: START, Town of Leeds, ME Tax Assessors Maps

WESTON SOLUTIONS
Restoring Resource Efficiency

On 8 through 11 November and 16 through 18 November 2010, as part of the EPA Site Assessment Site Inspection, START personnel collected 31 drinking water samples (DW-01 through DW-06, DW-08 through DW-16, DW-18 through DW-31, and duplicate samples DW-33 and DW-34), from 29 private drinking water supply wells on properties in the vicinity of the Leeds Metal property (see Figure 4). Each drinking water sample was collected prior to any type of water filtration device. Drinking water samples DW-01 through DW-03 were collected from private drinking water supply wells located northwest of the Leeds Metal property to document reference drinking water supply well conditions. All drinking water samples were submitted to CLP Laboratories for VOC, dissolved metals, and total metals analyses [1; 115-117].

On 8, 9, 15, and 16 November 2010, as part of the EPA Site Assessment Site Inspection, START personnel collected 34 sediment samples (SD-01 through SD-34), including two field duplicate samples (SD-32 and SD-33), from surface water bodies on and around the Leeds Metal property (see Figure 5). Sediment samples SD-05, SD-06, and SD-30 were collected from a wetland located on the northwestern portion of the Leeds Metal property. Sediment samples SD-07 and SD-09 were collected from the southern on-site lagoon, and sediment sample SD-08 was collected from the northern on-site lagoon. Sediment sample SD-10 and field duplicate sample SD-32 were collected from the on-site pond located in the central portion of the Leeds Metal Property.

Sediment samples SD-21 and SD-22 were collected from upstream locations along the Dead River No. 2, located south and southwest of the Leeds Metal property, along Surface Water Pathway (SWP) No. 1, to document stream background sediment conditions. In addition, sediment samples SD-19 and SD-20 were collected from upstream locations along a tributary to the Dead River No. 2, to document stream background sediment conditions. Sediment samples SD-25, SD-26, SD-27, and SD-31 were collected from locations along the Dead River No. 2. Sediment sample SD-23 was collected along an intermittent stream, located east of the Dead River No. 2, prior to the point where the intermittent stream converges with the Dead River No. 2. Sediment samples SD-14 through SD-17 were collected from an Unnamed Stream located east of the Leeds Metal property. Sediment sample SD-34 was collected from the Unnamed Intermittent Stream located south of the Leeds Metal property.

Sediment samples SD-01 and SD-02 were collected from Island Pond, located northwest of the Leeds Metal property, to document pond background sediment conditions. Sediment sample SD-18 was collected from Bonny Pond, located northeast of the Leeds Metal property, at the confluence of Bonny Pond and the Unnamed Stream.

Sediment samples SD-03 and SD-04 were collected from a wetland area off of Blue Rock Road, located east of the Leeds Metal property, to document wetland background sediment conditions. Sediment samples SD-11 through SD-13, SD-24, SD-28, SD-29, and field duplicate sample SD-33 were collected from a wetland area located south of and adjacent to the Leeds Metal property.

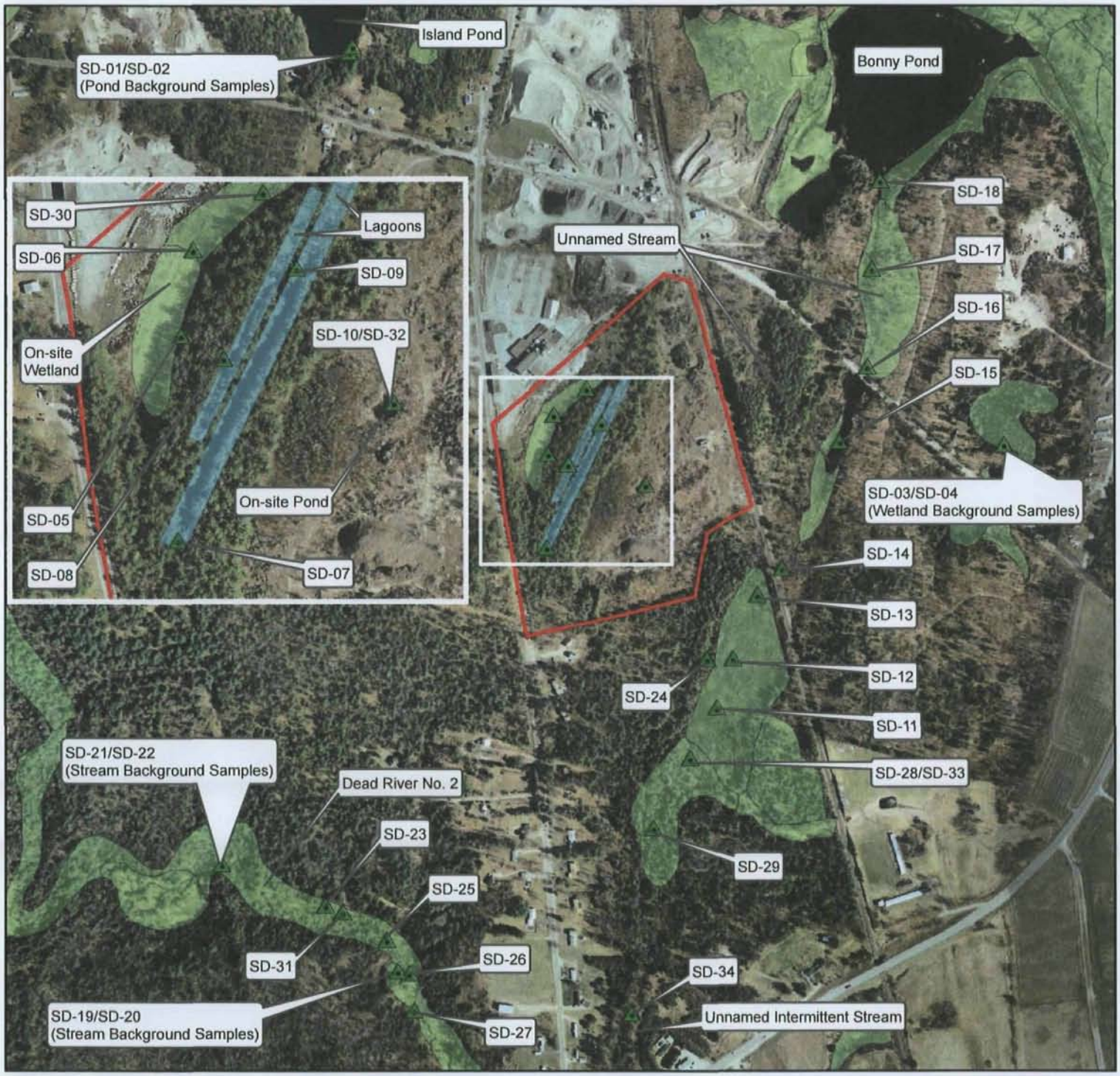

Figure 5

Sediment Sample Location Map

Leeds Metal
Along Blue Rock Road
Leeds, Maine

EPA Region I
Superfund Technical Assessment and Response Team (START) III
Contract No. EP-W-05-042

TDD Number:	09-05-0004
Created by:	G. Hornok
Created on:	19 October 2010
Modified by:	G. Hornok
Modified on:	19 August 2011

LEGEND

- **Leeds Metal Property**
- **Sediment Sample**
- **Lagoons**
- **Wetlands**

N

0 0.125 0.25 Miles

Data Sources:

Imagery: ME GIS Spring 2003 Orthoimagery
All other data: START, National Wetlands Inventory

WESTON SOLUTIONS
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Reference sediment samples were collected to represent background sediment conditions for each flow regime and environment type (*i.e.*, pond, stream, and wetland), for comparison to sediment samples collected from downstream locations from corresponding environment types. START personnel noted that in general, the sample matrix material of reference samples was consistent with the matrix material of sediment samples collected from the downstream segments of the surface water pathways. Sediment samples SD-01, SD-03, SD-05 through SD-19, SD-21, and SD-23 through SD-34 were submitted to CLP Laboratories for VOC, PCB, and total metals analyses. Sediment samples SD-02, SD-04, SD-20, and SD-22 were submitted to a CLP Laboratory for total metals analysis only [1; 115-117].

Based on analytical results, a contaminated surface soil/source area has been documented as containing the following substances: 13 VOCs (acetone, bromomethane, 2-butanone, chloromethane, ethylbenzene, methyl acetate, methyl tert-butyl ether, styrene, PCE, toluene, 1,2,3-trichlorobenzene, m,p-xylene, and o-xylene), five PCBs (Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, and Aroclor-1268), and 23 total metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc) [1, pp.41-48; 89-98; 115, pp.2-7, 18-26, 39-48; 166, pp. 2-40, 46-48; 117, pp. 2-6]. Of these 41 contaminants, 14 substances (Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, antimony, arsenic, cadmium, cobalt, copper, iron, lead, nickel, thallium, and zinc) were detected at concentrations exceeding their respective ME DEP RAG for Park User and/or ME DEP RAG for Excavation or Construction Worker scenarios [35].

Based on analytical results, a contaminated subsurface soil/source area containing 20 VOCs [acetone; bromomethane; 2-butanone (MEK); carbon disulfide; chlorobenzene; chloroform; chloromethane; 1,2-dichlorobenzene; 1,3-dichlorobenzene; 1,4-dichlorobenzene; ethylbenzene; isopropylbenzene; methyl acetate; 4-methyl-2-pentanone; styrene; PCE; toluene; TCE; m,p-xylene; and o-xylene]; five PCBs (Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, and Aroclor-1268); and 22 total metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, silver, sodium, thallium, vanadium, and zinc) has been documented. Of these 47 contaminants, 11 substances (Aroclor-1254, Aroclor-1260, antimony, arsenic, cadmium, copper, iron, lead, manganese, nickel, and thallium) were detected at concentrations exceeding their respective ME DEP RAG for Park User and/or ME DEP RAG for Excavation or Construction Worker scenarios [1, pp. 46-48; 35; 89-98; 115, pp.2-3, 48; 116, pp. 2, 33-37].

Analytical results of START surface soil/source and subsurface soil/source samples collected as part of the EPA Site Assessment Site Inspection are discussed in greater detail in the Waste/Source Sampling and Soil Exposure Pathway sections of this report.

Based on analytical results, a release of the following substances to the overburden sand and gravel aquifer beneath the property, from source areas located on the Leeds Metal property, has been documented: one VOC (PCE); four dissolved metals (chromium, iron, potassium, and vanadium); and nine total metals (aluminum, chromium, copper, iron, lead, nickel, potassium, vanadium, and zinc) [1; 115-117; 89-98; 100-101; 104-105; 107-108]. PCE and total iron were detected above reference criteria and above the EPA MCLs and/or ME Department of Human Services (DHS) MEGs [26-27]. In addition, TCE was detected in groundwater samples at concentrations above the MDL, but below reference criteria.

Based on analytical results, a release of the following substances to local drinking water supply wells, from source areas located on the Leeds Metal property, has been documented: five VOCs [1,1-dichloroethane (1,1-DCA), cis-1,2- DCE, PCE, toluene, and TCE]; nine dissolved metals (barium, calcium, chromium, copper, lead, magnesium, nickel, potassium, and zinc); and 10 total metals (barium, calcium, chromium, cobalt, copper, lead, magnesium, nickel, potassium, and zinc) [1; 115-117; 89-98; 99-108]. Total lead, PCE, and TCE were detected above reference criteria and above the EPA MCLs and/or ME DHS MEGs [26-27].

Analytical results of START groundwater and drinking water samples are discussed in greater detail in the Groundwater Pathway section of this report.

Based on sampling performed as part of the EPA Site Assessment Site Inspection, START has documented a release of 11 total metals (aluminum, arsenic, chromium, iron, lead, magnesium, manganese, nickel, potassium, vanadium, and zinc) to the on-site wetland (SWP No. 3) located on the northwest portion of the Leeds Metal property [89-98]. In addition, sediment samples collected from the on-site wetland indicated the presence of chlorinated VOCs and PCBs at concentrations below the Contract Required Quantitation Limit (CRQL). These concentrations are below reference and are not used in scoring a release to the on-site wetland. Adequate samples were not collected during the EPA Site Assessment Site Inspection to thoroughly document a release to the wetland south of the Leeds Metal property or to SWP Nos. 1 and 2. Analytical results of the sediment samples collected as part of the EPA Site Assessment Site Inspection are discussed in greater detail in the Surface Water Pathway sections of this report.

Table 1 presents identified structures or areas associated with the Leeds Metal property that are documented or potential sources of contamination, the containment features associated with each source, and the relative location of each source.

Table 1

Source Evaluation for Leeds Metal

Source Area	Containment Features	Spatial Location
Debris Pile A	None	Eastern central area of Leeds Metal property
Debris Pile B	None	Southeastern area of Leeds Metal property
Debris Pile C	None	Central area of Leeds Metal property
Debris Pile D	None	Southern central area of Leeds Metal property
Contaminated Soil Associated with the Abandoned Drums Area	None	Along southern property boundary of the Leeds Metal property and adjacent property
Contaminated Soil Associated with the Battery Drop Area	None	Northeastern corner of Leeds Metal property
Contaminated Soil Associated with the Former Operations Area	None	Eastern half of Leeds Metal property

Table 1

Source Evaluation for Leeds Metal (Concluded)

Source Area	Containment Features	Spatial Location
Contaminated Soil Associated with the Concrete Disposal Area	None	Along northern property boundary of the Leeds Metal property
Contaminated Soil Associated with the Container Disposal Area	None	Along western property boundary of the Leeds Metal property

[1, 115-117]

Table 2 summarizes the types of potentially hazardous substances which have been disposed, used, or stored on the areas associated with the Leeds Metal property.

Table 2

Hazardous Waste Quantity for Leeds Metal

Substance	Quantity or Volume/Area	Years of Use/Storage	Years of Disposal	Source Area
VOCs, SVOCs, PCBs, and total metals.	6,413 yd^3	NA	Unknown	Debris Pile A
VOCs, SVOCs, PCBs, and total metals.	20,566 yd^3	NA	Unknown	Debris Pile B
VOCs, SVOCs, PCBs, and total metals.	1,727 yd^3	NA	Unknown	Debris Pile C
VOCs, SVOCs, PCBs, and total metals.	11,280 yd^3	NA	Unknown	Debris Pile D
VOCs, PCBs, and total metals.	Approximately 109,862 ft^2	NA	Unknown	Contaminated Soil Associated with the Abandoned Drums Area
Total metals.	Approximately 3,049 ft^2	NA	Unknown	Contaminated Soil Associated with the Battery Drop Area
VOCs, PCBs, and total metals.	Approximately 622,423 ft^2	NA	Unknown	Contaminated Soil Associated with the Former Operations Area

Table 2

Hazardous Waste Quantity for Leeds Metal (Concluded)

Substance	Quantity or Volume/Area	Years of Use/Storage	Years of Disposal	Source Area
SVOCs, total metals, and DRO.	Approximately 72,264 ft^2	NA	Unknown	Contaminated Soil Associated with the Concrete Disposal Area
Total metals	Approximately 742 ft^2	NA	Unknown	Contaminated Soil Associated with the Container Disposal Area

VOCs = Volatile Organic Compounds.
PCBs = Polychlorinated Biphenyls.
yd^3 = Cubic Yards.
DRO = Diesel Range Organics.
SVOCs = Semivolatile Organic Compounds.
NA = Not Applicable.
ft^2 = Square Feet.

[1; 74; 78; 89-98; 115-117]

The Leeds Metal property is the only site located in Leeds, ME that is listed in the CERCLIS database [83]. In addition, there are three Resource Conservation and Recovery Act Information System (RCRIS) sites located in Leeds, ME and zero RCRA or CERCLIS sites in Monmouth, Maine [14].

WASTE/SOURCE SAMPLING

On 2 June 1983, ME DEP personnel responded to a complaint of leaking drums and transformers at the Leeds Metal property, within the Former Operations area [Complaint No. P-10-83]. ME DEP personnel performed an on-site reconnaissance, and noted the presence of five transformers and 27 drums that appeared to contain product material. Two soil samples were collected from around the leaking containers: one from around a leaking transformer and one from around a leaking drum. The samples were submitted to the ME DEP Laboratory Services Section for PCB analysis. Analytical results of the soil samples indicated the presence of two PCBs (Aroclor-1248 and Aroclor-1260) above MDLs in each of the two soil samples. Aroclor-1248 and Aroclor-1260 were detected at maximum concentrations of 7.9 J milligrams per Kilogram (mg/Kg) and 5.3 J mg/Kg, respectively, in a soil sample collected from around the leaking transformer. The two PCBs were detected at concentrations below ME DEP RAGs for Outdoor Commercial Workers [35; 55].

On 30 June 1983, in response to Complaint No. P-10-83, ME DEP personnel mobilized to the Leeds Metal property to collect 13 drum samples. Analytical results of the drum samples did not indicate the presence of PCBs at concentrations above 50 mg/Kg. Analytical results of the 30 June 1983 sampling event were relayed to the property owner and notes associated with Complaint No. P/978/83 indicated that the property owner was in the process of securing the drums and transformers located on the property [55].

On 24 October 1997, as part of a Site Discovery, ME DEP personnel collected surface soil samples from the Former Operations Area to determine if a release of hazardous substances to site soils had occurred. A total of 15 soil samples (SDP-101 through SDP-115) were collected

from various locations where suspected major material reclamation had occurred on the property. These locations were determined through analysis of aerial photographs. Soil samples were collected from a depth of 2 to 8 inches bgs and submitted to the Maine Health and Environmental Testing Laboratory for PCB, metals, DRO, and TPH analyses [57]. No background samples were collected as part of the ME DEP Site Discovery investigation. Analytical results of surface soil samples indicated the presence of the following two PCBs, eight metals, DRO, and TPH at concentrations above laboratory RLs (maximum concentrations in parentheses): Aroclor-1248 (5.82 mg/Kg); Aroclor-1260 (16.1 mg/Kg); arsenic (48 mg/Kg); barium (2,600 mg/Kg); cadmium (155 mg/Kg); chromium (300 mg/Kg); lead (12,000 mg/Kg); mercury (3.07 mg/Kg); selenium (18 mg/Kg); silver (24 mg/Kg); DRO (80,800 mg/Kg); and TPH (86,300 mg/Kg). Of the compounds/elements detected in soil samples, two PCBs (Aroclor-1248 and Aroclor-1260) and three metals (arsenic, cadmium, and lead) were detected at concentrations exceeding their respective ME DEP RAGs for Park User and/or ME DEP RAGs for Excavation or Construction Worker scenarios [35; 57].

On 17 June 2004, Roux completed a targeted environmental investigation of the northwest portion of the Leeds Metal property. Five composite surface soil samples (CS-1 through CS-5) were collected from areas near the edge of the Concrete Disposal Area, located on the northwestern portion of the property. The surface soil samples were collected using hand augers from a depth of 1 foot bgs, and were submitted to Resource Laboratories for VOC, SVOC, DRO, GRO, PCBs, and RCRA 8 metals analyses. Analytical results of the surface soil samples indicated the presence of 10 SVOCs, seven RCRA 8 metals, and DRO at concentrations above laboratory RLs. The maximum concentration of each compound/element was detected in surface soil sample CS-5, as follows: benzo(a)anthracene [110 micrograms per Kilogram (µg/Kg)]; benzo(a)pyrene (110 µg/Kg); benzo(b)fluoranthene (140 µg/Kg); benzo(g,h,i)perylene (50 µg/Kg); benzo(k)fluoranthene (120 µg/Kg); chrysene (120 µg/Kg); fluoranthene (200 µg/Kg); indeno(1,2,3-cd)pyrene (50 µg/Kg); phenanthrene (100 µg/Kg); pyrene (180 µg/Kg); arsenic (12 mg/Kg); barium (62 mg/Kg); cadmium (0.54 mg/Kg); chromium (38 mg/Kg); lead (32 mg/Kg); selenium (5.6 mg/Kg); silver (0.5 mg/Kg); and DRO (150 µg/Kg). Of the compounds/elements detected in surface soil samples, one metal (arsenic) was detected at a concentration exceeding its ME DEP RAG for Park User scenario [35; 74].

In March 2006, on behalf of MCRC, ERM completed an investigation of the four debris piles (Debris Piles A through D) on the Leeds Metal property. The investigation included extensive sampling and a volume estimation of each pile. The investigation of each debris pile consisted of multiple test pit excavations, the collection of grab soil samples for VOC field screening analysis, and the collection of composite soil samples for PCB and total metals field screening analyses. VOC field screening was performed with two separate PIDs; PCB field screening was performed with D-tech field test kits; and total metals field screening was performed with a Niton XRF unit. In addition, a percentage of soil samples was submitted to Alpha Analytical for VOC, SVOC, PCB, and total metals analyses [75]. Background samples were not collected as part of this investigation.

ERM personnel described Debris Pile A as being "vegetated with invasive vegetation up to 1.5" in diameter in a relatively dry matrix of sand with minor silt, metal pieces (up to 3' long), rubber, plastic, plant matter, fabric, and metal oxides." A total of 26 test pits were excavated in Debris Pile A. Screening results of soil samples indicated the presence of total VOCs at a concentration of 54.1 parts per million (ppm), and total PCBs at a concentration greater than 25 ppm. In addition, metals screening analysis of soil samples indicated the presence of the following 12 total metals (maximum concentrations in parentheses): antimony (127.6 ppm); arsenic (233

ppm); barium (1,769.6 ppm); copper (4,019 ppm); iron (156,979 ppm); lead (2,769.6 ppm); manganese (5,658 ppm); nickel (1,240 ppm); rubidium (137.1 ppm); strontium (59.4 ppm); zinc (7,898 ppm); and zirconium (137.8 ppm). Eight test pit samples collected from Debris Pile A were submitted to Alpha Analytical for VOC, SVOC, PCB, and total metals analyses. Laboratory analytical results indicated the presence of the following four SVOCs, three PCBs, and six total metals (maximum concentration in parentheses): bis(2-ethylhexyl)phthalate (590,000 µg/Kg); butyl benzyl phthalate (260,000 µg/Kg); di-n-butylphthalate (20,000 µg/Kg); di-n-octylphthalate (44,000 µg/Kg); Aroclor-1016/Aroclor-1242 (20,200 µg/Kg); Aroclor-1248 (28,300 µg/Kg); Aroclor-1260 (10,700 µg/Kg); arsenic (88 mg/Kg); barium (840 mg/Kg); cadmium (69 mg/Kg); chromium (250 mg/Kg); lead (8,200 mg/Kg); and mercury (2.7 mg/Kg). Of the compounds/elements detected in the test pit samples collected form Debris Pile A, three PCBs (Aroclor-1016/Aroclor-1242, Aroclor-1248, and Aroclor-1260) and six total metals (antimony, arsenic, cadmium, copper, lead, and nickel) were detected at concentrations exceeding their respective ME DEP RAGs for Park User and/or ME DEP RAGs for Excavation or Construction Worker scenarios [35; 75].

ERM personnel described Debris Pile B as being "heavily vegetated with trees up to 3″ in diameter in a moist matrix of silt with minor sand and clay, plant matter, metal, rubber, plastic, fabric, and metal oxides." A total of 95 test pits were excavated in Debris Pile B. Screening results of soil samples indicated the presence of total VOCs at a concentration of 20.3 ppm, and total PCBs at a concentration greater than 25 ppm. In addition, metals screening analysis of soil samples indicated the presence of the following 12 total metals (maximum concentrations in parentheses): antimony (317.4 ppm); arsenic (227.6 ppm); barium (2,419.2 ppm); cobalt (3,200 ppm); copper (8,134.4 ppm); iron (214,835 ppm); lead (2,748.8 ppm); manganese (10,099.2 ppm); nickel (3,779.2 ppm); uranium (70.2 ppm); zinc (35,097.6 ppm); and zirconium (116.5 ppm). Eight test pit soil samples collected from Debris Pile B were submitted to Alpha Analytical for VOC, SVOC, PCB, and total metals analyses. Analytical results indicated the presence of the following 13 VOCs, four SVOCs, three PCBs, and six total metals (maximum concentrations in parentheses): 2-butanone (MEK) (4,600 µg/Kg); n-butylbenzene (600 µg/Kg); ethylbenzene (1,800 µg/Kg); p-isopropyltoluene (200 µg/Kg); 4-methyl-2-pentanone [methyl isobutylketone (MIBK)] (600 µg/Kg); naphthalene (4,600 µg/Kg); n-propylbenzene (300 µg/Kg); styrene (400 µg/Kg); toluene (1,800 µg/Kg); 1,2,4-trimethylbenzene (4,600 µg/Kg); 1,3,5-trimethylbenzene (1,700 µg/Kg); m/p-xylene (2,800 µg/Kg); o-xylene (1,600 µg/Kg); bis(2-ethylhexyl)phthalate (590,000 µg/Kg); butyl benzyl phthalate (260,000 µg/Kg); di-n-butylphthalate (20,000 µg/Kg); di-n-octylphthalate (44,000 µg/Kg); Aroclor-1016/Aroclor-1242 (20,200 µg/Kg); Aroclor-1248 (28,300 µg/Kg); Aroclor-1260 (10,700 µg/Kg); arsenic (88 mg/Kg); barium (840 mg/Kg); cadmium (69 mg/Kg); chromium (250 mg/Kg); lead (8,200 mg/Kg); and mercury (2.7 mg/Kg). Of the compounds/elements detected in the test pit samples collected form Debris Pile B, three PCBs (Aroclor-1016/Aroclor-1242, Aroclor-1248, and Aroclor-1260) and nine total metals (antimony, arsenic, cadmium, cobalt, copper, iron, lead, manganese, and nickel) were detected at concentrations exceeding their respective ME DEP RAGs for Park User and/or ME DEP RAGs for Excavation or Construction Worker scenarios [35; 75].

ERM described Debris Pile C as being "heavily vegetated with trees up to 3″ in diameter in a moist matrix of silt and minor sand, plant matter, oxidized metal, occasional metal pieces, metal oxides, rubber, and plastic." A total of 20 test pits were excavated in Debris Pile C. Screening results of soil samples indicated the presence of total VOCs at a concentration of 12 ppm, and total PCBs at concentrations ranging between 4.1 and 15 ppm. In addition, metals screening analysis of soil samples indicated the presence of the following nine total metals (maximum

concentration in parentheses): copper (7,379.2 ppm); iron (231,834 ppm); lead (4,748.8 ppm); manganese (9,228.8 ppm); nickel (4,099.2 ppm); rubidium (92.3 ppm); uranium (91 ppm); zinc (15,194 ppm); and zirconium (54.2 ppm). Four test pit samples were collected from Debris Pile C and submitted to Alpha Analytical for VOC, SVOC, PCB, and total metals analyses. Analytical results indicated the presence of the following 11 VOCs, four SVOCs, three PCBs, and six total metals in soil samples (maximum concentrations in parentheses): benzene (300 µg/Kg); n-butylbenzene (880 µg/Kg); sec-butylbenzene (270 µg/Kg); ethylbenzene (750 µg/Kg); isopropyltoluene (460 µg/Kg); p-isopropyltoluene (680 µg/Kg); naphthalene (11,000 µg/Kg); toluene (520 µg/Kg); 1,2,4-trimethylbenzene (2,200 µg/Kg); m/p-xylene (540 µg/Kg); o-xylene (400 µg/Kg); bis(2-ethylhexyl)phthalate (590,000 µg/Kg); butyl benzyl phthalate (260,000 µg/Kg); di-n-butylphthalate (20,000 µg/Kg); di-n-octylphthalate (44,000 µg/Kg); Aroclor-1016/Aroclor-1242 (20,200 µg/Kg); Aroclor-1248 (28,300 µg/Kg); Aroclor-1260 (10,700 µg/Kg); arsenic (88 mg/Kg); barium (840 mg/Kg); cadmium (69 mg/Kg); chromium (250 mg/Kg); lead (8,200 mg/Kg); and mercury (2.7 mg/Kg). Of the compounds/elements detected in the test pit samples collected from Debris Pile C, three PCBs (Aroclor-1016/Aroclor-1242, Aroclor-1248, and Aroclor-126) and seven metals (arsenic, cadmium, copper, iron, lead, manganese, and nickel) were detected at concentrations exceeding their respective ME DEP RAGs for Park User and/or ME DEP RAGs for Excavation or Construction Worker scenarios [35; 75].

ERM described Debris Pile D as being an "unvegetated, relatively dry pile with minor sand, silt and clay, metal oxides, oxidized metal, rubber, plastic, and fabric." A total of 100 test pits were excavated in Debris Pile D. Screening results of soil samples indicated the presence of total VOCs at a maximum concentration of 17.4 ppm, and total PCBs at a concentration greater than 25 ppm. In addition, metals screening analysis of soil samples indicated the presence of the following 10 total metals (maximum concentrations in parentheses): arsenic (267 ppm); cobalt (2,889.6 ppm); copper (8,275.2 ppm); lead (4,348.8 ppm); nickel (14,298 ppm); rubidium (101.7 ppm); selenium (65.4 ppm); uranium (65.9 ppm); zinc (57,190 ppm); and zirconium (106.7 ppm). A total of 20 test pit soil samples collected from Debris Pile D were submitted to Alpha Analytical for VOC, SVOC, PCB, and total metals analyses. Analytical results indicated the presence of the following 13 VOCs, three SVOCs, two PCBs, and six total metals (maximum concentrations in parentheses): acetone (14,000 µg/Kg); MEK (4,600 µg/Kg); n-butylbenzene (280 µg/Kg); ethylbenzene (1,200 µg/Kg); isopropyltoluene (280 µg/Kg); naphthalene (1,600 µg/Kg); n-propylbenzene (230 µg/Kg); styrene (590 µg/Kg); PCE (210 µg/Kg); toluene (870 µg/Kg); 1,2,4-trimethylbenzene (1,400 µg/Kg); m/p-xylene (7,000 µg/Kg); o-xylene (1,200 µg/Kg); bis(2-ethylhexyl)phthalate (1,000,000 µg/Kg); butyl benzyl phthalate (74,000 µg/Kg); di-n-octylphthalate (35,000 µg/Kg); Aroclor-1254 (16,400 µg/Kg); Aroclor-1260 (11,800 µg/Kg); arsenic (70 mg/Kg); barium (1,100 mg/Kg); cadmium (52 mg/Kg); chromium (500 mg/Kg); lead (4,100 mg/Kg); and mercury (1.80 mg/Kg). Of the compounds/elements detected in the test pit samples collected form Debris Pile D, two PCBs (Aroclor-1254 and Aroclor-1260) and six metals (arsenic, cadmium, cobalt, copper, lead, and nickel) were detected at concentrations exceeding their respective ME DEP RAGs for Park User and/or ME DEP RAGs for Excavation or Construction Worker scenarios [35; 75].

As part of the Debris Pile Investigation conducted in March 2006, ERM investigated an area designated as Debris Pile E. According to ME DEP representative Howatt, Debris Pile E was an area located along the southeastern property boundary, within the Former Operations Area. Two test pits were excavated in the area of Debris Pile E. Screening results of soil samples collected from the test pits indicated the presence of total VOCs at a maximum concentration of 0.1 ppm, and total PCBs at concentrations ranging from 4.1 to 15 ppm. In addition, total metals screening

analysis of the soil samples indicated the presence of the following six total metals (maximum concentrations in parentheses): barium (932 ppm); copper (1,389.6 ppm); iron (97,382 ppm); lead (947.2 ppm); zinc (16,294 ppm); and zirconium (80.8 ppm). In addition, two soil samples were submitted to Alpha Analytical for VOC, SVOC, PCB, and total metals analyses. Analytical results indicated the presence of the following three SVOCs, two PCBs, and six total metals (maximum concentrations in parentheses): bis(2-ethylhexyl)phthalate (190,000 µg/Kg); butyl benzyl phthalate (74,000 µg/Kg); di-n-octylphthalate (74,000 µg/Kg); Aroclor-1254 (12,600 µg/Kg); Aroclor-1260 (5,600 µg/Kg); arsenic (75 mg/Kg); barium (460 mg/Kg); cadmium (30 mg/Kg); chromium (150 mg/Kg); lead (8,000 mg/Kg); and mercury (1.10 mg/Kg). Of the compounds/elements detected in the test pit soil samples collected form Debris Pile E, two PCBs (Aroclor-1254 and Aroclor-1260) and three total metals (arsenic, cadmium, and lead) were detected at concentrations exceeding their respective ME DEP RAGs for Park User and/or ME DEP RAGs for Excavation or Construction Worker scenarios [35; 75].

On 15 through 18 June 2009, as part of the EPA Removal Program Preliminary Assessment/Site Investigation, START collected 196 surface and subsurface soil samples from areas on the Leeds Metal property. Soil samples were screened on site by the US EPA OEME Mobile Laboratory for VOCs and metals. In addition, 19 surface and subsurface soil samples were submitted to the EPA OEME Laboratory for confirmatory VOC and total metals analyses. VOC screening results indicated the presence of PCE in 28 surface and subsurface soil samples, at a maximum concentration of 4,140 µg/Kg. Total metals screening results indicated the presence of the following four total metals in soil samples (maximum concentrations in parentheses): antimony (692 mg/Kg); arsenic (60 mg/Kg); cadmium (161 mg/Kg); and lead (6,303 mg/Kg). Confirmatory sampling indicated the presence of the following 14 VOCs and 17 total metals in soil samples above laboratory reporting limits (maximum concentrations in parentheses): 1,1,2,2-tetrachloroethane (310 µg/Kg); 1,2,3-trichloropropane (390 µg/Kg); 1,2-dibromo-3-chloropropane (480 J µg/Kg); MEK (740 J µg/Kg); 2-hexanone (340 J µg/Kg); acetone (630 J µg/Kg); MIBK (400 J µg/Kg); acrylonitrile (630 J µg/Kg); bromoform (680 µg/Kg); bromomethane (160 µg/Kg); naphthalene (290 µg/Kg); PCE (4,200 µg/Kg); tetrahydrofuran (630 J µg/Kg); vinyl acetate (220 J µg/Kg); aluminum (89,000 mg/Kg); antimony (1,900 mg/Kg); arsenic (180 mg/Kg); barium (2,200 mg/Kg); cadmium (59 mg/Kg); calcium (7,800 mg/Kg); chromium (180 mg/Kg); cobalt (46 mg/Kg); copper (38,000 mg/Kg); iron (240,000 mg/Kg); lead (39,000 mg/Kg); magnesium (6,300 mg/Kg); manganese (1,300 mg/Kg); mercury (1.9 mg/Kg); nickel (5,300 mg/Kg); vanadium (33 mg/Kg); and zinc (62,000 mg/Kg). In addition, seven total metals (antimony, arsenic, cadmium, copper, iron, lead, and nickel) were detected at concentrations exceeding their respective ME DEP RAGs for Park User and/or ME DEP RAGs for Excavation or Construction Worker scenarios [35; 78].

Between 9 and 30 November 2010, as part of the EPA Site Assessment Site Inspection sampling event, START personnel collected 47 surface soil/source samples (SS-01 through SS-44, SS-50, SS-52, and SS-53), including three field duplicate samples (SS-43, SS-44, and SS-53), from the Leeds Metal property and an adjacent area. Surface soil/source samples SS-03 through SS-36, SS-38, SS-40 through SS-44, SS-50, SS-52, and SS-53 were collected from locations throughout the Leeds Metal property, to identify contaminants associated with potential source areas. Surface soil/source samples SS-37 and SS-39 were collected from a parcel immediately south of the Leeds Metal property, where material from former on-site operations had been disposed of. Surface soil/source samples SS-01 and SS-02 were collected from 23 Plains Road (Town of Leeds, ME Map No. 4, Lot No. 55), northwest of the Leeds Metal property, to document background surface soil/source conditions for comparison purposes. Surface soil/source samples SS-01, SS-03 through SS-44, SS-50, SS-52, and SS-53 were submitted to CLP Laboratories for

VOC, PCB, and total metals analyses. Surface soil/source sample SS-02 was submitted to a CLP Laboratory for total metals analysis only [1; 115-117]. Refer to Figure 3 for locations of surface soil/source samples collected by START.

Table 3 summarizes the surface soil/source samples collected by START on 9 through 30 November 2010.

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source					
SS-01	A3SS9 MA3SS9	11/16/10 1038	Grab	6 to 12	Surface soil/source sample collected from a soil boring advanced using a hand auger from 23 Plains Road (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 55), northwest of the Leeds Metal property, to document background soil conditions for comparison purposes. The material was brown-to-dark brown, fine-to-coarse SAND, some silt, some coarse gravel, trace clay, trace organics (roots). PID = 0.0; FID = 0.0 44° 14′ 34.62″ North Latitude 70° 05′ 11.02″ West Longitude
SS-02	MA3ST0	11/16/10 1044	Grab	6 to 12	Surface soil/source sample collected from a soil boring advanced using a hand auger from 23 Plains Road (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 55), northwest of the Leeds Metal property, to document background soil conditions for comparison purposes (total metals analysis only). The material was brown-to-dark brown, fine-to-coarse SAND, some silt, some coarse gravel, trace clay, trace organics (roots). PID = 0.0; FID = 0.0 44° 14′ 34.65″ North Latitude 70° 05′ 11.01″ West Longitude
SS-03	A3ST1 MA3ST1	11/16/10 1500	Grab	6 to 12	Surface soil/source sample collected from a soil boring advanced using a hand auger, from a location within a container disposal area on the southwestern portion of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was light brown, fine-to-medium SAND, little silt, trace fine gravel, trace coarse sand, trace organics, trace debris (tile). PID = 0.0; FID = 0.0 44° 14′ 08.23″ North Latitude 70° 04′ 58.09″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-04 (MS/MSD)	A3ST2 MA3ST2	11/16/10 1440	Grab	0 to 12	Surface soil/source sample collected from a soil boring advanced using a hand auger, from a location within a container disposal area on the southwestern portion of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was medium brown-to-cinnamon brown, fine-to-medium SAND, little silt, trace coarse sand, trace organics. PID = 0.0; FID = 0.0 44° 14′ 08.17″ North Latitude 70° 04′ 58.18″ West Longitude
SS-05	A3ST3 MA3ST3	11/16/10 1450	Grab	0 to 10	Surface soil/source sample collected from a soil boring advanced using a hand auger, from a location within a container disposal area on the southwestern portion of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was light brown-to-cinnamon brown, fine SAND, some silt, trace medium-to-coarse sand, trace fine gravel, trace organics, trace clay. PID = 0.0; FID = 0.0 44° 14′ 08.11″ North Latitude 70° 04′ 58.07″ West Longitude
SS-06	A3ST4 MA3ST4	11/17/10 1508	Grab	14 to 18	Surface soil/source sample collected from a soil boring advanced using a hand auger, adjacent to the railroad bridge abutments located on the northeastern portion of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was greenish-brown, fine SAND, some silt, trace medium-to-coarse sand, trace clay, wet. PID = 0.0; FID = 0.0 44° 14′ 19.40″ North Latitude 70° 04′ 46.63″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-07	A3ST5 MA3ST5	11/30/10 1245	Grab	18 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger, from the western portion of Debris Pile A on the central portion of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SANDY SILT, some debris (foam, wire coating, plastic, rubber, and tile), trace fine gravel, trace clay. PID = 0.0; FID = 0.0 44° 14′ 14.56″ North Latitude 70° 04′ 48.01″ West Longitude
SS-08	A3ST6 MA3ST6	11/18/10 1430	Grab	18 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger near a former railroad spur along the eastern property boundary of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown, fine-to-coarse SAND, little fine gravel, trace silt, trace clay. PID = 0.0; FID = 0.0 44° 14′ 18.21″ North Latitude 70° 04′ 44.96″ West Longitude
SS-09	A3ST7 MA3ST7	11/18/10 1430	Grab	0 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger within a depression/gully along the eastern boundary of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown-to-rusty-brown, fine SAND and SILT, some debris (metal, foam, wire), trace fine gravel, trace organics. PID = 0.0; FID = 0.0 44° 14′ 17.70″ North Latitude 70° 04′ 46.13″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-10	A3ST8 MA3ST8	11/30/10 1035	Grab	0 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to (north of) the concrete pad located along the eastern border of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown-to-dark brown, fine-to-coarse SAND, some silt, little fine-to-medium gravel, trace clay, trace organics, trace debris (metal shavings). PID = 0.0; FID = 0.0 44° 14′ 16.38″ North Latitude 70° 04′ 46.36″ West Longitude
SS-11	A3ST9 MA3ST9	11/30/10 1130	Grab	0 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to (northeast of) the concrete pad located along the eastern border of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was cinnamon brown, fine-to-coarse SAND, little fine gravel, little silt. PID = 0.0; FID = 0.0 44° 14′ 16.72″ North Latitude 70° 04′ 44.77″ West Longitude
SS-12	A3SW0 MAS3W0	11/30/10 1124	Grab	12 to 18	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to (north of) the concrete pad located along the eastern border of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown-to-dark brown, SAND and SILT, little fine-to-medium gravel, trace organics, trace debris (rubber, metal, and metal slag), trace clay. PID = 0.0; FID = 0.0 44° 14′ 16.15″ North Latitude 70° 04′ 45.63″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-13	A3SW1 MA3SW1	11/30/10 1452	Grab	2 to 8	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to (east of) the concrete pad located along the eastern border of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown-to-black, SAND and SILT, some debris (wire, tile, metal, rubber, and wood), trace clay, trace organics. PID = 0.0; FID = 1.0 44° 14′ 15.45″ North Latitude 70° 04′ 43.98″ West Longitude
SS-14	A3SW2 MA3SW2	11/30/10 1200	Grab	6 to 18	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to (northeast of) the concrete pad located along the eastern border of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown-to-reddish brown, fine-to-coarse SAND, some silt, trace fine-to-medium gravel, trace debris (rubber and plastic), trace organics. PID = 0.0; FID = 0.0 44° 14′ 14.89″ North Latitude 70° 04′ 44.92″ West Longitude
SS-15	A3SW3 MA3SW3	11/30/10 1345	Grab	2 to 8	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to (southwest of) the concrete pad located along the eastern border of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was olive green-to-gray, SILT, little clay, trace organics, trace fine sand. PID = 0.0; FID = 3.0 44° 14′ 15.11″ North Latitude 70° 04′ 45.56″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-16	A3SW4 MA3SW4	11/18/10 1059	Grab	18 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to (west) of the concrete pad on the central-eastern portion of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, fine SAND and SILT, major debris (wire, slag, plastic, and metal), little medium-to-coarse sand, little fine-to-coarse gravel, trace organics. PID = 0.0; FID = 0.0 44° 14′ 15.26″ North Latitude 70° 04′ 46.44″ West Longitude
SS-17	A3SW5 MA3SW5	11/18/10 1100	Grab	0 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to (east of) Debris Pile B on the southeastern corner of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown, fine-to-coarse SAND, some silt and debris (melted metal, wire, foam, and rubber), little fine-to-coarse gravel, trace clay. PID = 0.0; FID = 0.0 44° 14′ 12.62″ North Latitude 70° 04′ 42.75″ West Longitude
SS-18	A3SW6 MA3SW6	11/18/10 1035	Grab	6 to 12	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to a concrete pad on the southeastern corner of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown-to-yellow-brown, SILT, trace organics, trace fine sand. PID = 0.0; FID = 0.0 44° 14′ 14.03″ North Latitude 70° 04′ 44.23″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-19	A3SW7 MA3SW7	11/17/10 0845	Grab	12 to 16	Surface soil/source sample collected from a soil boring advanced using a hand auger from a small debris area located west of Debris Pile D, on the southern portion of Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was medium-to-coarse sand, some fine SAND, little silt, trace debris (rubber), trace fine-to-coarse gravel. PID = 0.0; FID = 0.0 44° 14′ 09.14″ North Latitude 70° 04′ 53.69″ West Longitude
SS-20	A3SW8 MA3SW8	11/11/10 0905	Grab	12 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to the north-northwest toe-slope of Debris Pile D, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, fine SAND and SILT, some medium-to-coarse sand and debris (foam, wire coating, rubber, and metal), trace organics, trace fine-to-coarse gravel, trace clay. PID = 0.0; FID = 0.0 44° 14′ 10.60″ North Latitude 70° 04′ 51.09″ West Longitude
SS-21	A3SW9 MA3SW9	11/18/10 0920	Grab	0 to 18	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to Debris Pile D on the southern portion of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SILTY SAND, major debris (wire, rubber, metal slag, plastic, and paper), trace organics, trace fine-to-coarse gravel. PID = 0.0; FID = 0.0 44° 14′ 10.43″ North Latitude 70° 04′ 49.49″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-22	A3SX0 MA3SX0	11/18/10 0920	Grab	12 to 18	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to Debris Pile D on the southern portion of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SAND and SILT, some debris (metal and rubber), trace fine-to-coarse gravel, trace organics, trace clay. PID = 0.0; FID = 0.0 44° 14′ 10.59″ North Latitude 70° 04′ 50.88″ West Longitude
SS-23	A3SX1 MA3SX1	11/18/10 0845	Grab	0 to 12	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to Debris Pile D on the southern portion of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown-to-dark brown, SILTY SAND, major debris (metal, rubber, foam, plastic, paper), trace fine gravel, trace organics, burned odor. PID = 0.0; FID = 0.0 44° 14′ 10.74″ North Latitude 70° 04′ 50.72″ West Longitude
SS-24	A3SX2 MA3SX2	11/18/10 0850	Grab	0 to 12	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to Debris Pile D on the southern portion of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown-to-cinnamon brown, fine SAND, some silt, little medium-to-coarse sand, trace fine-to-coarse gravel, trace clay. PID = 0.0; FID = 0.0 44° 14′ 10.53″ North Latitude 70° 04′ 50.33″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-25	A3SX3 MA3SX3	11/9/10 1357	Grab	6 to 18	Surface soil/source sample collected from a soil boring advanced using a hand auger from the Former Operations Area of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The sample was collected from a slight depression located approximately 20 feet northwest of the bottom toe-slope of Debris Pile D. The material was dark brown, SAND and SILT, some debris (wire, rubber, metal), trace organics, trace clay, trace fine gravel. PID = 0.0; FID = 0.0 44° 14′ 10.69″ North Latitude 70° 04′ 50.37″ West Longitude
SS-26	A3SX4 MA3SX4	11/9/10 1355	Grab	0 to 18	Surface soil/source sample collected from a soil boring advanced using a hand auger from the Former Operations Area of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The sample was collected approximately 10 feet northwest of the bottom toe-slope of Debris Pile D. The material was brown-to-dark brown, SAND and SILT, some debris (plastic, rubber, and metal), little clay, little fine-to-coarse gravel, trace organics. PID = 0.5; FID = 0.0 44° 14′ 10.45″ North Latitude 70° 04′ 49.91″ West Longitude
SS-27	A3SX5 MA3SX5	11/18/10 0854	Grab	12 to 14	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to Debris Pile D on the southern portion of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SAND and SILT, some debris (metal, plastic, and rubber), trace fine gravel, trace organics, trace clay. PID = 4.0; FID = 4.0 44° 14′ 10.62″ North Latitude 70° 04′ 50.62″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-28	A3SX6 MA3SX6	11/9/10 1355	Grab	6 to 15	Surface soil/source sample collected from a soil boring advanced using a hand auger from the eastern slope of Debris Pile D, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown-to-yellow-brown, SAND and SILT, major debris (metal, rubber, foam, plastic, wire, and wire coating), trace clay, trace organics. PID = 0.0; FID = 0.0 44° 14′ 09.90″ North Latitude 70° 04′ 49.24″ West Longitude
SS-29	A3SX7 MA3SX7	11/9/10 1400	Grab	12 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger from the southern slope of Debris Pile D, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown, SAND and SILT, major debris (plastic, wire, metal, rubber, and foam), trace organics, trace fine gravel, trace clay. PID = 0.0; FID = 0.0 44° 14′ 09.49″ North Latitude 70° 04′ 51.13″ West Longitude
SS-30	A3SX8 MA3SX8	11/9/10 1405	Grab	0 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger from the western slope of Debris Pile D, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SAND and SILT, major debris (plastic, paper, foam, metal, rubber, wood, and wire coating), trace clay. PID = 0.0; FID = 0.0 44° 14′ 09.91″ North Latitude 70° 04′ 51.54″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-31 (MS/MSD)	A3SX9 MA3SX9	11/9/10 1403	Grab	12 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger from the northern slope of Debris Pile D, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SAND and SILT, major debris (plastic, rubber, metal, chrome, wire, foam, and wire coating), trace organics. PID = 0.0; FID = 0.0 44° 14′ 10.49″ North Latitude 70° 04′ 50.70″ West Longitude
SS-32	A3SY0 MA3SY0	11/16/10 1340	Grab	0 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger from the northern slope of Debris Pile C on the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown-to-black, fine SAND, some debris (metal, plastic, wire coating, rubber, chrome), little silt, trace clay, trace organics. PID = 0.0; FID = 0.0 44° 14′ 12.42″ North Latitude 70° 04′ 49.43″ West Longitude
SS-33	A3SY1 MA3SY1	11/16/10 1330	Grab	12 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger from the southern slope of Debris Pile C on the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown-to-black, SAND and SILT, some debris (plastic, rubber, metal), trace organics, trace fine gravel. PID = 6.0; FID = 1.0 44° 14′ 11.90″ North Latitude 70° 04′ 49.65″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-34	A3SY2 MA3SY2	11/18/10 1225	Grab	18 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger from the surface of the western portion of Debris Pile B, on the southeastern corner of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SAND and SILT, some debris (foam, rubber, metal, fibrous material), trace clay, trace organics. PID = 0.0; FID = 0.0 44° 14′ 12.68″ North Latitude 70° 04′ 47.74″ West Longitude
SS-35	A3SY3 MA3SY3	11/18/10 1150	Grab	18 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger from the surface of the northeastern portion of Debris Pile B, on the southeastern corner of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown-to-black, major DEBRIS (rubber and cloth), little fine-to-coarse sand, little clay, trace organics, trace fine-to-coarse gravel. PID = 0.0; FID = 0.0 44° 14′ 13.00″ North Latitude 70° 04′ 45.00″ West Longitude
SS-36	A3SY4 MA3SY4	11/18/10 1201	Grab	18 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger from the southern slope of Debris Pile B, on the southeastern corner of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SILT, little debris (woven fabric, metal, rubber, and wire), little fine sand, trace organics, trace clay, trace medium-to-coarse sand. PID = 0.0; FID = 0.0 44° 14′ 11.82″ North Latitude 70° 04′ 46.59″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-37	A3SY5 MA3SY5	11/17/10 0935	Grab	0 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger from an area of drum disposal located south of the Leeds Metal property, along the southern property boundary, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown-to-cinnamon brown, fine SAND and SILT, trace organics, trace medium-to-coarse sand, trace clay. PID = 0.0; FID = 0.0 44° 14′ 11.75″ North Latitude 70° 04′ 42.90″ West Longitude
SS-38	A3SY6 MA3SY6	11/17/10 0857	Grab	6 to 10	Surface soil/source sample collected from a soil boring advanced using a hand auger from an area of drum disposal located along the southern property boundary of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SILT, little fine sand, trace organics, trace clay. PID = 0.0; FID = 0.0 44° 14′ 09.56″ North Latitude 70° 04′ 46.37″ West Longitude
SS-39	A3SY7 MA3SY7	11/17/10 0855	Grab	0 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger from an area of drum disposal located south of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SAND and SILT, major debris (rubber, plastic, wire, and foam), trace organics, trace clay. PID = 0.0; FID = 0.0 44° 14′ 11.45″ North Latitude 70° 04′ 43.06″ West Longitude

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Continued)					
SS-40	A3SY8 MA3SY8	11/17/10 1422	Grab	18 to 22	Surface soil/source sample collected from a soil boring advanced using a hand auger from a wooded area, located southeast of the lagoons in the northwestern portion of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The sample was collected near the western edge of an area containing surface debris. The material was light brown-to-brown, fine-to-coarse SAND, some silt, little fine gravel, trace clay. PID = 0.0; FID = 0.0 44° 14′ 10.86″ North Latitude 70° 04′ 54.54″ West Longitude
SS-41 (MS/MSD)	A3SY9 MA3SY9	11/17/10 1510	Grab	6 to 8	Surface soil/source sample collected from a soil boring advanced using a hand auger from a gully, within a wooded area along the site access road on the northeastern portion of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The sample was collected from a location among 55-gallon steel drums. The material was light brown-to-brown, fine SAND and SILT, trace organics and clay. PID = 0.0; FID = 0.0 44° 14′ 18.38″ North Latitude 70° 04′ 48.46″ West Longitude
SS-42	A3SZ0 MA3SZ0	11/17/10 1415	Grab	0 to 12	Surface soil/source sample collected from a soil boring advanced using a hand auger from a wooded area, located southeast of the lagoons in the northwestern portion of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The sample was collected near the western edge of an area containing surface debris. The material was brown, SAND and SILT, trace fine-to-medium gravel, trace organics, trace clay. PID = 0.0; FID = 0.0 44° 14′ 15.15″ North Latitude 70° 04′ 52.18″ West Longitude
SS-43	A3SZ1 MA3SZ1	11/16/10 1450	Grab	0 to 10	Field Duplicate of SS-05, collected for quality control.
SS-44	A3SZ2 MA3SZ2	11/11/10 0905	Grab	12 to 24	Field Duplicate of SS-20, collected for quality control.

Table 3

Surface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Concluded)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Surface Soil/Source (Concluded)					
SS-50 (MS/MSD)	A3T03 MA3T03	11/18/10 1430	Grab	2 to 6	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to (southwest of) the large concrete pad along the eastern property boundary of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was black, fine SAND and SILT, some debris (metal, wire, plastic), little medium-to-coarse sand, little fine gravel, trace clay. PID = 0.0; FID = 0.0 44° 14′ 14.80″ North Latitude 70° 04′ 45.41″ West Longitude
SS-52 (MS/MSD)	A3TR8 MA3TR8	11/30/10 1130	Grab	16 to 24	Surface soil/source sample collected from a soil boring advanced using a hand auger adjacent to (southwest of) the concrete pad located along the eastern border of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was olive-green-to-gray, SILT, some fine sand, trace organics, trace clay. PID = 0.0; FID = 0.0 44° 14′ 15.34″ North Latitude 70° 04′ 45.51″ West Longitude
SS-53	A3TR9 MA3TR9	11/30/10 1345	Grab	2 to 8	Field Duplicate of SS-15, collected for quality control.

MS/MSD	=	Matrix Spike/Matrix Spike Duplicate.	NR	=	Not recorded.
PID	=	Photoionization Detector.	FID	=	Flame Ionization Detector.
°	=	Degrees.	″	=	Seconds.
′	=	Minutes.	No.	=	Number.
bgs	=	Below ground surface.	hrs	=	Hours.
START	=	Superfund Technical Assessment and Response Team III.			

[1; 115-117]

Complete analytical results of START surface soil/source samples, including quantitation and reporting limits, are presented in *Attachment A* of this report. Sample results qualified with a "J" on analytical tables are considered approximate because of limitations identified during analytical data validation. Sample results qualified with a "U" on analytical tables indicate the substances were analyzed for, but not detected, and the associated numerical value is the sample-adjusted CRQL. Sample results qualified with a "UJ" on analytical tables indicate the substances were analyzed for, but not detected, and the associated numerical value is the estimated sample-adjusted CRQL. Sample results qualified with a "TB" on analytical tables indicate that the compound was identified in an aqueous trip blank used to assess field

contamination associated with surface soil/source samples. Sample results qualified with an "EB" on analytical tables indicate that the compound or element was identified in an aqueous equipment blank used to assess field contamination associated with surface soil/source samples. Sample results qualified with an "R" on analytical tables were rejected due to failure of one or more quality control parameters identified during data validation. For a list of substances and associated samples for which results were rejected, as well as the respective reasons for the rejections, see *Attachment A* of this report [89-98].

Complete analytical results of START equipment rinsate, trip, and preservative blank samples, collected by START in accordance with the Site-Specific Quality Assurance Project Plan (QAPP) for the Region I START Contract, are presented in *Attachment B* of this report [1; 89-117].

Table 4 is a summary of organic compounds and inorganic elements detected through laboratory analyses of START surface soil/source samples. For each sample location, a substance is listed if it is detected at a concentration greater than or equal to three times the highest reference sample's concentration [SS-01 and SS-02 (total metals only)]. However, if a substance is not detected in the reference samples, the reference sample-adjusted CRQL is used as the reference value. These substances are listed if they occurred at a value equal to or greater than the reference sample's sample-adjusted CRQL and are designated by their approximate relative concentration above these values. For substances where the reference samples have been rejected, the CRQL is used as the reference value [89-98].

Analytical results of START surface soil/source samples collected from the Leeds Metal property are compared against current ME DEP RAGs for Park User and for Excavation or Construction Worker scenarios [35]. The ME DEP RAGs are risk-based contaminant levels used to determine the levels of contaminants that can remain in the soil that will not impact public health [35]. These contaminant levels are divided into exposure scenarios, of which the Park User and the Excavation or Construction Worker scenarios are presented in this report. The Park User Exposure Scenario is based upon the use of a park, recreational area or other open space for recreational purposes and assumes a lower frequency of exposure than the Residential Scenario [35]. The Excavation or Construction Worker Scenario is based upon the activity of high-intensity soil disturbance activities of less than 6 months in duration [35]. Bolded values indicate the compound or element was detected at a concentration equal to or greater than its respective ME DEP RAG.

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-03	**INORGANICS**											
	Barium	202	J	mg/Kg	26.5	J	mg/Kg	7.6 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	0.99	J	mg/Kg	0.54	UJ	mg/Kg	1.8 × CRQL	18	mg/Kg	19	mg/Kg
	Copper	27.6	J	mg/Kg	5.7	J	mg/Kg	4.8 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Lead	78.8	JEB	mg/Kg	5.1	JEB	mg/Kg	15.5 × Ref	530	mg/Kg	950	mg/Kg
	Zinc	244	J	mg/Kg	15.7	J	mg/Kg	15.5 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-04	**INORGANICS**											
	Cadmium	0.77	J	mg/Kg	0.54	UJ	mg/Kg	1.4 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	1,750	J	mg/Kg	440	J	mg/Kg	4.0 × Ref	NL		NL	
	Lead	52.4	JEB	mg/Kg	5.1	JEB	mg/Kg	10.3 × Ref	530	mg/Kg	950	mg/Kg
	Zinc	131	J	mg/Kg	15.7	J	mg/Kg	8.3 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-05	**VOCs**											
	Methyl Acetate	11		µg/Kg	4.9	U	µg/Kg	2.2 × CRQL	NL		NL	
	INORGANICS											
	Potassium	1,500		mg/Kg	451	J	mg/Kg	3.3 × Ref	NL		NL	
SS-06	**INORGANICS**											
	Calcium	1,490		mg/Kg	440	J	mg/Kg	3.4 × Ref	NL		NL	
	Potassium	1,560	J	mg/Kg	451	J	mg/Kg	3.5 × Ref	NL		NL	
SS-07	**VOCs**											
	Butanone, 2-	24	TB	µg/Kg	9.7	U	µg/Kg	2.5 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	Trichlorobenzene, 1,2,3-	11	J	µg/Kg	2.2	J	µg/Kg	5.0 × CRQL	2.5E+06	µg/Kg	200,000	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-07	**PCBs**											
	Aroclor-1242	***8,000***		***µg/Kg***	42	U	µg/Kg	190.5 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	***11,000***		***µg/Kg***	42	U	µg/Kg	261.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	***12,000***		***µg/Kg***	42	U	µg/Kg	285.7 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Antimony	22.9	J	mg/Kg	6.5	U	mg/Kg	3.5 × CRQL	110	mg/Kg	120	mg/Kg
	Arsenic	**29.1**	**J**	**mg/Kg**	4.4		mg/Kg	6.6 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	1,940		mg/Kg	26.5	J	mg/Kg	73.2 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***48.3***		***mg/Kg***	0.54	UJ	mg/Kg	89.4 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	9,330		mg/Kg	440	J	mg/Kg	21.2 × Ref	NL		NL	
	Chromium	325		mg/Kg	17.9	J	mg/Kg	18.2 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Cobalt	30	J	mg/Kg	3.3	J	mg/Kg	9.1 × Ref	85	mg/Kg	920	mg/Kg
	Copper	2,260	J	mg/Kg	5.7	J	mg/Kg	396.5 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	162,000		mg/Kg	14,300	J	mg/Kg	11.3 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***3,630***		***mg/Kg***	5.1	JEB	mg/Kg	71.2 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	1,090	J	mg/Kg	70.1	J	mg/Kg	15.5 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.95		mg/Kg	0.052	J	mg/Kg	18.3 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	369		mg/Kg	9.9	J	mg/Kg	37.3 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	9,610	JEB	mg/Kg	15.7	J	mg/Kg	612.1 × Ref	85,000	mg/Kg	93,000	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-08	**INORGANICS**											
	Calcium	1,670	J	mg/Kg	440	J	mg/Kg	3.8 × Ref	NL		NL	
	Lead	16.4	J	mg/Kg	5.1	JEB	mg/Kg	3.2 × Ref	530	mg/Kg	950	mg/Kg
SS-09	**VOCs**											
	Bromomethane	6.2	J	µg/Kg	4.9	U	µg/Kg	1.2 × CRQL	390,000	µg/Kg	850,000	µg/Kg
	Butanone, 2-	84	J	µg/Kg	9.7	U	µg/Kg	7.8 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1248	490	J	µg/Kg	42	U	µg/Kg	11.7 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	1,000		µg/Kg	42	U	µg/Kg	23.8 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	2,500	J	µg/Kg	42	U	µg/Kg	59.5× CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Aluminum	37,900	J	mg/Kg	12,400	EB	mg/Kg	3.1 × Ref	280,000	mg/Kg	310,000	mg/Kg
	Arsenic	***109***	***J***	***mg/Kg***	4.4		mg/Kg	24.8× Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	4,100	J	mg/Kg	26.5	J	mg/Kg	154.7 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***104***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	192.6 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	8,480	J	mg/Kg	440	J	mg/Kg	19.3 × Ref	NL		NL	
	Chromium	361		mg/Kg	17.9	J	mg/Kg	20.2× Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	2,350	J	mg/Kg	5.7	J	mg/Kg	412.3 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***494,000***	***J***	***mg/Kg***	14,300	J	mg/Kg	34.5 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***2,520***	***J***	***mg/Kg***	5.1	JEB	mg/Kg	494.1 × Ref	530	mg/Kg	950	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-09	**INORGANICS**											
	Manganese	1,970	J	mg/Kg	70.1	J	mg/Kg	28.1 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Magnesium	11,100	J	mg/Kg	2,440		mg/Kg	4.5 × Ref	NL		NL	
	Mercury	0.57	J	mg/Kg	0.052	J	mg/Kg	11.0 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	***1,290***	***J***	***mg/Kg***	9.9	J	mg/Kg	130.3 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	4,820	J	mg/Kg	451	J	mg/Kg	10.7 × Ref	NL		NL	
	Silver	45.7	J	mg/Kg	R	1.0	mg/Kg	45.7 × CRQL*	1,400	mg/Kg	1,500	mg/Kg
	Sodium	1,790	J	mg/Kg	R	500	mg/Kg	3.6 × CRQL*	NL		NL	
	Thallium	**49.3**	**J**	**mg/Kg**	2.7	U	mg/Kg	18.3 × CRQL	23	mg/Kg	250	mg/Kg
	Zinc	24,300	JEB	mg/Kg	15.7	J	mg/Kg	1,548 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-10	**PCBs**											
	Aroclor-1254	340		µg/Kg	42	U	µg/Kg	8.1 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	440		µg/Kg	42	U	µg/Kg	10.5 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Barium	163		mg/Kg	26.5	J	mg/Kg	6.2 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	4.3		mg/Kg	0.54	UJ	mg/Kg	8.0 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	1,870		mg/Kg	440	J	mg/Kg	4.3 × Ref	NL		NL	
	Copper	142	J	mg/Kg	5.7	J	mg/Kg	24.9 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Lead	304		mg/Kg	5.1	JEB	mg/Kg	59.6 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	353	J	mg/Kg	70.1	J	mg/Kg	5.0 × Ref	6,800	mg/Kg	7,400	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-10	**INORGANICS**											
	Mercury	0.25		mg/Kg	0.052	J	mg/Kg	4.8 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	66.2		mg/Kg	9.9	J	mg/Kg	6.7 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	1,920		mg/Kg	451	J	mg/Kg	4.3 × Ref	NL		NL	
	Zinc	1,220	JEB	mg/Kg	15.7	J	mg/Kg	77.7 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-11	**INORGANICS**											
	Potassium	1,960		mg/Kg	451	J	mg/Kg	4.3 × Ref	NL		NL	
SS-12	**VOCs**											
	Butanone, 2-	14	TB	µg/Kg	9.7	U	µg/Kg	1.4 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1242	470	J	µg/Kg	42	U	µg/Kg	11.2 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	1,700		µg/Kg	42	U	µg/Kg	40.5 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	1,000		µg/Kg	42	U	µg/Kg	23.8 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Antimony	8.8	J	mg/Kg	6.5	U	mg/Kg	1.4 × CRQL	110	mg/Kg	120	mg/Kg
	Arsenic†	**9.1**	**J**	**mg/Kg**		NA		NA	9[1]	mg/Kg	42	mg/Kg
	Barium	267		mg/Kg	26.5	J	mg/Kg	10.1 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	8.3		mg/Kg	0.54	UJ	mg/Kg	× CRQL	18	mg/Kg	19	mg/Kg
	Calcium	1,910		mg/Kg	440	J	mg/Kg	4.3 × Ref	NL		NL	
	Chromium	96.5		mg/Kg	17.9	J	mg/Kg	5.4 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-12	**INORGANICS**											
	Cobalt	14.4	J	mg/Kg	3.3	J	mg/Kg	4.4 × Ref	85	mg/Kg	920	mg/Kg
	Copper	237	J	mg/Kg	5.7	J	mg/Kg	41.6 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	81,500		mg/Kg	14,300	J	mg/Kg	5.7 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	**656**		**mg/Kg**	5.1	JEB	mg/Kg	128.6 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	511	J	mg/Kg	70.1	J	mg/Kg	7.3 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Nickel	182		mg/Kg	9.9	J	mg/Kg	18.4 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	1,510	JEB	mg/Kg	15.7	J	mg/Kg	96.2 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-13	**VOCs**											
	Butanone, 2-	12	TB	µg/Kg	9.7	U	µg/Kg	1.2 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1242	110		µg/Kg	42	U	µg/Kg	2.6 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	1,100		µg/Kg	42	U	µg/Kg	26.2 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	2,600		µg/Kg	42	U	µg/Kg	61.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Antimony	***124***	***J***	***mg/Kg***	6.5	U	mg/Kg	19.1 × CRQL	110	mg/Kg	120	mg/Kg
	Arsenic	***50.2***	***J***	***mg/Kg***	4.4		mg/Kg	11.4 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	676		mg/Kg	26.5	J	mg/Kg	25.5 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***38.5***		***mg/Kg***	0.54	UJ	mg/Kg	71.3 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	3,990		mg/Kg	440	J	mg/Kg	9.1 × Ref	NL		NL	

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		*ME DEP RAGs* Excavation or Construction Worker	
SS-13	**INORGANICS**											
	Chromium	338		mg/Kg	17.9	J	mg/Kg	18.9 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Cobalt	25	J	mg/Kg	3.3	J	mg/Kg	7.6 × Ref	85	mg/Kg	920	mg/Kg
	Copper	1,890	J	mg/Kg	5.7	J	mg/Kg	331.6 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***301,000***		***mg/Kg***	14,300	J	mg/Kg	21.0 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***5,190***		***mg/Kg***	5.1	JEB	mg/Kg	1,018 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	1,590	J	mg/Kg	70.1	J	mg/Kg	22.7 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Nickel	397		mg/Kg	9.9	J	mg/Kg	40.1 × Ref	850	mg/Kg	930	mg/Kg
	Vanadium	83.3		mg/Kg	22.5		mg/Kg	3.7 × Ref	2,000	mg/Kg	2,200	mg/Kg
	Zinc	8,120	JEB	mg/Kg	15.7	J	mg/Kg	517.2 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-14	**PCBs**											
	Aroclor-1242	56	J	µg/Kg	42	U	µg/Kg	1.3 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	390		µg/Kg	42	U	µg/Kg	9.3 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	550		µg/Kg	42	U	µg/Kg	13.1 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Barium	246		mg/Kg	26.5	J	mg/Kg	9.3 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	5.9		mg/Kg	0.54	UJ	mg/Kg	10.9 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	3,390		mg/Kg	440	J	mg/Kg	7.7 × Ref	NL		NL	
	Copper	126	J	mg/Kg	5.7	J	mg/Kg	22.1 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Lead	250		mg/Kg	5.1	JEB	mg/Kg	3.7 × Ref	530	mg/Kg	950	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	ME DEP RAGs Park User	ME DEP RAGs Excavation or Construction Worker
SS-14	**INORGANICS**					
	Manganese	259 J mg/Kg	70.1 J mg/Kg	5.0 × Ref	6,800 mg/Kg	7,400 mg/Kg
	Nickel	48.9 mg/Kg	9.9 J mg/Kg	4.9 × Ref	850 mg/Kg	930 mg/Kg
	Potassium	1,720 mg/Kg	451 J mg/Kg	3.8 × Ref	NL	NL
	Zinc	683 JEB mg/Kg	15.7 J mg/Kg	43.5 × Ref	85,000 mg/Kg	93,000 mg/Kg
SS-15	**PCBs**					
	Aroclor-1254	89 µg/Kg	42 U µg/Kg	2.1 × CRQL	4,100[3] µg/Kg	6,500[3] µg/Kg
	Aroclor-1260	84 µg/Kg	42 U µg/Kg	2.0 × CRQL	4,100[3] µg/Kg	6,500[3] µg/Kg
	INORGANICS					
	Arsenic †	**12.9 J mg/Kg**	NA	NA	9[1] mg/Kg	42 mg/Kg
	Barium	194 mg/Kg	26.5 J mg/Kg	7.3 × Ref	57,000 mg/Kg	62,000 mg/Kg
	Cadmium	2.5 mg/Kg	0.54 UJ mg/Kg	4.6 × CRQL	18 mg/Kg	19 mg/Kg
	Calcium	9,270 mg/Kg	440 J mg/Kg	21.1 × Ref	NL	NL
	Chromium	81.1 mg/Kg	17.9 J mg/Kg	4.5 × Ref	430,000[2] mg/Kg	460,000[2] mg/Kg
	Cobalt	16.9 J mg/Kg	3.3 J mg/Kg	5.1 × Ref	85 mg/Kg	920 mg/Kg
	Copper	1,480 J mg/Kg	5.7 J mg/Kg	259.6 × Ref	4,000 mg/Kg	4,300 mg/Kg
	Lead	155 mg/Kg	5.1 JEB mg/Kg	30.4 × Ref	530 mg/Kg	950 mg/Kg
	Manganese	375 J mg/Kg	70.1 J mg/Kg	5.3 × Ref	6,800 mg/Kg	7,400 mg/Kg
	Magnesium	8,870 mg/Kg	2,440 mg/Kg	3.6 × Ref	NL	NL

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-15	**INORGANICS**											
	Mercury	0.28		mg/Kg	0.052	J	mg/Kg	5.4 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	90		mg/Kg	9.9	J	mg/Kg	9.1 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	5,000		mg/Kg	451	J	mg/Kg	11.1 × Ref	NL		NL	
	Sodium	896	J	mg/Kg	R	500	mg/Kg	1.8 × CRQL*	NL		NL	
	Zinc	522	J	mg/Kg	15.7	J	mg/Kg	33.2 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-16	**VOCs**											
	Butanone, 2-	21	J	µg/Kg	9.7	U	µg/Kg	2.2 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	Ethylbenzene	11	J	µg/Kg	4.9	U	µg/Kg	2.2 × CRQL	2.1E+06	µg/Kg	2.7E+07	µg/Kg
	Xylene, o-	7	J	µg/Kg	4.9	U	µg/Kg	1.4 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	Xylene, m,p-	24	J	µg/Kg	4.9	U	µg/Kg	4.9 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	Styrene	9.6	J	µg/Kg	4.9	U	µg/Kg	1.9 × CRQL	5.6E+07	µg/Kg	7.6E+07	µg/Kg
	PCBs											
	Aroclor-1248	190		µg/Kg	42	U	µg/Kg	4.5 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	900		µg/Kg	42	U	µg/Kg	21.4 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	1,600	J	µg/Kg	42	U	µg/Kg	38.1 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Arsenic	***95.5***	***J***	***mg/Kg***	4.4		mg/Kg	21.7 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	2,010	J	mg/Kg	26.5	J	mg/Kg	75.8 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***37.5***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	69.4 × CRQL	18	mg/Kg	19	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-16	**INORGANICS**											
	Calcium	8,450	J	mg/Kg	440	J	mg/Kg	19.2 × Ref	NL		NL	
	Chromium	245		mg/Kg	17.9	J	mg/Kg	13.7 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	1,100	J	mg/Kg	5.7	J	mg/Kg	193.0 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***637,000***	***J***	***mg/Kg***	14,300	J	mg/Kg	44.5 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***1,820***	***J***	***mg/Kg***	5.1	JEB	mg/Kg	356.9 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	2,510	J	mg/Kg	70.1	J	mg/Kg	35.8 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Nickel	513	J	mg/Kg	9.9	J	mg/Kg	51.8 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	5,670	J	mg/Kg	451	J	mg/Kg	12.6 × Ref	NL		NL	
	Silver	50.4	J	mg/Kg	R	1.0	mg/Kg	50.4 × CRQL*	1,400	mg/Kg	1,500	mg/Kg
	Sodium	2,530	J	mg/Kg	R	500	mg/Kg	5.1 × CRQL*	NL		NL	
	Vanadium	68.3	J	mg/Kg	22.5		mg/Kg	3.0 × Ref	2,000	mg/Kg	2,200	mg/Kg
	Zinc	10,700	JEB	mg/Kg	15.7	J	mg/Kg	681.5 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-17	**PCBs**											
	Aroclor-1254	180		µg/Kg	42	U	µg/Kg	4.3 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	470		µg/Kg	42	U	µg/Kg	11.2 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Aluminum	136,000		mg/Kg	12,400		mg/Kg	11.0 × Ref	280,000	mg/Kg	310,000	mg/Kg
	Arsenic	***164***	***J***	***mg/Kg***	4.4		mg/Kg	37.3 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	4,670	J	mg/Kg	26.5	J	mg/Kg	176.2 × Ref	57,000	mg/Kg	62,000	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-17	**INORGANICS**											
	Cadmium	***70.1***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	129.8 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	23,900	J	mg/Kg	440	J	mg/Kg	54.3 × Ref	NL		NL	
	Chromium	587		mg/Kg	17.9	J	mg/Kg	32.8 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	1,990	J	mg/Kg	5.7	J	mg/Kg	349.1 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***705,000***		***mg/Kg***	14,300	J	mg/Kg	49.3 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***2,480***		***mg/Kg***	5.1	JEB	mg/Kg	486.3 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	49,100	J	mg/Kg	2,440		mg/Kg	20.1 × Ref	NL		NL	
	Manganese	4,280	EB	mg/Kg	70.1	J	mg/Kg	61.1 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.32		mg/Kg	0.052	J	mg/Kg	6.2 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	***1,030***	***J***	***mg/Kg***	9.9	J	mg/Kg	104.0 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	17,700	J	mg/Kg	451	J	mg/Kg	39.2 × Ref	NL		NL	
	Selenium	179	J	mg/Kg	3.8	U	mg/Kg	47.1 × CRQL	570	mg/Kg	1,500	mg/Kg
	Sodium	5,090	J	mg/Kg	R	500	mg/Kg	10.2 × CRQL*	NL		NL	
	Vanadium	277	J	mg/Kg	22.5		mg/Kg	12.3 × Ref	2,000	mg/Kg	2,200	mg/Kg
	Zinc	18,700	JEB	mg/Kg	15.7	J	mg/Kg	1,191 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-18	**INORGANICS**											
	Cadmium	0.56	J	mg/Kg	0.54	UJ	mg/Kg	1.0 × CRQL	18	mg/Kg	19	mg/Kg
	Cobalt	10.5	J	mg/Kg	3.3	J	mg/Kg	3.2 × Ref	85	mg/Kg	920	mg/Kg
	Copper	28.7	J	mg/Kg	5.7	J	mg/Kg	5.0 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Lead	26.9		mg/Kg	5.1	JEB	mg/Kg	5.3 × Ref	530	mg/Kg	950	mg/Kg
	Zinc	142	JEB	mg/Kg	15.7	J	mg/Kg	9.0 × Ref	85,000	mg/Kg	93,000	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-19	**PCBs**											
	Aroclor-1254	120		µg/Kg	42	U	µg/Kg	2.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	58		µg/Kg	42	U	µg/Kg	1.4 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Calcium	1,400		mg/Kg	440	J	mg/Kg	3.2 × Ref	NL		NL	
	Zinc	84.4	J	mg/Kg	15.7	J	mg/Kg	5.4 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-20	**VOCs**											
	Methyl Acetate	240	J	µg/Kg	4.9	U	µg/Kg	49.0 × CRQL	NL		NL	
	Styrene	13	J	µg/Kg	4.9	U	µg/Kg	2.7 × CRQL	5.6E+07	µg/Kg	7.6E+07	µg/Kg
	Tetrachloroethene	490		µg/Kg	4.9	U	µg/Kg	100.0 × CRQL	44,000	µg/Kg	790,000	µg/Kg
	Xylene, m,p-	19	J	µg/Kg	4.9	U	µg/Kg	3.9 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	Xylene, o-	6.0	J	µg/Kg	4.9	U	µg/Kg	1.2 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	PCBs											
	Aroclor-1254	1,800		µg/Kg	42	U	µg/Kg	42.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	690		µg/Kg	42	U	µg/Kg	16.4 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	60	J	µg/Kg	42	U	µg/Kg	1.4 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Barium	157	J	mg/Kg	26.5	J	mg/Kg	5.9 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	3.5	J	mg/Kg	0.54	UJ	mg/Kg	6.5 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	2,440	J	mg/Kg	440	J	mg/Kg	5.5 × Ref	NL		NL	

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-20	**INORGANICS**											
	Copper	1,000	J	mg/Kg	5.7	J	mg/Kg	175.4 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	60,400	J	mg/Kg	14,300	J	mg/Kg	4.2 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	167	J	mg/Kg	5.1	JEB	mg/Kg	32.7 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	260	JEB	mg/Kg	70.1	J	mg/Kg	3.7 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.16	J	mg/Kg	0.052	J	mg/Kg	3.1 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	61.8	J	mg/Kg	9.9	J	mg/Kg	6.2 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	3,410	J	mg/Kg	15.7	J	mg/Kg	217.2 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-21	**VOCs**											
	Bromomethane	6.7	J	µg/Kg	4.9	U	µg/Kg	1.4 × CRQL	390,000	µg/Kg	850,000	µg/Kg
	Butanone, 2-	19	EB	µg/Kg	9.7	U	µg/Kg	2.0 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1242	56	J	µg/Kg	42	U	µg/Kg	1.3 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	810		µg/Kg	42	U	µg/Kg	19.3 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	2,500		µg/Kg	42	U	µg/Kg	59.5 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Aluminum	55,200		mg/Kg	12,400	EB	mg/Kg	4.5 × Ref	280,000	mg/Kg	310,000	mg/Kg
	Barium	9,250	J	mg/Kg	26.5	J	mg/Kg	349.1 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Beryllium	72.2	J	mg/Kg	0.54	UJ	mg/Kg	133.7 × CRQL	570	mg/Kg	620	mg/Kg
	Cadmium	***183***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	338.9 × CRQL	18	mg/Kg	19	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-21	**INORGANICS**											
	Calcium	36,800	J	mg/Kg	440	J	mg/Kg	83.6 × Ref	NL		NL	
	Chromium	606		mg/Kg	17.9	J	mg/Kg	33.9 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Cobalt	**85.4**	**J**	**mg/Kg**	3.3	J	mg/Kg	25.9 × Ref	85	mg/Kg	920	mg/Kg
	Copper	***10,300***		***mg/Kg***	5.7	J	mg/Kg	1,807 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***1,160,000***		***mg/Kg***	14,300	J	mg/Kg	81.1 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***9,140***	***J***	***mg/Kg***	5.1	JEB	mg/Kg	1,792 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	68,200	J	mg/Kg	2,440		mg/Kg	28.0 × Ref	NL		NL	
	Manganese	5,610	EB	mg/Kg	70.1	J	mg/Kg	80.0 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	1.3		mg/Kg	0.052	J	mg/Kg	25.0 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	***1,610***	***J***	***mg/Kg***	9.9	J	mg/Kg	162.6 × Ref	850	mg/Kg	930	mg/Kg
	Sodium	1,770	J	mg/Kg	R	500	mg/Kg	3.5 × CRQL*	NL		NL	
	Vanadium	105	J	mg/Kg	22.5		mg/Kg	4.7 × Ref	2,000	mg/Kg	2,200	mg/Kg
	Zinc	48,000	JEB	mg/Kg	15.7	J	mg/Kg	3,057 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-22	**VOCs**											
	Methyl Acetate	180	J	µg/Kg	4.9	U	µg/Kg	36.7 × CRQL	NL		NL	
	Tetrachloroethene	3,800		µg/Kg	4.9	U	µg/Kg	775.5 × CRQL	44,000	µg/Kg	790,000	µg/Kg
	Xylene, m,p-	9.5	J	µg/Kg	4.9	U	µg/Kg	1.9 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	PCBs											
	Aroclor-1254	750		µg/Kg	42	U	µg/Kg	17.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	350	J	µg/Kg	42	U	µg/Kg	8.3 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs -Park User		ME DEP RAGs Excavation or Construction Worker	
SS-22	**INORGANICS**											
	Barium	196	J	mg/Kg	26.5	J	mg/Kg	7.4 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	4.8	J	mg/Kg	0.54	UJ	mg/Kg	8.9 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	2,500		mg/Kg	440	J	mg/Kg	5.7 × Ref	NL		NL	
	Copper	380	J	mg/Kg	5.7	J	mg/Kg	66.7 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Lead	198		mg/Kg	5.1	JEB	mg/Kg	38.8 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	306	EB	mg/Kg	70.1	J	mg/Kg	4.4 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Nickel	44.1		mg/Kg	9.9	J	mg/Kg	4.5 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	1,510	J	mg/Kg	451	J	mg/Kg	3.3 × Ref	NL		NL	
	Zinc	2,020	JEB	mg/Kg	15.7	J	mg/Kg	128.7 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-23	**VOCs**											
	Methyl Acetate	430		µg/Kg	4.9	U	µg/Kg	87.8 × CRQL	NL		NL	
	Tetrachloroethene	1,300		µg/Kg	4.9	U	µg/Kg	265.3 × CRQL	44,000	µg/Kg	790,000	µg/Kg
	Toluene	26	EB	µg/Kg	4.9	U	µg/Kg	5.3 × CRQL	2.3E+07	µg/Kg	2.0E+08	µg/Kg
	Xylene, m,p-	16	J	µg/Kg	4.9	U	µg/Kg	3.3 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	PCBs											
	Aroclor-1242	43	J	µg/Kg	42	U	µg/Kg	1.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	960		µg/Kg	42	U	µg/Kg	22.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	1,200	J	µg/Kg	42	U	µg/Kg	28.6 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-23	**INORGANICS**											
	Aluminum	37,400		mg/Kg	12,400	EB	mg/Kg	3.0 × Ref	280,000	mg/Kg	310,000	mg/Kg
	Arsenic	***158***	***J***	***mg/Kg***	4.4		mg/Kg	35.9 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	2,810	J	mg/Kg	26.5	J	mg/Kg	106.0 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***77***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	142.6 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	12,600	J	mg/Kg	440	J	mg/Kg	28.6 × Ref	NL		NL	
	Chromium	374	J	mg/Kg	17.9	J	mg/Kg	20.9 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	***6,020***	***J***	***mg/Kg***	5.7	J	mg/Kg	1,056 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***281,000***		***mg/Kg***	14,300	J	mg/Kg	19.7 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***3,000***		***mg/Kg***	5.1	JEB	mg/Kg	588.2 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	13,100	J	mg/Kg	2,440		mg/Kg	5.4 × Ref	NL		NL	
	Manganese	1,860	EB	mg/Kg	70.1	J	mg/Kg	26.5 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.63		mg/Kg	0.052	J	mg/Kg	12.1 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	715	J	mg/Kg	9.9	J	mg/Kg	72.2 × Ref	850	mg/Kg	930	mg/Kg
	Sodium	2,730	J	mg/Kg	R	500	mg/Kg	5.5 × CRQL*	NL		NL	
	Vanadium	96.6	J	mg/Kg	22.5		mg/Kg	4.3 × Ref	2,000	mg/Kg	2,200	mg/Kg
	Zinc	19,900	JEB	mg/Kg	15.7	J	mg/Kg	1,268 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-24	**PCBs**											
	Aroclor-1260	94		µg/Kg	42	U	µg/Kg	2.2 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-24	**INORGANICS**											
	Barium	135	J	mg/Kg	26.5	J	mg/Kg	5.1 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	0.85	J	mg/Kg	0.54	UJ	mg/Kg	1.6 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	1,680		mg/Kg	440	J	mg/Kg	3.8 × Ref	NL		NL	
	Copper	171		mg/Kg	5.7	J	mg/Kg	30 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Lead	36.4		mg/Kg	5.1	JEB	mg/Kg	7.1 × Ref	530	mg/Kg	950	mg/Kg
	Potassium	1,450	J	mg/Kg	451	J	mg/Kg	3.2 × Ref	NL		NL	
	Zinc	380	JEB	mg/Kg	15.7	J	mg/Kg	24.2 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-25	**VOCs**											
	Ethylbenzene	9.1	J	µg/Kg	4.9	U	µg/Kg	1.9 × CRQL	2.1E+06	µg/Kg	2.7E+07	µg/Kg
	Methyl Acetate	430		µg/Kg	4.9	U	µg/Kg	87.8 × CRQL	NL		NL	
	Methyl Tert-butyl Ether	6.7	J	µg/Kg	4.9	U	µg/Kg	1.4 × CRQL	8.5E+06	µg/Kg	7.8E+07	µg/Kg
	Styrene	19	J	µg/Kg	4.9	U	µg/Kg	3.9 × CRQL	5.6E+07	µg/Kg	7.6E+07	µg/Kg
	Tetrachloroethene	1,900		µg/Kg	4.9	U	µg/Kg	387.8 × CRQL	44,000	µg/Kg	790,000	µg/Kg
	Xylene, m,p-	21	J	µg/Kg	4.9	U	µg/Kg	4.3 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	Xylene, o-	9.3	J	µg/Kg	4.9	U	µg/Kg	1.9 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	PCBs											
	Aroclor-1254	850		µg/Kg	42	U	µg/Kg	20.2 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	1,400		µg/Kg	42	U	µg/Kg	33.3 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	130	J	µg/Kg	42	U	µg/Kg	3.1 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-25	**INORGANICS**											
	Arsenic	**13.4**	**J**	**mg/Kg**	4.4		mg/Kg	3.0 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	953	J	mg/Kg	26.5	J	mg/Kg	36.0 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***26***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	48.1 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	4,390	J	mg/Kg	440	J	mg/Kg	10.0 × Ref	NL		NL	
	Chromium	76.5	J	mg/Kg	17.9	J	mg/Kg	4.3 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Cobalt	13.6	J	mg/Kg	3.3	J	mg/Kg	4.1 × Ref	85	mg/Kg	920	mg/Kg
	Copper	***4,970***	***J***	***mg/Kg***	5.7	J	mg/Kg	871.9 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***292,000***	***J***	***mg/Kg***	14,300	J	mg/Kg	20.4 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	**929**	**JEB**	**mg/Kg**	5.1	JEB	mg/Kg	182.2 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	1,940	J	mg/Kg	70.1	J	mg/Kg	27.7 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.49	J	mg/Kg	0.052	J	mg/Kg	9.4 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	199	J	mg/Kg	9.9	J	mg/Kg	20.1 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	38,300	J	mg/Kg	15.7	J	mg/Kg	2,439 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-26	**PCBs**											
	Aroclor-1254	1,200		µg/Kg	42	U	µg/Kg	28.6 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	2,400		µg/Kg	42	U	µg/Kg	57.1 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	130	J	µg/Kg	42	U	µg/Kg	3.1 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Antimony	10.1	J	mg/Kg	6.5	U	mg/Kg	1.6 × CRQL	110	mg/Kg	120	mg/Kg
	Arsenic	**16.4**	**J**	**mg/Kg**	4.4		mg/Kg	3.7 × Ref	9[1]	mg/Kg	42	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-26	**INORGANICS**											
	Barium	1,830	J	mg/Kg	26.5	J	mg/Kg	69.1 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***32.1***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	59.4 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	3,460	J	mg/Kg	440	J	mg/Kg	7.9 × Ref	NL		NL	
	Chromium	100	J	mg/Kg	17.9	J	mg/Kg	5.6 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Cobalt	18.7	J	mg/Kg	3.3	J	mg/Kg	5.7 × Ref	85	mg/Kg	920	mg/Kg
	Copper	3,370	J	mg/Kg	5.7	J	mg/Kg	591.2 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	126,000	J	mg/Kg	14,300	J	mg/Kg	8.8 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***3,890***	***JEB***	***mg/Kg***	5.1	JEB	mg/Kg	762.7 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	699	J	mg/Kg	70.1	J	mg/Kg	9.8 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.92	J	mg/Kg	0.052	J	mg/Kg	17.7 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	***1,080***	***J***	***mg/Kg***	9.9	J	mg/Kg	109.1 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	40,400	J	mg/Kg	15.7	J	mg/Kg	2,573 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-27	**VOCs**											
	Methyl Acetate	99	J	µg/Kg	4.9	U	µg/Kg	20.2 × CRQL	NL		NL	
	Tetrachloroethene	10,000		µg/Kg	4.9	U	µg/Kg	2,041 × CRQL	44,000	µg/Kg	790,000	µg/Kg
	Toluene	16	EB	µg/Kg	4.9	U	µg/Kg	3.3 × CRQL	2.3E+07	µg/Kg	2.0E+08	µg/Kg
	PCBs											
	Aroclor-1242	80	J	µg/Kg	42	U	µg/Kg	1.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	490	J	µg/Kg	42	U	µg/Kg	11.7 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	1,200		µg/Kg	42	U	µg/Kg	28.6 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-27	**INORGANICS**											
	Barium	3,820	J	mg/Kg	26.5	J	mg/Kg	144.2 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Beryllium	48.9	J	mg/Kg	0.54	UJ	mg/Kg	90.6 × CRQL	570	mg/Kg	620	mg/Kg
	Cadmium	***61***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	113.0 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	6,940	J	mg/Kg	440	J	mg/Kg	15.8 × Ref	NL		NL	
	Chromium	252	J	mg/Kg	17.9	J	mg/Kg	14.1 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	2,930		mg/Kg	5.7	J	mg/Kg	514.0 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	**210,000**		**mg/Kg**	14,300	J	mg/Kg	14.7 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***1,710***		***mg/Kg***	5.1	JEB	mg/Kg	353.3 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	41,900	J	mg/Kg	2,440		mg/Kg	17.2 × Ref	NL		NL	
	Manganese	1,230	EB	mg/Kg	70.1	J	mg/Kg	17.5 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.72		mg/Kg	0.052	J	mg/Kg	13.8 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	497	J	mg/Kg	9.9	J	mg/Kg	50.2 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	17,700	JEB	mg/Kg	15.7	J	mg/Kg	1,127 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-28	**VOCs**											
	Butanone, 2-	35		µg/Kg	9.7	U	µg/Kg	3.6 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1254	***27,000***		***µg/Kg***	42	U	µg/Kg	642.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	***6,600***		***µg/Kg***	42	U	µg/Kg	157.1 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	400	J	µg/Kg	42	U	µg/Kg	9.5 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-28	**INORGANICS**											
	Antimony	31.6	J	mg/Kg	6.5	U	mg/Kg	4.9 × CRQL	110	mg/Kg	120	mg/Kg
	Arsenic	**28.4**	**J**	**mg/Kg**	4.4		mg/Kg	6.5 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	1,640	J	mg/Kg	26.5	J	mg/Kg	61.9 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***35.9***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	66.5 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	15,500	J	mg/Kg	440	J	mg/Kg	35.2 × Ref	NL		NL	
	Chromium	143	J	mg/Kg	17.9	J	mg/Kg	8.0 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Cobalt	23.6	J	mg/Kg	3.3	J	mg/Kg	7.2 × Ref	85	mg/Kg	920	mg/Kg
	Copper	***7,630***	***J***	***mg/Kg***	5.7	J	mg/Kg	1,339 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***374,000***	***J***	***mg/Kg***	14,300	J	mg/Kg	26.2 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***6,040***	***JEB***	***mg/Kg***	5.1	JEB	mg/Kg	1,184 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	8,970	J	mg/Kg	2,440		mg/Kg	3.7 × Ref	NL		NL	
	Manganese	2,250	J	mg/Kg	70.1	J	mg/Kg	32.1 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	1.4	J	mg/Kg	0.052	J	mg/Kg	26.9 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	***1,740***	***J***	***mg/Kg***	9.9	J	mg/Kg	175.8 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	**85,900**	**J**	**mg/Kg**	15.7	J	mg/Kg	5,471 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-29	**VOCs**											
	Butanone, 2-	38	J	µg/Kg	9.7	U	µg/Kg	3.9 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1254	3,600		µg/Kg	42	U	µg/Kg	85.7 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	**5,000**		**µg/Kg**	42	U	µg/Kg	119.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	370	J	µg/Kg	42	U	µg/Kg	8.8 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-29	**INORGANICS**											
	Antimony	45.9	J	mg/Kg	6.5	U	mg/Kg	7.1 × CRQL	110	mg/Kg	120	mg/Kg
	Arsenic	**32.4**	**J**	**mg/Kg**	4.4		mg/Kg	7.4 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	1,500	J	mg/Kg	26.5	J	mg/Kg	56.6 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***42***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	77.8 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	8,570	J	mg/Kg	440	J	mg/Kg	19.5 × Ref	NL		NL	
	Chromium	661	J	mg/Kg	17.9	J	mg/Kg	36.9 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Cobalt	77.7		mg/Kg	3.3	J	mg/Kg	23.5 × Ref	85	mg/Kg	920	mg/Kg
	Copper	***12,500***	***J***	***mg/Kg***	5.7	J	mg/Kg	2,193 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***392,000***	***J***	***mg/Kg***	14,300	J	mg/Kg	27.4 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***5,610***	***JEB***	***mg/Kg***	5.1	JEB	mg/Kg	1,100 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	2,380	J	mg/Kg	70.1	J	mg/Kg	34.0 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	1.5	J	mg/Kg	0.052	J	mg/Kg	28.8 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	***3,560***	***J***	***mg/Kg***	9.9	J	mg/Kg	359.6 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	***97,300***	***J***	***mg/Kg***	15.7	J	mg/Kg	6,197 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-30	**VOCs**											
	Bromomethane	11	J	µg/Kg	4.9	U	µg/Kg	2.2 × CRQL	390,000	µg/Kg	850,000	µg/Kg
	Butanone, 2-	43		µg/Kg	9.7	U	µg/Kg	4.4 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1248	2,000	J	µg/Kg	42	U	µg/Kg	47.6 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	**6,400**		**µg/Kg**	42	U	µg/Kg	152.4 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-30	**PCBs**											
	Aroclor-1260	**6,000**		**µg/Kg**	42	U	µg/Kg	142.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	560	J	µg/Kg	42	U	µg/Kg	13.3 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Arsenic	**28.9**	**J**	**mg/Kg**	4.4		mg/Kg	6.6 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	1,590	J	mg/Kg	26.5	J	mg/Kg	60.0 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***46***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	85.2 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	11,100	J	mg/Kg	440	J	mg/Kg	25.2 × Ref	NL		NL	
	Chromium	199	J	mg/Kg	17.9	J	mg/Kg	11.1 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Cobalt	17.1	J	mg/Kg	3.3	J	mg/Kg	5.2 × Ref	85	mg/Kg	920	mg/Kg
	Copper	***6,400***	***J***	***mg/Kg***	5.7	J	mg/Kg	1,123 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***417,000***	***J***	***mg/Kg***	14,300	J	mg/Kg	29.2 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***5,260***	***JEB***	***mg/Kg***	5.1	JEB	mg/Kg	1,031 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	2,420	J	mg/Kg	70.1	J	mg/Kg	34.5 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.94	J	mg/Kg	0.052	J	mg/Kg	18.1 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	509	J	mg/Kg	9.9	J	mg/Kg	51.4 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	***95,000***	***J***	***mg/Kg***	15.7	J	mg/Kg	6,051 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-31	**VOCs**											
	Ethylbenzene	16	J	µg/Kg	4.9	U	µg/Kg	3.3 × CRQL	2.1E+06	µg/Kg	2.7E+07	µg/Kg
	Methyl Acetate	810		µg/Kg	4.9	U	µg/Kg	165.3 × CRQL	NL		NL	
	Styrene	24	J	µg/Kg	4.9	U	µg/Kg	4.9 × CRQL	5.6E+07	µg/Kg	7.6E+07	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-31	**VOCs**											
	Tetrachloroethene	1,600		µg/Kg	4.9	U	µg/Kg	326.5 × CRQL	44,000	µg/Kg	790,000	µg/Kg
	Xylene, m,p-	23	J	µg/Kg	4.9	U	µg/Kg	4.7 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	Xylene, o-	9.4	J	µg/Kg	4.9	U	µg/Kg	1.9 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	PCBs											
	Aroclor-1254	***23,000***		***µg/Kg***	42	U	µg/Kg	547.6 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	***8,800***		***µg/Kg***	42	U	µg/Kg	209.5 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	420	J	µg/Kg	42	U	µg/Kg	10.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Arsenic	***44.5***	***J***	***mg/Kg***	4.4		mg/Kg	10.1 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	1,260	J	mg/Kg	26.5	J	mg/Kg	47.5 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***49.3***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	91.3 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	10,100	J	mg/Kg	440	J	mg/Kg	23.0 × Ref	NL		NL	
	Chromium	137	J	mg/Kg	17.9	J	mg/Kg	7.7 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Cobalt	34.3	J	mg/Kg	3.3	J	mg/Kg	10.4 × Ref	85	mg/Kg	920	mg/Kg
	Copper	***18,200***	***J***	***mg/Kg***	5.7	J	mg/Kg	3,193 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***1,410,000***	***J***	***mg/Kg***	14,300	J	mg/Kg	98.6 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***4,570***	***JEB***	***mg/Kg***	5.1	JEB	mg/Kg	896.1 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	4,660	J	mg/Kg	70.1	J	mg/Kg	66.5 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	1.8	J	mg/Kg	0.052	J	mg/Kg	34.6 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	276	J	mg/Kg	9.9	J	mg/Kg	27.9 × Ref	850	mg/Kg	930	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-31	**INORGANICS**											
	Silver	144	J	mg/Kg	R	1.0	mg/Kg	144.0 × CRQL*	1,400	mg/Kg	1,500	mg/kg
	Zinc	35,500	J	mg/Kg	15.7	J	mg/Kg	2,261 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-32	**VOCs**											
	Bromomethane	9.8	J	µg/Kg	4.9	U	µg/Kg	2.0 × CRQL	390,000	µg/Kg	850,000	µg/Kg
	Butanone, 2-	34	J	µg/Kg	9.7	U	µg/Kg	3.5 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1254	**5,700**		**µg/Kg**	42	U	µg/Kg	135.7 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	**4,500**	**J**	**µg/Kg**	42	U	µg/Kg	107.1 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Mercury	0.45		mg/Kg	0.052	J	mg/Kg	8.7 × Ref	85	mg/Kg	930	mg/Kg
SS-33	**VOCs**											
	Butanone, 2-	21	J	µg/Kg	9.7	U	µg/Kg	2.2 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1254	2,200		µg/Kg	42	U	µg/Kg	52.4 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	2,500		µg/Kg	42	U	µg/Kg	59.5 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Cadmium	0.9	J	mg/Kg	0.54	UJ	mg/Kg	1.7 × CRQL	18	mg/Kg	19	mg/Kg
	Copper	33.5	J	mg/Kg	5.7	J	mg/Kg	5.9 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Lead	69.2	JEB	mg/Kg	5.1	JEB	mg/Kg	13.6 × Ref	530	mg/Kg	950	mg/Kg
	Mercury	0.56		mg/Kg	0.052	J	mg/Kg	10.8 × Ref	85	mg/Kg	930	mg/Kg
	Zinc	106	J	mg/Kg	15.7	J	mg/Kg	6.8 × Ref	85,000	mg/Kg	93,000	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-34	**VOCs**											
	Butanone, 2-	48		µg/Kg	9.7	U	µg/Kg	4.9 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1248	950		µg/Kg	42	U	µg/Kg	22.6 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	1,800		µg/Kg	42	U	µg/Kg	42.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	2,700	J	µg/Kg	42	U	µg/Kg	64.3 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	370		µg/Kg	42	U	µg/Kg	8.8 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Antimony	94.6	J	mg/Kg	6.5	U	mg/Kg	14.6 × CRQL	110	mg/Kg	120	mg/Kg
	Arsenic	***129***	***J***	***mg/Kg***	4.4		mg/Kg	29.3 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	7,610	J	mg/Kg	26.5	J	mg/Kg	287.2 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***116***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	214.8 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	22,000	J	mg/Kg	440	J	mg/Kg	50.0 × Ref	NL		NL	
	Chromium	620		mg/Kg	17.9	J	mg/Kg	34.6 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	1,880	J	mg/Kg	5.7	J	mg/Kg	329.8 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***759,000***	***J***	***mg/Kg***	14,300	J	mg/Kg	53.1 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***3,620***	***J***	***mg/Kg***	5.1	JEB	mg/Kg	709.8 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	3,120	J	mg/Kg	70.1	J	mg/Kg	44.5 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.7	J	mg/Kg	0.052	J	mg/Kg	13.5 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	770	J	mg/Kg	9.9	J	mg/Kg	77.8 × Ref	850	mg/Kg	930	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-34	**INORGANICS**											
	Potassium	4,800	J	mg/Kg	451	J	mg/Kg	10.6 × Ref	NL		NL	
	Silver	61.8	J	mg/Kg	R	1.0	mg/Kg	61.8 × CRQL*	1,400	mg/Kg	1,500	mg/Kg
	Sodium	1,420	J	mg/Kg	R	500	mg/Kg	2.8 × CRQL*	NL		NL	
	Thallium	**70.4**	**J**	**mg/Kg**	2.7	U	mg/Kg	26.1 × CRQL	23	mg/Kg	250	mg/Kg
	Zinc	9,140	JEB	mg/Kg	15.7	J	mg/Kg	582.2 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-35	**VOCs**											
	Butanone, 2-	77	J	µg/Kg	9.7	U	µg/Kg	7.9 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	Ethylbenzene	34	J	µg/Kg	4.9	U	µg/Kg	6.9 × CRQL	2.1E+06	µg/Kg	2.7E+07	µg/Kg
	Toluene	30	JEB	µg/Kg	4.9	U	µg/Kg	6.1 × CRQL	2.3E+07	µg/Kg	2.0E+08	µg/Kg
	Xylene, m,p-	37	J	µg/Kg	4.9	U	µg/Kg	7.6 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	Xylene, o-	22	J	µg/Kg	4.9	U	µg/Kg	4.5 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	PCBs											
	Aroclor-1248	**4,900**		**µg/Kg**	42	U	µg/Kg	116.7 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	***9,300***		***µg/Kg***	42	U	µg/Kg	221.4 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	***7,300***	***J***	***µg/Kg***	42	U	µg/Kg	173.8 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Arsenic	***97.8***	***J***	***mg/Kg***	4.4		mg/Kg	22.2 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	12,400	J	mg/Kg	26.5	J	mg/Kg	467.9 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***109***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	201.9 × CRQL	18	mg/Kg	19	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-35	**INORGANICS**											
	Calcium	55,900	J	mg/Kg	440	J	mg/Kg	127.0 × Ref	NL		NL	
	Chromium	643		mg/Kg	17.9	J	mg/Kg	35.9 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	1,420	J	mg/Kg	5.7	J	mg/Kg	249.1 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***792,000***	***J***	***mg/Kg***	14,300	J	mg/Kg	55.4 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***4,980***	***J***	***mg/Kg***	5.1	JEB	mg/Kg	976.5 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	17,000	J	mg/Kg	2,440		mg/Kg	7.0 × Ref	NL		NL	
	Manganese	2,880	J	mg/Kg	70.1	J	mg/Kg	41.1 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	6	J	mg/Kg	0.052	J	mg/Kg	115.4 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	540	J	mg/Kg	9.9	J	mg/Kg	54.5 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	6,900	J	mg/Kg	451	J	mg/Kg	15.3 × Ref	NL		NL	
	Silver	82.5	J	mg/Kg	R	1.0	mg/Kg	82.5 × CRQL*	1,400	mg/Kg	1,500	mg/Kg
	Sodium	4,570	J	mg/Kg	R	500	mg/Kg	9.1 × CRQL*	NL		NL	
	Vanadium	68.4	J	mg/Kg	22.5		mg/Kg	3.0 × Ref	2,000	mg/Kg	2,200	mg/Kg
	Zinc	13,600	JEB	mg/Kg	15.7	J	mg/Kg	866.2 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-36	**VOCs**											
	Butanone, 2-	26	J	µg/Kg	9.7	U	µg/Kg	2.7 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1254	**4,400**		**µg/Kg**	42	U	µg/Kg	104.8 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	3,900	J	µg/Kg	42	U	µg/Kg	92.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	1,600		µg/Kg	42	U	µg/Kg	38.1 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-36	**INORGANICS**											
	Arsenic	***202***	***J***	***mg/Kg***	4.4		mg/Kg	45.9 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	9,350	J	mg/Kg	26.5	J	mg/Kg	352.8 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Beryllium	13.8	J	mg/Kg	0.54	UJ	mg/Kg	25.6 × CRQL	570	mg/Kg	620	mg/Kg
	Cadmium	***90.6***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	167.8 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	37,600	J	mg/Kg	440	J	mg/Kg	85.5 × Ref	NL		NL	
	Chromium	521		mg/Kg	17.9	J	mg/Kg	29.1 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	2,030	J	mg/Kg	5.7	J	mg/Kg	356.1 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***839,000***	***J***	***mg/Kg***	14,300	J	mg/Kg	58.7 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***5,440***	***J***	***mg/Kg***	5.1	JEB	mg/Kg	1,067 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	12,300	J	mg/Kg	2,440		mg/Kg	5.0 × Ref	NL		NL	
	Manganese	3,060	J	mg/Kg	70.1	J	mg/Kg	43.7 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.41	J	mg/Kg	0.052	J	mg/Kg	7.9 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	***1,270***	***J***	***mg/Kg***	9.9	J	mg/Kg	128.3 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	5,010	J	mg/Kg	45.1	J	mg/Kg	11.1 × Ref	NL		NL	
	Silver	84.5	J	mg/Kg	R	1.0	mg/Kg	84.5 × CRQL*	1,400	mg/Kg	1,500	mg/Kg
	Sodium	2,170	J	mg/Kg	R	500	mg/Kg	4.3 × CRQL*	NL		NL	
	Thallium	**65.5**	**J**	**mg/Kg**	2.7	U	mg/Kg	24.3 × CRQL	23	mg/Kg	250	mg/Kg
	Vanadium	69.9	J	mg/Kg	22.5		mg/Kg	3.1 × Ref	2,000	mg/Kg	2,200	mg/Kg
	Zinc	6,650	JEB	mg/Kg	15.7	J	mg/Kg	423.6 × Ref	85,000	mg/Kg	93,000	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	ME DEP RAGs Park User	ME DEP RAGs Excavation or Construction Worker
SS-38	**VOCs**					
	Acetone	300 EB µg/Kg	93 EB µg/Kg	3.2 × Ref	2.6E+08 µg/Kg	4.7E+08 µg/Kg
	Butanone, 2-	22 µg/Kg	9.7 U µg/Kg	2.3 × CRQL	1.7E+08 µg/Kg	1.2E+08 µg/Kg
	PCBs					
	Aroclor-1254	220 µg/Kg	42 U µg/Kg	5.2 × CRQL	4,100[3] µg/Kg	6,500[3] µg/Kg
	Aroclor-1260	130 µg/Kg	42 U µg/Kg	3.1 × CRQL	4,100[3] µg/Kg	6,500[3] µg/Kg
	INORGANICS					
	Barium	87.8 J mg/Kg	26.5 J mg/Kg	3.3 × Ref	57,000 mg/Kg	62,000 mg/Kg
	Cadmium	5.0 J mg/Kg	0.54 UJ mg/Kg	9.3 × CRQL	18 mg/Kg	19 mg/Kg
	Copper	56.1 J mg/Kg	5.7 J mg/Kg	9.8 × Ref	4,000 mg/Kg	4,300 mg/Kg
	Lead	85 JEB mg/Kg	5.1 JEB mg/Kg	16.7 × Ref	530 mg/Kg	950 mg/Kg
	Manganese	211 JEB mg/Kg	70.1 J mg/Kg	3.0 × Ref	6,800 mg/Kg	7,400 mg/Kg
	Zinc	425 J mg/Kg	15.7 J mg/Kg	27.1 × Ref	85,000 mg/Kg	93,000 mg/Kg
SS-39	**VOCs**					
	Butanone, 2-	32 µg/Kg	9.7 U µg/Kg	3.3 × CRQL	1.7E+08 µg/Kg	1.2E+08 µg/Kg
	PCBs					
	Aroclor-1254	1,300 µg/Kg	42 U µg/Kg	31.0 × CRQL	4,100[3] µg/Kg	6,500[3] µg/Kg
	Aroclor-1260	3,900 µg/Kg	42 U µg/Kg	92.9 × CRQL	4,100[3] µg/Kg	6,500[3] µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-39	**INORGANICS**											
	Aluminum	65,500	EB	mg/Kg	12,400	EB	mg/Kg	5.3 × Ref	280,000	mg/Kg	310,000	mg/Kg
	Barium	2,840	J	mg/Kg	26.5	J	mg/Kg	107.2 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***149***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	275.9 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	12,200	J	mg/Kg	440	J	mg/Kg	27.7 × Ref	NL		NL	
	Chromium	388	J	mg/Kg	17.9	J	mg/Kg	21.7 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	3,240	J	mg/Kg	5.7	J	mg/Kg	568.4 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***353,000***	***J***	***mg/Kg***	14,300	J	mg/Kg	24.7 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***3,050***	***JEB***	***mg/Kg***	5.1	JEB	mg/Kg	598.0 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	10,900	J	mg/Kg	2,440		mg/Kg	4.5 × Ref	NL		NL	
	Manganese	2,120	JEB	mg/Kg	70.1	J	mg/Kg	30.2 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.47	EB	mg/Kg	0.052	J	mg/Kg	9.0 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	413	J	mg/Kg	9.9	J	mg/Kg	41.7 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	20,900	J	mg/Kg	15.7	J	mg/Kg	1,331 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-41	**PCBs**											
	Aroclor-1260	44		µg/Kg	42	U	µg/Kg	1.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Calcium	1,730		mg/Kg	440	J	mg/Kg	3.9 × Ref	NL		NL	
	Copper	24.9	J	mg/Kg	5.7	J	mg/Kg	4.4 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Lead	36		mg/Kg	5.1	JEB	mg/Kg	7.1 × Ref	530	mg/Kg	950	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-41	**INORGANICS**											
	Manganese	217	EB	mg/Kg	70.1	J	mg/Kg	3.1 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Potassium	2,270	J	mg/Kg	451	J	mg/Kg	5.0 × Ref	NL		NL	
	Zinc	196	JEB	mg/Kg	15.7	J	mg/Kg	12.5 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-42	**INORGANICS**											
	Potassium	1,890	J	mg/Kg	451	J	mg/Kg	4.2 × Ref	NL		NL	
SS-43	**VOCs**											
	Methyl Acetate	14		µg/Kg	4.9	U	µg/Kg	2.9 × CRQL	NL		NL	
	INORGANICS											
	Potassium	1,780		mg/Kg	451	J	mg/Kg	3.9 × Ref	NL		NL	
SS-44	**VOCs**											
	Ethylbenzene	6.4	J	µg/Kg	4.9	U	µg/Kg	1.3 × CRQL	2.1E+06	µg/Kg	2.7E+07	µg/Kg
	Methyl Acetate	200	J	µg/Kg	4.9	U	µg/Kg	40.8 × CRQL	NL		NL	
	Styrene	5.9	J	µg/Kg	4.9	U	µg/Kg	1.2 × CRQL	5.6E+07	µg/Kg	7.6E+07	µg/K
	Tetrachloroethene	350		µg/Kg	4.9	U	µg/Kg	71.4 × CRQL	44,000	µg/Kg	790,000	µg/Kg
	Xylene, m,p-	15	J	µg/Kg	4.9	U	µg/Kg	3.1 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	PCBs											
	Aroclor-1254	2,100		µg/Kg	42	U	µg/Kg	50.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	590		µg/Kg	42	U	µg/Kg	14.1 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	47	J	µg/Kg	42	U	µg/Kg	1.1 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-44	**INORGANICS**											
	Antimony	28	J	mg/Kg	6.5	U	mg/Kg	4.3 × CRQL	110	mg/Kg	120	mg/Kg
	Barium	257	J	mg/Kg	26.5	J	mg/Kg	9.7 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	5.1	J	mg/Kg	0.54	UJ	mg/Kg	9.4 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	2,780	J	mg/Kg	440	J	mg/Kg	6.3 × Ref	NL		NL	
	Copper	218	J	mg/Kg	5.7	J	mg/Kg	38.2 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	59,500	J	mg/Kg	14,300	J	mg/Kg	4.2 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	**863**	**JEB**	**mg/Kg**	5.1	JEB	mg/Kg	169.2 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	243	JEB	mg/Kg	70.1	J	mg/Kg	3.5 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Nickel	47.7	J	mg/Kg	9.9	J	mg/Kg	4.8 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	7,490	J	mg/Kg	15.7	J	mg/Kg	477.1 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-50	**VOCs**											
	Bromomethane	21	J	µg/Kg	4.9	U	µg/Kg	4.3 × CRQL	390,000	µg/Kg	850,000	µg/Kg
	Butanone, 2-	13	J	µg/Kg	9.7	U	µg/Kg	1.3 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	Chloromethane	7.4	J	µg/Kg	4.9	U	µg/Kg	1.5 × CRQL	NL		NL	
	PCBs											
	Aroclor-1248	240		µg/Kg	42	U	µg/Kg	5.7 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	240		µg/Kg	42	U	µg/Kg	5.7 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	400	J	µg/Kg	42	U	µg/Kg	9.5 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-50	**INORGANICS**											
	Aluminum	157,000	J	mg/Kg	12,400	EB	mg/Kg	12.7 × Ref	280,000	mg/Kg	310,000	mg/Kg
	Antimony	***3,380***		***mg/Kg***	6.5	U	mg/Kg	520 × CRQL	110	mg/Kg	120	mg/Kg
	Arsenic	***205***	***J***	***mg/Kg***	4.4		mg/Kg	46.6 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	12,000	J	mg/Kg	26.5	J	mg/Kg	452.8 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***35.6***	***J***	***mg/Kg***	0.54	UJ	mg/Kg	65.9 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	58,700	J	mg/Kg	440	J	mg/Kg	133.4 × Ref	NL		NL	
	Chromium	819		mg/Kg	17.9	J	mg/Kg	45.8 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	***180,000***	***J***	***mg/Kg***	5.7	J	mg/Kg	31,579 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***722,000***	***J***	***mg/Kg***	14,300	J	mg/Kg	50.5 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***20,900***	***J***	***mg/Kg***	5.1	JEB	mg/Kg	4,098 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	31,500	J	mg/Kg	2,440		mg/Kg	12.9 × Ref	NL		NL	
	Manganese	4,650	J	mg/Kg	70.1	J	mg/Kg	66.3 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Nickel	**885**	**J**	**mg/Kg**	9.9	J	mg/Kg	89.4 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	13,200	J	mg/Kg	451	J	mg/Kg	29.3 × Ref	NL		NL	
	Silver	83.4	J	mg/Kg	R	1.0	mg/Kg	83.4 × CRQL*	1,400	mg/Kg	1,500	mg/Kg
	Sodium	3,820	J	mg/Kg	R	500	mg/Kg	7.6 × CRQL*	NL		NL	
	Thallium	**99**	**J**	**mg/Kg**	2.7	U	mg/Kg	36.7 × CRQL	23	mg/Kg	250	mg/Kg
	Vanadium	442	J	mg/Kg	22.5		mg/Kg	19.6 × Ref	2,000	mg/Kg	2,200	mg/Kg
	Zinc	***167,000***	***JEB***	***mg/Kg***	15.7	J	mg/Kg	10,637 × Ref	85,000	mg/Kg	93,000	mg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SS-52	**PCBs**											
	Aroclor-1260	42		µg/Kg	42	U	µg/Kg	1.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Arsenic †	**11.6**	**J**	**mg/Kg**	NA			NA	9[1]	mg/Kg	42	mg/Kg
	Barium	87.8		mg/Kg	26.5	J	mg/Kg	3.3 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Calcium	9,280		mg/Kg	440	J	mg/Kg	21.1 × Ref	NL		NL	
	Chromium	75.1		mg/Kg	17.9	J	mg/Kg	4.2 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Cobalt	13.9	J	mg/Kg	3.3	J	mg/Kg	4.2 × Ref	85	mg/Kg	920	mg/Kg
	Copper	61.8	J	mg/Kg	5.7	J	mg/Kg	10.8 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Lead	22.7		mg/Kg	5.1	JEB	mg/Kg	4.5 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	8,380		mg/Kg	2,440		mg/Kg	3.4 × Ref	NL		NL	
	Manganese	311	J	mg/Kg	70.1	J	mg/Kg	4.4 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Nickel	67		mg/Kg	9.9	J	mg/Kg	6.8 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	4,720		mg/Kg	451	J	mg/Kg	10.5 × Ref	NL		NL	
	Sodium	825	J	mg/Kg	R	500	mg/Kg	1.7 × CRQL*	NL		NL	
	Zinc	98.4	J	mg/Kg	15.7	J	mg/Kg	6.3 × Ref	85,000	mg/Kg	93,000	mg/Kg
SS-53	**VOCs**											
	Butanone, 2-	13	TB	µg/Kg	9.7	U	µg/Kg	1.3 × CRQL	1.7E+08	µg/Kg	1.2E+08	µg/Kg

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	ME DEP RAGs Park User	ME DEP RAGs Excavation or Construction Worker
SS-53	**PCBs**					
	Aroclor-1254	71 µg/Kg	42 U µg/Kg	1.7 × CRQL	4,100[3] µg/Kg	6,500[3] µg/Kg
	Aroclor-1260	68 J µg/Kg	42 U µg/Kg	1.6 × CRQL	4,100[3] µg/Kg	6,500[3] µg/Kg
	INORGANICS					
	Arsenic †	**11.4 J mg/Kg**	NA	NA	9[1] mg/Kg	42 mg/Kg
	Barium	181 mg/Kg	26.5 J mg/Kg	6.8 × Ref	57,000 mg/Kg	62,000 mg/Kg
	Cadmium	2 mg/Kg	0.54 UJ mg/Kg	3.7 × CRQL	18 mg/Kg	19 mg/Kg
	Calcium	8,910 mg/Kg	440 J mg/Kg	20.3 × Ref	NL	NL
	Chromium	79.5 mg/Kg	17.9 J mg/Kg	4.4 × Ref	430,000[2] mg/Kg	460,000[2] mg/Kg
	Cobalt	15.4 J mg/Kg	3.3 J mg/Kg	4.7 × Ref	85 mg/Kg	920 mg/Kg
	Copper	1,130 J mg/Kg	5.7 J mg/Kg	198.2 × Ref	4,000 mg/Kg	4,300 mg/Kg
	Lead	119 mg/Kg	5.1 JEB mg/Kg	23.3 × Ref	530 mg/Kg	950 mg/Kg
	Magnesium	8,500 mg/Kg	2,440 mg/Kg	3.5 × Ref	NL	NL
	Manganese	311 J mg/Kg	70.1 J mg/Kg	4.7 × Ref	6,800 mg/Kg	7,400 mg/Kg
	Nickel	90.7 mg/Kg	9.9 J mg/Kg	9.2 × Ref	850 mg/Kg	930 mg/Kg
	Potassium	4,860 mg/Kg	451 J mg/Kg	10.8 × Ref	NL	NL
	Sodium	874 J mg/Kg	R 500 mg/Kg	1.7 × CRQL*	NL	NL

Table 4

Summary of Analytical Results
Surface Soil/Source Sample Analysis for Leeds Metal (Concluded)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	ME DEP RAGs Park User	ME DEP RAGs Excavation or Construction Worker
SS-53	**INORGANICS**					
	Zinc	3,730 JEB mg/Kg	15.7 J mg/Kg	237.6× Ref	85,000 mg/Kg	93,000 mg/Kg

Bolded values indicate the organic compound or inorganic element was detected at a concentration equal to or greater than the its respective ME DEP RAG for the Park User Scenario.

Bolded and *italicized* values indicate the organic compound or inorganic element was detected at a concentration equal to or greater than the its respective ME DEP RAG for the Excavation and Construction Worker Scenario.

† Indicates the element was detected above its respective ME DEP RAG for the Park User and/or Excavation and Construction Worker Scenarios, but not above reference criteria.

[1] Indicates the ME DEP RAG background standard for arsenic is listed, as background sampling indicates concentrations greater than the ME DEP RAG Park User concentration of 2.3 mg/Kg.

[2] Indicates the ME DEP RAG standard for trivalent chromium is listed, as a standard for total chromium does not exist.

[3] Indicates the ME DEP RAG standard for polychlorinated biphenyls is listed, as standards for specific aroclors do not exist.

[4] Indicates the ME DEP RAG standard for xylene (total) is listed, as standards for o-xylene and m,p-xylene do not exist.

Note: If a compound or element was not detected in the respective reference samples, that compound or element is designated by its relative difference above the sample-adjusted CRQL (denoted CRQL in the table). If the compound or element was rejected in the reference sample, that compound or element is compared against the CRQL (denoted CRQL* in the table).

VOCs = Volatile Organic Compounds.
Ref = Reference value.
CRQL = Contract Required Quantitation Limit.
µg/Kg = Micrograms per Kilogram [equivalent to parts per billion (ppb)].
RAGs = Remedial Action Guidelines.
PCBs = Polychlorinated Biphenyls.
N/A = Not Applicable.
NL = Not Listed. An applicable ME DEP RAG standard does not exist.
ME DEP = Maine Department of Environmental Protection.
mg/Kg = Milligrams per Kilogram [equivalent to parts per million (ppm)].
J = The associated numerical value is an estimated quantity.
U = The compound or element was analyzed for, but not detected. The associated numerical value is the sample-adjusted CRQL.
UJ = The compound or element was analyzed for, but not detected. The associated numerical value is the estimated sample-adjusted CRQL.
TB = The compound was identified in an aqueous trip blank that was used to assess field contamination associated with soil/source samples.
EB = The compound was identified in an aqueous equipment blank used to assess field contamination associated with soil/source samples.
R = The value for the compound or element was rejected due to failure of one or more quality control parameters.

[1; 89-98; 115-117]

A total of 21 VOCs were detected in START surface soil/source samples collected from the Leeds Metal property. Of these, the following 13 VOCs were detected at concentrations exceeding reference criteria (maximum concentration and sample location in parentheses): acetone (300 EB µg/Kg in SS-38); bromomethane (21 J µg/Kg in SS-50); 2-butanone [methyl ethyl ketone (MEK)] (84 J µg/Kg in SS-09); chloromethane (7.4 J µg/Kg in SS-50); ethylbenzene (34 J µg/Kg in SS-35); methyl acetate (810 µg/Kg in SS-31); methyl tert-butyl ether (6.7 J µg/Kg in SS-25); styrene (24 J µg/Kg in SS-31); PCE (10,000 µg/Kg in SS-27); toluene (30 JEB µg/Kg in SS-35); 1,2,3-trichlorobenzene (11 J µg/Kg in SS-07); m,p-xylene (37 J µg/Kg in SS-35); and o-xylene (22 J µg/Kg in SS-35) [1; 115-117; 89-93]. No VOCs detected in START surface soil/source samples were detected at concentrations exceeding their respective ME DEP RAGs for Park User and/or ME DEP RAGs for Excavation or Construction Worker scenarios [35].

Five PCBs were detected in START surface soil/source samples collected from the Leeds Metal property. In addition, these five PCBs were detected at concentrations exceeding reference criteria, and are as follows (maximum concentration and sample location in parentheses): Aroclor-1242 (8,000 µg/Kg in SS-07); Aroclor-1248 (4,900 µg/Kg in SS-35); Aroclor-1254 (27,000 µg/Kg in SS-28); Aroclor-1260 (12,000 µg/Kg in SS-07); and Aroclor-1268 (1,600 µg/Kg in SS-36) [1; 115-117; 89-93]. Furthermore, four PCBs (Aroclor-1242; Aroclor-1248; Aroclor-1254; and Aroclor-1260) were detected at concentrations exceeding their ME DEP RAG for Park User and/or ME DEP RAG for Excavation or Construction Worker scenarios for total PCBs [35].

A total of 23 total metals were detected in START surface soil/source samples collected from the Leeds Metal property. In addition, the 23 total metals were detected at concentrations exceeding reference criteria, and are as follows (maximum concentration and sample location in parentheses): aluminum (157,000 mg/Kg in SS-50); antimony (3,380 mg/Kg in SS-50); arsenic (205 J mg/Kg in SS-50); barium (12,400 J mg/Kg in SS-35); beryllium (72.2 J mg/Kg in SS-21); cadmium (183 J mg/Kg in SS-21); calcium (58,700 J mg/Kg in SS-50); chromium (819 mg/Kg in SS-50); cobalt (85.4 J mg/Kg in SS-21); copper (180,000 J mg/Kg in SS-50); iron (1,410,000 J mg/Kg in SS-31); lead (20,900 J mg/Kg in SS-50); magnesium (68,200 J mg/Kg in SS-21); manganese (5,610 EB mg/Kg in SS-21); mercury (6.0 J mg/Kg in SS-35); nickel (3,560 J mg/Kg in SS-29); potassium (17,700 J mg/Kg in SS-17); selenium (179 J mg/Kg in SS-17); silver (83.4 J mg/Kg in SS-50); sodium (5,090 J mg/Kg in SS-17); thallium (99 J mg/Kg in SS-50); vanadium (442 J mg/Kg in SS-50); and zinc (167,000 JEB mg/Kg in SS-50) [1; 115-117; 94-98]. In addition, 10 total metals (antimony, arsenic, cadmium, cobalt, copper, iron, lead, nickel, thallium, and zinc) were detected at concentrations exceeding their respective ME DEP RAGs for Park User and/or ME DEP RAGs for Excavation or Construction Worker scenarios [35].

Between 9 and 30 November 2010, as part of the EPA Site Assessment Site Inspection, START personnel collected 29 subsurface soil/source samples (SB-01, SB-02, SB-08 through SB-15, SB-17, SB-18, SB-22, SB-27 through SB-38, SB-40, and SB-42 through SB-44), including two duplicate samples (SB-43 and SB-44), from the Leeds Metal property and an adjacent property located to the south (see Figure 3). The subsurface soil/source samples were collected using hand augers at depths greater than 2 feet bgs [1; 115-117].

Subsurface soil/source samples SB-01 and SB-02 were collected from 23 Plains Road (Town of Leeds, ME Map No. 4, Lot No. 55), northwest of the Leeds Metal property, to document background subsurface soil/source conditions for comparison purposes. Subsurface soil/source samples SB-08 through SB-15, SB-17, SB-18, SB-22, SB-27 through SB-36, SB-38, SB-40, and

SB-42 through SB-44 were collected from locations throughout the Leeds Metal property, to identify contaminants associated with potential source areas. Subsurface soil/source sample SB-37 was collected from an area adjacent to the southern property boundary, where material from former on-site operations had been disposed of [116, pp. 15-16]. Refer to Figure 3 for locations of subsurface soil/source samples collected by START.

Subsurface soil/source samples SB-01, SB-08 through SB-15, SB-17, SB-18, SB-22, SB-27 through SB-38, SB-40, and SB-42 through SB-44 were submitted to CLP Laboratories for VOC, PCB, and total metals analyses. Subsurface soil sample SB-02 was submitted to a CLP Laboratory for total metals analysis only [89-98].

Table 5 summarizes the subsurface soil/source samples collected by START on 9 through 30 November 2010.

Table 5

Subsurface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Subsurface Soil/Source					
SB-01	A3SZ3 MA3SZ3	11/16/10 1100	Grab	36 to 48	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from 23 Plains Road (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 55), northwest of the Leeds Metal property, to document background soil conditions for comparison purposes. The material was brown, SAND and SILT, trace fine gravel, trace organics, trace clay. PID = 0.0; FID = 0.0 44° 14′ 34.62″ North Latitude 70° 05′ 11.02″ West Longitude

Table 5

Subsurface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Subsurface Soil/Source (Continued)					
SB-02	MA3SZ4	11/16/10 1115	Grab	36 to 48	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from 23 Plains Road (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 55), northwest of the Leeds Metal property, to document background soil conditions for comparison purposes (total metals analysis only). The material was brown, SAND and SILT, trace fine gravel, trace organics, trace clay. PID = 0.0; FID = 0.0 44° 14′ 34.65″ North Latitude 70° 05′ 11.01″ West Longitude
SB-08	A3SZ5 MA3SZ5	11/18/10 1455	Grab	66 to 72	Subsurface soil/source sample collected from a soil boring advanced using a hand auger near a former railroad spur along the eastern property boundary of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown-to-gray, fine-to-coarse SAND, little silt, trace fine gravel, trace clay. PID = 0.0; FID = 0.0 44° 14′ 18.21″ North Latitude 70° 04′ 44.96″ West Longitude
SB-09	A3SZ6 MA3SZ6	11/18/10 1455	Grab	24 to 36	Subsurface soil/source sample collected from a soil boring advanced using a hand auger in a depression/gully along the eastern boundary of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SAND and SILT, major debris (metal, rubber, plastic, and wire), trace organics, trace clay. PID = 0.0; FID = 0.0 44° 14′ 17.70″ North Latitude 70° 04′ 46.13″ West Longitude

Table 5

Subsurface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Subsurface Soil/Source (Continued)					
SB-10	A3SZ7 MA3SZ7	11/30/10 1120	Grab	30 to 36	Subsurface soil/source sample collected from a soil boring advanced using a hand auger adjacent to (north of) the concrete pad located along the eastern border of the Leeds Metal property, within the Former Operations Area, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown, SAND and SILT, trace fine-to-coarse gravel, trace organics, trace debris (plastic). PID = 0.0; FID = 0.0 44° 14′ 16.38″ North Latitude 70° 04′ 46.36″ West Longitude
SB-11	A3SZ8 MA3SZ8	11/30/10 1145	Grab	42 to 48	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the Former Operations Area, adjacent to (northeast of) the concrete pad located along the eastern border of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown-to-gray, medium-to-coarse SAND, some fine sand, little fine-to-coarse gravel, trace silt, trace clay. PID = 0.0; FID = 0.0 44° 14′ 16.72″ North Latitude 70° 04′ 44.77″ West Longitude
SB-12	A3SZ9 MA3SZ9	11/30/10 1210	Grab	24 to 36	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the Former Operations Area, adjacent to (north of) the concrete pad located along the eastern border of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SAND and SILT, some debris (rubber, metal, metal slag, and glass), trace fine gravel, trace clay. PID = 0.0; FID = 0.0 44° 14′ 16.15″ North Latitude 70° 04′ 45.63″ West Longitude

Table 5

Subsurface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Subsurface Soil/Source (Continued)					
SB-13	A3T00 MA3T00	11/30/10 1424	Grab	84 to 90	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the Former Operations Area, adjacent to (east of) the concrete pad located along the eastern border of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was light brown-to-cinnamon brown, fine-to-coarse SAND, trace fine gravel, trace silt, trace clay. PID = 0.0; FID = 0.0 44° 14′ 15.45″ North Latitude 70° 04′ 43.98″ West Longitude
SB-14	A3T01 MA3T01	11/30/10 1310	Grab	24 to 30	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the Former Operations Area, adjacent to (northeast of) the concrete pad located along the eastern border of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown, fine-to-coarse SAND, little silt, trace fine-to-medium gravel, trace clay, trace organics. PID = 0.0; FID = 0.0 44° 14′ 14.89″ North Latitude 70° 04′ 44.92″ West Longitude
SB-15	A3T02 MA3T02	11/30/10 1400	Grab	42 to 48	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the Former Operations Area, adjacent to (southwest of) the concrete pad located along the eastern border of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was light brown-to-brown, SAND, little silt, little fine-to-coarse gravel, trace clay, trace debris, trace organics. PID = 0.0; FID = 0.0 44° 14′ 15.11″ North Latitude 70° 04′ 45.56″ West Longitude

Table 5

Subsurface Soil/Source Sample Summary: Leeds Metal Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Subsurface Soil/Source (Continued)					
SB-17	A3T04 MAT04	11/18/10 1135	Grab	24 to 48	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the Former Operations Area, adjacent to (east of) Debris Pile B on the southeastern corner of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was light brown-to-brown, SAND, some silt, little fine-to-coarse gravel, trace clay. PID = 0.0; FID = 0.0 44° 14′ 12.62″ North Latitude 70° 04′ 42.75″ West Longitude
SB-18	A3T05 MA3T05	11/18/10 1100	Grab	66 to 72	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the Former Operations Area, adjacent to a concrete pad on the southeastern corner of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was light brown-to-brown, major SILT, fine sand, little clay. PID = 0.0; FID = 0.0 44° 14′ 14.03″ North Latitude 70° 04′ 44.23″ West Longitude
SB-22	A3T06 MA3T06	11/18/10 0950	Grab	60 to 72	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the Former Operations Area, adjacent to Debris Pile D on the southern portion of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was gray, fine-to-medium SAND, little coarse sand, some silt, trace clay, saturated. PID = 0.0; FID = 0.0 44° 14′ 10.59″ North Latitude 70° 04′ 50.88″ West Longitude

Table 5

Subsurface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Subsurface Soil/Source (Continued)					
SB-27	A3T07 MA3T07	11/18/10 0928	Grab	84 to 96	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the Former Operations Area, adjacent to Debris Pile D on the southern portion of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was gray, fine-to-coarse SAND, little silt, trace clay, wet. PID = 0.0; FID = 0.0 44° 14′ 10.62″ North Latitude 70° 04′ 50.62″ West Longitude
SB-28	A3T08 MA3T08	11/9/10 1425	Grab	24 to 36	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the eastern slope of Debris Pile D on the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SAND and SILT, major debris (wire, metal, rubber, foam, and plastic), trace fine gravel, trace clay, trace organics. PID = 0.0; FID = 0.0 44° 14′ 09.90″ North Latitude 70° 04′ 49.24″ West Longitude
SB-29	A3T09 MA3T09	11/9/10 1430	Grab	30 to 42	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the southern slope of Debris Pile D on the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was brown-to-rusty brown, SILT, major debris, trace sand, trace clay. PID = 0.0; FID = 0.0 44° 14′ 09.49″ North Latitude 70° 04′ 51.13″ West Longitude

Table 5

Subsurface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Subsurface Soil/Source (Continued)					
SB-30	A3T10 MA3T10	11/9/10 1430	Grab	24 to 36	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the western slope of Debris Pile D on the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, fine SAND and SILT, some debris (rubber, plastic, metal, and fibrous material), trace clay, trace medium-to-coarse sand. PID = 0.0; FID = 0.0 44° 14′ 09.91″ North Latitude 70° 04′ 51.54″ West Longitude
SB-31	A3T11 MA3T11	11/9/10 1430	Grab	54 to 72	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the northern slope of Debris Pile D on the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown, SILT, major debris (plastic, metal, rubber, linoleum, foam, tile, and wire), little sand, trace clay. PID = 0.0; FID = 0.0 44° 14′ 10.49″ North Latitude 70° 04′ 50.70″ West Longitude
SB-32	A3T12 MA3T12	11/16/10 1400	Grab	24 to 36	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the northern slope of Debris Pile C on the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown-to-black, fine-to-medium SAND, some silt and debris (wire coating, woven fibers, metal, rubber, wire, foam, plastic, and linoleum), trace coarse sand, trace fine gravel, trace clay. PID = 0.0; FID = 0.0 44° 14′ 12.42″ North Latitude 70° 04′ 49.43″ West Longitude

Table 5

Subsurface Soil/Source Sample Summary: Leeds Metal Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Subsurface Soil/Source (Continued)					
SB-33	A3T13 MA3T13	11/16/10 1350	Grab	36 to 42	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the southern slope of Debris Pile C on the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown-to-black, SAND and SILT, some debris (wire, rubber, foam, metal, and plastic), trace clay. PID = 0.0; FID = 0.0 44° 14′ 11.90″ North Latitude 70° 04′ 49.65″ West Longitude
SB-34	A3T14 MA3T14	11/18/10 1315	Grab	24 to 32	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the surface of the western portion of Debris Pile B, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was black, SILT, little clay, debris (rubber, foam, and plastic), and fine sand. PID = 0.0; FID = 0.0 44° 14′ 12.68″ North Latitude 70° 04′ 47.74″ West Longitude
SB-35	A3T15 MA3T15	11/18/10 1245	Grab	72 to 78	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the surface of the northeastern portion of Debris Pile B, on the southeastern corner of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was black, SILT, some debris (plastic and foam), trace clay, burned brake odor. PID = 0.0; FID = 1.0. 44° 14′ 13.00″ North Latitude 70° 04′ 45.00″ West Longitude

Table 5

Subsurface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Subsurface Soil/Source (Continued)					
SB-36	A3T16 MA3T16	11/18/10 1236	Grab	110 to 120	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from the southern slope of Debris Pile B, on the southeastern corner of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was dark brown-to-black, SILT, some debris (metal, foam, cloth, plastic, wire), little clay, trace fine-to-coarse sand, trace organics, slight petroleum odor. PID = 0.0; FID = 0.0 44° 14′ 11.82″ North Latitude 70° 04′ 46.59″ West Longitude
SB-37	A3T17 MA3T17	11/17/10 0950	Grab	24 to 48	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from an area of drum disposal located south of the Leeds Metal property, along the southern property boundary, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was light brown-to-cinnamon brown, fine SAND, trace organics, trace fine gravel, trace medium-to-coarse sand, trace clay. PID = 0.0; FID = 0.0 44° 14′ 11.75″ North Latitude 70° 04′ 42.90″ West Longitude
SB-38	A3T18 MA3T18	11/17/10 0952	Grab	114 to 120	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from an area of drum disposal located along the southern property boundary of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The material was olive green-to-brown, SILT, little clay, trace fine sand, saturated. PID = 0.0; FID = 0.0 44° 14′ 09.56″ North Latitude 70° 04′ 46.37″ West Longitude

Table 5

Subsurface Soil/Source Sample Summary: Leeds Metal
Samples Collected by START on 9 through 30 November 2010 (Concluded)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (inches bgs)	Sample Description/Rationale
MATRIX: Subsurface Soil/Source (Continued)					
SB-40	A3S19 MA3S19	11/17/10 1444	Grab	42 to 48	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from a wooded area, located southeast of the lagoons in the northwestern portion of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The sample was collected near the western edge of an area containing surface debris. The material was brown-to-gray, fine-to-coarse SAND, trace fine-to-coarse gravel, trace silt. PID = 0.0; FID = 0.0 44° 14′ 10.86″ North Latitude 70° 04′ 54.54″ West Longitude
SB-42	A3T20 MA3T20	11/17/10 1430	Grab	36 to 42	Subsurface soil/source sample collected from a soil boring advanced using a hand auger from a wooded area, located southeast of the lagoons in the northwestern portion of the Leeds Metal property, to determine the presence of any hazardous substances that may have been disposed of in this area. The sample was collected near the western edge of an area containing surface debris. The material was olive green-to-brown, fine SAND and SILT, little clay. PID = 0.0; FID = 0.0 44° 14′ 15.15″ North Latitude 70° 04′ 52.18″ West Longitude
SB-43	A3T21 MA3T21	11/18/10 1236	Grab	110 to 120	Field Duplicate of SB-36, collected for quality control.
SB-44	A3T22 MA3T22	11/18/10 0928	Grab	84 to 96	Field Duplicate of SB-27, collected for quality control.

NR = Not recorded.
FID = Flame Ionization Detector.
″ = Seconds.
No. = Number.
hrs = Hours.
START = Superfund Technical Assessment and Response Team III.
PID = Photoionization Detector.
° = Degrees.
′ = Minutes.
bgs = Below ground surface.

[1; 115-117]

Complete analytical results of START subsurface soil/source samples, including quantitation and reporting limits, are presented in *Attachment C* of this report. Sample results qualified with a "J" on analytical tables are considered approximate because of limitations identified during analytical data validation. Sample results qualified with a "U" on analytical tables indicate the substances were analyzed for, but not detected, and the associated numerical value is the sample-adjusted CRQL. Sample results qualified with a "UJ" on analytical tables indicate the

substances were analyzed for, but not detected, and the associated numerical value is the estimated sample-adjusted CRQL. Sample results qualified with an "EB" on analytical tables indicate that the compound or element was identified in an aqueous equipment blank used to assess field contamination associated with subsurface soil/source samples. Sample results qualified with a "TB" on analytical tables indicate that the compound was identified in an aqueous trip blank used to assess field contamination associated with subsurface soil/source samples. Sample results qualified with an "R" on analytical tables were rejected due to failure of one or more quality control parameters identified during data validation. For a list of substances and associated samples for which results were rejected, as well as the respective reasons for the rejections, see *Attachment C* of this report [89-98].

Complete analytical results of START equipment rinsate, trip, and preservative blank samples, collected by START in accordance with the Site-Specific QAPP for the Region I START Contract, are presented in *Attachment B* of this report [1; 89-117].

Table 6 is a summary of organic compounds and inorganic elements detected through laboratory analyses of START subsurface soil/source samples. For each sample location, a substance is listed if it is detected at greater than or equal to three times the highest reference sample's concentration [SB-01 and SB-02 (total metals only)]. However, if a substance is not detected in the reference samples, the reference sample-adjusted CRQL is used as the reference value. These substances are listed if they occurred at a value equal to or greater than the reference sample's sample-adjusted CRQL and are designated by their approximate relative concentration above these values. For substances where the reference samples have been rejected, the CRQL is used as the reference value [1; 89-98; 115-117].

Analytical results of START subsurface soil/source samples collected from the Leeds Metal property are compared against current ME DEP RAGs for the Park User and/or the Excavation or Construction Worker scenarios [35]. The ME DEP RAGs are risk-based contaminant levels used to determine the levels of contaminants that can remain in the soil that will not impact public health [35]. These contaminant levels are divided into exposure scenarios, of which the Park User and the Excavation or Construction Worker Scenarios are presented in this report. The Park User Exposure Scenario is based upon the use of a park, recreational area or other open space for recreational purposes and assumes a lower frequency of exposure than the Residential Scenario [35]. The Excavation or Construction Worker Scenario is based upon the activity of high-intensity soil disturbance activities of less than 6 months in duration [35]. Bolded values indicate the compound or element was detected at a concentration equal to or greater than its respective ME DEP RAG.

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-08	**PCBs**											
	Aroclor-1260	64		µg/Kg	36	U	µg/Kg	1.8 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Copper	***72,500***	***J***	***mg/Kg***	14.1	J	mg/Kg	5,142 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Lead	20.3	J	mg/Kg	5.2	JEB	mg/Kg	3.9 × Ref	530	mg/Kg	950	mg/Kg
	Silver	2.0	J	mg/Kg	R	1.0		2.0 × CRQL	1,400	mg/Kg	1,500	mg/Kg
	Zinc	102	JEB	mg/Kg	33.3	J	mg/Kg	3.1 × Ref	85,000	mg/Kg	93,000	mg/Kg
SB-09	**VOCs**											
	Acetone	140	J	µg/Kg	17	U	µg/Kg	8.2 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Butanone, 2-	73	J	µg/Kg	1.5	J	µg/Kg	48.7 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	Methyl Acetate	11	J	µg/Kg	3.6	U	µg/Kg	3.1 × CRQL	NL		NL	
	PCBs											
	Aroclor-1248	520		µg/Kg	36	U	µg/Kg	14.4 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	1,700		µg/Kg	36	U	µg/Kg	47.2 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	1,700	J	µg/Kg	36	U	µg/Kg	47.2 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Aluminum	55,200	J	mg/Kg	16,600	EB	mg/Kg	3.3 × Ref	280,000	mg/Kg	310,000	mg/Kg
	Arsenic	***160***	***J***	***mg/Kg***	8.4		mg/Kg	19.0 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	6,400	J	mg/Kg	39.5	J	mg/Kg	162.0 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***117***	***J***	***mg/Kg***	0.7	UJ	mg/Kg	167.1 × CRQL	18	mg/Kg	19	mg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-09 Continued	**INORGANICS**											
	Calcium	24,100	J	mg/Kg	1,010	J	mg/Kg	23.9 × Ref	NL		NL	
	Chromium	1,190		mg/Kg	27.8	J	mg/Kg	42.8 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	***5,340***	***J***	***mg/Kg***	14.1	J	mg/Kg	378.7 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***1,210,000***	***J***	***mg/Kg***	17,400	J	mg/Kg	69.5 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***4,080***	***J***	***mg/Kg***	5.2	JEB	mg/Kg	784.6 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	4,720	J	mg/Kg	169	J	mg/Kg	27.9 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.57	J	mg/Kg	0.031	J	mg/Kg	18.4 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	***1,960***	***J***	***mg/Kg***	25.3	J	mg/Kg	77.5 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	5,220	J	mg/Kg	1,490		mg/Kg	3.5 × Ref	NL		NL	
	Silver	115	J	mg/Kg	R	1.0	mg/Kg	115.0 × CRQL*	1,400	mg/Kg	1,500	mg/Kg
	Sodium	1,580	J	mg/Kg	172	J	mg/Kg	9.2 × Ref	NL		NL	
	Thallium	**53.5**	**J**	**mg/Kg**	3.5	U	mg/Kg	15.3 × CRQL	23	mg/Kg	250	mg/Kg
	Vanadium	112	J	mg/Kg	26.7		mg/Kg	4.2 × Ref	2,000	mg/Kg	2,200	mg/K
	Zinc	60,500	JEB	mg/Kg	33.3	J	mg/Kg	1,817 × Ref	85,000	mg/Kg	93,000	mg/Kg
SB-10	**VOCs**											
	Acetone	23	TB	µg/Kg	17	U	µg/Kg	1.4 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Butanone, 2-	5.3	TB	µg/Kg	1.5	J	µg/Kg	3.5 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1254	200		µg/Kg	36	U	µg/Kg	5.6 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	130		µg/Kg	36	U	µg/Kg	3.6 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-10 Continued	**INORGANICS**											
	Barium	121		mg/Kg	39.5	J	mg/Kg	3.1 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	3.2		mg/Kg	0.7	UJ	mg/Kg	4.6 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	3,170		mg/Kg	1,010	J	mg/Kg	3.1 × Ref	NL		NL	
	Copper	151	J	mg/Kg	14.1	J	mg/Kg	10.7 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Lead	121		mg/Kg	5.2	JEB	mg/Kg	23.3 × Ref	530	mg/Kg	950	mg/Kg
	Zinc	939	JEB	mg/Kg	33.3	J	mg/Kg	28.2 × Ref	85,000	mg/Kg	93,000	mg/Kg
SB-11	**INORGANICS**											
	Calcium	9,740		mg/Kg	1,010	J	mg/Kg	9.6 × Ref	NL		NL	
SB-12	**VOCs**											
	Acetone	100	TB	µg/Kg	17	U	µg/Kg	5.9 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Butanone, 2-	27	TB	µg/Kg	1.5	J	µg/Kg	18 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1242	240	J	µg/Kg	36	U	µg/Kg	6.7 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	430		µg/Kg	36	U	µg/Kg	11.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	710		µg/Kg	36	U	µg/Kg	19.7 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Arsenic	***46.2***	***J***	***mg/Kg***	8.4		mg/Kg	5.5 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	562		mg/Kg	39.5	J	mg/Kg	14.2 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	**18.1**		**mg/Kg**	0.7	UJ	mg/Kg	25.9 × CRQL	18	mg/Kg	19	mg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-12 Continued	**INORGANICS**											
	Calcium	4,260		mg/Kg	1,010	J	mg/Kg	4.2 × Ref	NL		NL	
	Copper	360	J	mg/Kg	14.1	J	mg/Kg	25.5 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***234,000***		***mg/Kg***	17,400	J	mg/Kg	13.4 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	**662**		**mg/Kg**	5.2	JEB	mg/Kg	127.3 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	1,130	J	mg/Kg	169	J	mg/Kg	6.7 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.14		mg/Kg	0.031	J	mg/Kg	4.5 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	197		mg/Kg	25.3	J	mg/Kg	7.8 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	3,490	JEB	mg/Kg	33.3	J	mg/Kg	104.8 × Ref	85,000	mg/Kg	93,000	mg/Kg
SB-13	**INORGANICS**											
	Calcium	3,540		mg/Kg	1,010	J	mg/Kg	3.5 × Ref	NL		NL	
	Mercury	0.22		mg/Kg	0.031	J	mg/Kg	7.1 × Ref	85	mg/Kg	930	mg/Kg
	Zinc	131	J	mg/Kg	33.3	J	mg/Kg	3.9 × Ref	85,000	mg/Kg	93,000	mg/Kg
SB-14	**PCBs**											
	Aroclor-1254	210		µg/Kg	36	U	µg/Kg	5.8 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	150		µg/Kg	36	U	µg/Kg	4.2 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Cadmium	1.3		mg/Kg	0.7	UJ	mg/Kg	1.9 × CRQL	18	mg/Kg	19	mg/Kg
	Lead	51.8		mg/Kg	5.2	JEB	mg/Kg	10.0 × Ref	530	mg/Kg	950	mg/Kg
	Mercury	4.2		mg/Kg	0.031	J	mg/Kg	135.5 × Ref	85	mg/Kg	930	mg/Kg
	Zinc	198	J	mg/Kg	33.3	J	mg/Kg	5.9 × Ref	85,000	mg/Kg	93,000	mg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-15	**VOCs**											
	Acetone	39	TB	µg/Kg	17	U	µg/Kg	2.3 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Butanone, 2-	12	TB	µg/Kg	1.5	J	µg/Kg	8.0 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	INORGANICS											
	Lead	26.4		mg/Kg	5.2	JEB	mg/Kg	5.1 × Ref	530	mg/Kg	950	mg/Kg
	Mercury	0.22		mg/Kg	0.031	J	mg/Kg	7.1 × Ref	85	mg/Kg	930	mg/Kg
SB-17	**PCBs**											
	Aroclor-1260	45		µg/Kg	36	U	µg/Kg	1.3 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
SB-22	**VOCs**											
	Tetrachloroethene	32		µg/Kg	3.6	U	µg/Kg	8.9 × CRQL	44,000	µg/Kg	790,000	µg/Kg
SB-27	**VOCs**											
	Tetrachloroethene	410		µg/Kg	3.6	U	µg/Kg	113.9 × CRQL	44,000	µg/Kg	790,000	µg/Kg
SB-28	**VOCs**											
	Acetone	45	EB	µg/Kg	17	U	µg/Kg	2.6 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Butanone, 2-	11		µg/Kg	1.5	J	µg/Kg	7.3 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1254	***19,000***		***µg/Kg***	36	U	µg/Kg	527.8 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	***11,000***	***J***	***µg/Kg***	36	U	µg/Kg	305.6 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	1,100	J	µg/Kg	36	U	µg/Kg	30.6 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-28 Concluded	**INORGANICS**											
	Arsenic	**32.8**	**J**	**mg/Kg**	8.4		mg/Kg	3.9 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	1,510	J	mg/Kg	39.5	J	mg/Kg	38.2 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***40.2***	***J***	***mg/Kg***	0.70	UJ	mg/Kg	57.4 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	13,900	J	mg/Kg	1,010	J	mg/Kg	13.8 × Ref	NL		NL	
	Chromium	187	J	mg/Kg	27.8	J	mg/Kg	6.7 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	***9,960***	***J***	***mg/Kg***	14.1	J	mg/Kg	706.4 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***447,000***	***J***	***mg/Kg***	17,400	J	mg/Kg	25.7 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***6,580***	***JEB***	***mg/Kg***	5.2	JEB	mg/Kg	1,265 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	3,170	J	mg/Kg	169	J	mg/Kg	18.8 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	5.2	J	mg/Kg	0.031	J	mg/Kg	167.7 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	645	J	mg/Kg	25.3	J	mg/Kg	25.5 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	70,300	J	mg/Kg	33.3	J	mg/Kg	2,111 × Ref	85,000	mg/Kg	93,000	mg/Kg
SB-29	**VOCs**											
	Acetone	58	JEB	µg/Kg	17	U	µg/Kg	3.4 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Butanone, 2-	18	J	µg/Kg	1.5	J	µg/Kg	12.0 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1254	520		µg/Kg	36	U	µg/Kg	14.4 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	560		µg/Kg	36	U	µg/Kg	15.6 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	42	J	µg/Kg	36	U	µg/Kg	1.2 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-29 Concluded	**INORGANICS**											
	Arsenic	**41.7**	**J**	**mg/Kg**	8.4		mg/Kg	5.0 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	306	J	mg/Kg	39.5	J	mg/Kg	7.7 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	9.5	J	mg/Kg	0.70	UJ	mg/Kg	13.6 × CRQL	18	mg/Kg	19	mg/Kg
	Chromium	2,820	J	mg/Kg	27.8	J	mg/Kg	101.4 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Cobalt	42.8	J	mg/Kg	9.1		mg/Kg	4.7 × Ref	85	mg/Kg	920	mg/Kg
	Copper	***40,000***	***J***	***mg/Kg***	14.1	J	mg/Kg	2,837 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***1,090,000***	***J***	***mg/Kg***	17,400	J	mg/Kg	62.6 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***7,130***	***JEB***	***mg/Kg***	5.2	JEB	mg/Kg	1,371 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	***7,920***	***J***	***mg/Kg***	169	J	mg/Kg	46.9 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.33	J	mg/Kg	0.031	J	mg/Kg	10.6 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	***5,380***	***J***	***mg/Kg***	25.3	J	mg/Kg	212.6 × Ref	850	mg/Kg	930	mg/Kg
	Silver	104	J	mg/Kg	R	1.0	mg/Kg	104 × CRQL*	1,400	mg/Kg	1,500	mg/Kg
	Zinc	10,500	J	mg/Kg	33.3	J	mg/Kg	315.3 × Ref	85,000	mg/Kg	93,000	mg/Kg
SB-30	**VOCs**											
	Acetone	130	EB	µg/Kg	17	U	µg/Kg	7.6 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Butanone, 2-	33		µg/Kg	1.5	J	µg/Kg	22.0 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1254	3,600		µg/Kg	36	U	µg/Kg	100.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	3,700		µg/Kg	36	U	µg/Kg	102.8 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	180	J	µg/Kg	36	U	µg/Kg	5.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-30 Concluded	**INORGANICS**											
	Antimony	67.2	J	mg/Kg	8.4	U	mg/Kg	8.0 × CRQL	110	mg/Kg	120	mg/Kg
	Arsenic	***47.1***	***J***	***mg/Kg***	8.4		mg/Kg	5.6 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	1,650	J	mg/Kg	39.5	J	mg/Kg	41.8 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***52.2***	***J***	***mg/Kg***	0.70	UJ	mg/Kg	74.6 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	11,300	J	mg/Kg	1,010	J	mg/Kg	11.2 × Ref	NL		NL	
	Chromium	202	J	mg/Kg	27.8	J	mg/Kg	7.3 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	***8,240***	***J***	***mg/Kg***	14.1	J	mg/Kg	584.4 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***468,000***	***J***	***mg/Kg***	17,400	J	mg/Kg	26.9 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***10,000***	***JEB***	***mg/Kg***	5.2	JEB	mg/Kg	1,923 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	2,620	J	mg/Kg	169	J	mg/Kg	15.5 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	1.2	J	mg/Kg	0.031	J	mg/Kg	38.7 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	606	J	mg/Kg	25.3	J	mg/Kg	24.0 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	63,600	J	mg/Kg	33.3	J	mg/Kg	1,910 × Ref	85,000	mg/Kg	93,000	mg/K
SB-31	**VOCs**											
	Ethylbenzene	14	J	µg/Kg	3.6	U	µg/Kg	3.9 × CRQL	2.1E+06	µg/Kg	2.7E+07	µg/Kg
	Methyl Acetate	700		µg/Kg	3.6	U	µg/Kg	194.4 × CRQL	NL		NL	
	Styrene	15	J	µg/Kg	3.6	U	µg/Kg	4.2 × CRQL	5.6E+07	µg/Kg	7.6E+07	µg/Kg
	Tetrachloroethene	3,900		µg/Kg	3.6	U	µg/Kg	1,083 × CRQL	44,000	µg/Kg	790,000	µg/Kg
	Xylene, m,p-	37	J	µg/Kg	3.6	U	µg/Kg	10.3 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	Xylene, o-	10	J	µg/Kg	3.6	U	µg/Kg	2.8 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-31 Concluded	**PCBs**											
	Aroclor-1254	***24,000***		***µg/Kg***	36	U	µg/Kg	666.7 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	**6,000**		**µg/Kg**	36	U	µg/Kg	166.7 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1268	330	J	µg/Kg	36	U	µg/Kg	9.2 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Antimony	***1,180***	***J***	***mg/Kg***	8.4	U	mg/Kg	140.5 × CRQL	110	mg/Kg	120	mg/Kg
	Arsenic	***83.7***	***J***	***mg/Kg***	8.4		mg/Kg	10.0 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	1,680	J	mg/Kg	39.5	J	mg/Kg	42.5 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***52.2***	***J***	***mg/Kg***	0.7	UJ	mg/Kg	74.6 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	18,200	J	mg/Kg	1,010	J	mg/Kg	18.0 × Ref	NL		NL	
	Chromium	269	J	mg/Kg	27.8	J	mg/Kg	9.7 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Cobalt	39.6	J	mg/Kg	9.1		mg/Kg	4.4 × Ref	85	mg/Kg	920	mg/Kg
	Copper	***13,800***	***J***	***mg/Kg***	14.1	J	mg/Kg	978.7 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***908,000***	***J***	***mg/Kg***	17,400	J	mg/Kg	52.2 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***25,000***	***JEB***	***mg/Kg***	5.2	JEB	mg/Kg	4,808 × Ref	530	mg/Kg	950	mg/Kg
	Manganese	4,200	J	mg/Kg	169	J	mg/Kg	24.9 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	2.7	J	mg/Kg	0.031	J	mg/Kg	87.1 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	432	J	mg/Kg	25.3	J	mg/Kg	17.1 × Ref	850	mg/Kg	930	mg/Kg
	Zinc	32,600	J	mg/Kg	33.3	J	mg/Kg	979.0 × Ref	85,000	mg/Kg	93,000	mg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-32	**VOCs**											
	Acetone	140	EB	µg/Kg	17	U	µg/Kg	8.2 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Bromomethane	6.9	J	µg/Kg	3.6	U	µg/Kg	1.9 × CRQL	390,000	µg/Kg	850,000	µg/Kg
	Butanone, 2-	29	J	µg/Kg	1.5	J	µg/Kg	19.3 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1254	3,600		µg/Kg	36	U	µg/Kg	100.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	**5,500**	**J**	**µg/Kg**	36	U	µg/Kg	152.8 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Copper	69.9	J	mg/Kg	14.1	J	mg/Kg	5.0 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Lead	42.8	JEB	mg/Kg	5.2	JEB	mg/Kg	8.2 × Ref	530	mg/Kg	950	mg/Kg
	Mercury	0.53		mg/Kg	0.031	J	mg/Kg	17.1 × Ref	85	mg/Kg	930	mg/Kg
	Zinc	102	J	mg/Kg	33.3	J	mg/Kg	3.1 × Ref	85,000	mg/Kg	93,000	mg/Kg
SB-33	**VOCs**											
	Acetone	110	EB	µg/Kg	17	U	µg/Kg	6.5 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Bromomethane	21	J	µg/Kg	3.6	U	µg/Kg	5.8 × CRQL	390,000	µg/Kg	850,000	µg/Kg
	Butanone, 2-	25	J	µg/Kg	1.5	J	µg/Kg	16.7 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	Chloromethane	11	J	µg/Kg	3.6	U	µg/Kg	3.1 × CRQL	NL		NL	
	PCBs											
	Aroclor-1254	2,700		µg/Kg	36	U	µg/Kg	75.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	2,700		µg/Kg	36	U	µg/Kg	75.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-33 Concluded	**INORGANICS**											
	Lead	16.8	JEB	mg/Kg	5.2	JEB	mg/Kg	3.2 × Ref	530	mg/Kg	950	mg/Kg
	Mercury	0.40		mg/Kg	0.031	J	mg/Kg	12.9 × Ref	85	mg/Kg	930	mg/Kg
SB-34	**VOCs**											
	Acetone	360		µg/Kg	17	U	µg/Kg	21.2 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Butanone, 2-	150		µg/Kg	1.5	J	µg/Kg	100.0 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	Chlorobenzene	4.7	J	µg/Kg	3.6	U	µg/Kg	1.3 × CRQL	5.7E+06	µg/Kg	6.4E+07	µg/Kg
	Dichlorobenzene, 1,2-	4.5	J	µg/Kg	3.6	U	µg/Kg	1.3 × CRQL	8.5E+06	µg/Kg	8.4E+07	µg/Kg
	Dichlorobenzene, 1,3-	16	J	µg/Kg	3.6	U	µg/Kg	4.4 × CRQL	570,000	µg/Kg	6.2E+06	µg/Kg
	Dichlorobenzene, 1,4-	3.7	J	µg/Kg	3.6	U	µg/Kg	1.0 × CRQL	3.6E+06	µg/Kg	9.5E+06	µg/Kg
	Ethylbenzene	62	J	µg/Kg	3.6	U	µg/Kg	17.2 × CRQL	2.1E+06	µg/Kg	2.7E+07	µg/Kg
	Isopropylbenzene	18	J	µg/Kg	3.6	U	µg/Kg	5.0 × CRQL	NL		NL	
	Methyl-2-pentanone, 4-	10	J	µg/Kg	7.2	U	µg/Kg	1.4 × CRQL	2.3E+07	µg/Kg	1.2E+08	µg/Kg
	Toluene	21	JEB	µg/Kg	3.6	U	µg/Kg	5.8 × CRQL	2.3E+07	µg/Kg	2.0E+08	µg/Kg
	Xylene, m,p-	55	J	µg/Kg	3.6	U	µg/Kg	15.3 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	Xylene, o-	38	J	µg/Kg	3.6	U	µg/Kg	10.6 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	PCBs											
	Aroclor-1248	3,600	J	µg/Kg	36	U	µg/Kg	100.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	1,800	J	µg/Kg	36	U	µg/Kg	50.0 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	3,200	J	µg/Kg	36	U	µg/Kg	88.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-34 Concluded	**INORGANICS**											
	Arsenic	***134***	***J***	***mg/Kg***	8.4		mg/Kg	16.0 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	9,200	J	mg/Kg	39.5	J	mg/Kg	232.9 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***306***	***J***	***mg/Kg***	0.7	UJ	mg/Kg	437 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	41,900	J	mg/Kg	1,010	J	mg/Kg	41.5 × Ref	NL		NL	
	Chromium	610		mg/Kg	27.8	J	mg/Kg	21.9 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	2,170	J	mg/Kg	14.1	J	mg/Kg	153.9 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***805,000***	***J***	***mg/Kg***	17,400	J	mg/Kg	46.3 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***5,080***	***J***	***mg/Kg***	5.2	JEB	mg/Kg	976.9 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	23,400	J	mg/Kg	5,510		mg/Kg	4.2 × Ref	NL		NL	
	Manganese	3,070	J	mg/Kg	169	J	mg/Kg	18.2 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.4	J	mg/Kg	0.031	J	mg/Kg	12.9 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	***1,080***	***J***	***mg/Kg***	25.3	J	mg/Kg	42.7 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	5,070	J	mg/Kg	1,490		mg/Kg	3.4 × Ref	NL		NL	
	Silver	75.9	J	mg/Kg	R	1.0	mg/Kg	75.9 × CRQL*	1,400	mg/Kg	1,500	mg/Kg
	Sodium	1,700	J	mg/Kg	172	J	mg/Kg	9.9 × Ref	NL		NL	
	Thallium	**65.9**	**J**	**mg/Kg**	3.5	U	mg/Kg	18.8 × CRQL	23	mg/Kg	250	mg/Kg
	Zinc	11,300	JEB	mg/Kg	33.3	J	mg/Kg	339.3 × Ref	85,000	mg/Kg	93,000	mg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-35	**VOCs**											
	Acetone	3,100		µg/Kg	17	U	µg/Kg	182.4 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Butanone, 2-	1,500	J	µg/Kg	1.5	J	µg/Kg	1,000 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	Carbon Disulfide	150	J	µg/Kg	3.6	U	µg/Kg	41.7 × CRQL	2.8E+07	µg/Kg	3.0E+07	µg/Kg
	Chlorobenzene	49	J	µg/Kg	3.6	U	µg/Kg	13.6 × CRQL	5.7E+06	µg/Kg	6.4E+07	µg/Kg
	Chloroform	560	J	µg/Kg	3.6	U	µg/Kg	155.6 × CRQL	750,000	µg/Kg	7.4E+06	µg/Kg
	Ethylbenzene	1,900		µg/Kg	3.6	U	µg/Kg	527.8 × CRQL	2.1E+06	µg/Kg	2.7E+07	µg/Kg
	Isopropylbenzene	260	J	µg/Kg	3.6	U	µg/Kg	72.2 × CRQL	NL		NL	
	Methyl Acetate	4,800		µg/Kg	3.6	U	µg/Kg	1,333 × CRQL	NL		NL	
	Methyl-2-pentanone, 4-	15,000		µg/Kg	7.2	U	µg/Kg	2,083 × CRQL	2.3E+07	µg/Kg	1.2E+08	µg/Kg
	Toluene	2,000	EB	µg/Kg	3.6	U	µg/Kg	1,944 × CRQL	2.3E+07	µg/Kg	2.0E+08	µg/Kg
	Trichloroethene	52	J	µg/Kg	3.6	U	µg/Kg	14.4 × CRQL	1.8E+06	µg/Kg	2.9E+07	µg/Kg
	Xylene, m,p-	2,000		µg/Kg	3.6	U	µg/Kg	555.6 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	Xylene, o-	1,200		µg/Kg	3.6	U	µg/Kg	333.3 × CRQL	5.5E+07[4]	µg/Kg	3.5E+07[4]	µg/Kg
	PCBs											
	Aroclor-1254	**4,300**	**J**	**µg/Kg**	36	U	µg/Kg	119.4 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	370	J	µg/Kg	36	U	µg/Kg	10.3 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Arsenic	***136***	***J***	***mg/Kg***	8.4		mg/Kg	16.2 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	8,360	J	mg/Kg	39.5	J	mg/Kg	211.6 × Ref	57,000	mg/Kg	62,000	mg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-35 Concluded	**INORGANICS**											
	Beryllium	5.5	J	mg/Kg	0.7	UJ	mg/Kg	7.9 × CRQL	570	mg/Kg	620	mg/Kg
	Cadmium	***75***	***J***	***mg/Kg***	0.7	UJ	mg/Kg	107.1 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	52,000	J	mg/Kg	1,010	J	mg/Kg	51.5 × Ref	NL		NL	
	Chromium	631		mg/Kg	27.8	J	mg/Kg	22.7 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	803	J	mg/Kg	14.1	J	mg/Kg	57.0 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***805,000***	***J***	***mg/Kg***	17,400	J	mg/Kg	46.3 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***3,880***	***J***	***mg/Kg***	5.2	JEB	mg/Kg	746.2 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	38,100	J	mg/Kg	5,510		mg/Kg	6.9 × Ref	NL		NL	
	Manganese	4,980	J	mg/Kg	169	J	mg/Kg	29.5 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	2.4	J	mg/Kg	0.031	J	mg/Kg	77.4 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	565	J	mg/Kg	25.3	J	mg/Kg	22.3 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	7,320	J	mg/Kg	1,490		mg/Kg	4.9 × Ref	NL		NL	
	Silver	76.6	J	mg/Kg	R	1.0	mg/Kg	76.6 × CRQL*	1,400	mg/Kg	1,500	mg/Kg
	Sodium	12,400	J	mg/Kg	172	J	mg/Kg	72.1 × Ref	NL		NL	
	Thallium	**79.5**	**J**	**mg/Kg**	3.5	U	mg/Kg	22.7 × CRQL	23	mg/Kg	250	mg/Kg
	Vanadium	118	J	mg/Kg	26.7		mg/Kg	4.4 × Ref	2,000	mg/Kg	2,200	mg/Kg
	Zinc	11,100	JEB	mg/Kg	33.3	J	mg/Kg	333.3 × Ref	85,000	mg/Kg	93,000	mg/Kg
SB-36	**VOCs**											
	Acetone	190	J	µg/Kg	17	U	µg/Kg	11.2 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Butanone, 2-	40	J	µg/Kg	1.5	J	µg/Kg	26.7 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-36 Continued	**PCBs**											
	Aroclor-1248	2,600		µg/Kg	36	U	µg/Kg	72.2 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	2,600		µg/Kg	36	U	µg/Kg	72.2 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	***38,000***	***J***	***µg/Kg***	36	U	µg/Kg	1,056 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Arsenic	***244***	***J***	***mg/Kg***	8.4		mg/Kg	29.0 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	13,700	J	mg/Kg	39.5	J	mg/Kg	346.8 × Ref	57,000	mg/Kg	62,000	mg/Kg
	Cadmium	***219***	***J***	***mg/Kg***	0.7	UJ	mg/Kg	312.9 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	92,800	J	mg/Kg	1,010	J	mg/Kg	91.9 × Ref	NL		NL	
	Chromium	762		mg/Kg	27.8	J	mg/Kg	27.4 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	2,900	J	mg/Kg	14.1	J	mg/Kg	205.7 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***1,130,000***	***J***	***mg/Kg***	17,400	J	mg/Kg	64.9 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***4,750***	***J***	***mg/Kg***	5.2	JEB	mg/Kg	913.5 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	39,100	J	mg/Kg	5,510		mg/Kg	7.1 × Ref	NL		NL	
	Manganese	4,310	J	mg/Kg	169	J	mg/Kg	25.5 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	1.3	J	mg/Kg	0.031	J	mg/Kg	41.9 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	***998***	***J***	***mg/Kg***	25.3	J	mg/Kg	39.4 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	6,430	J	mg/Kg	1,490		mg/Kg	4.3 × Ref	NL		NL	

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-36 Concluded	**INORGANICS**											
	Silver	106	J	mg/Kg	R	1.0	mg/Kg	106.0 × CRQL*	1,400	mg/Kg	1,500	mg/Kg
	Sodium	2,900	J	mg/Kg	172	J	mg/Kg	16.9 × Ref	NL		NL	
	Thallium	**57.6**	**J**	**mg/Kg**	3.5	U	mg/Kg	16.5 × CRQL	23	mg/Kg	250	mg/Kg
	Vanadium	84.8	J	mg/Kg	26.7		mg/Kg	3.2 × Ref	2,000	mg/Kg	2,200	mg/Kg
	Zinc	14,400	JEB	mg/Kg	33.3	J	mg/Kg	432.4 × Ref	85,000	mg/Kg	93,000	mg/Kg
SB-43	**VOCs**											
	Acetone	190	J	µg/Kg	17	U	µg/Kg	11.2 × CRQL	2.6E+08	µg/Kg	4.7E+08	µg/Kg
	Butanone, 2-	30	J	µg/Kg	1.5	J	µg/Kg	20.0 × Ref	1.7E+08	µg/Kg	1.2E+08	µg/Kg
	PCBs											
	Aroclor-1248	2,800		µg/Kg	36	U	µg/Kg	77.8 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1254	2,200		µg/Kg	36	U	µg/Kg	61.1 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	Aroclor-1260	***32,000***	***J***	***µg/Kg***	36	U	µg/Kg	888.9 × CRQL	4,100[3]	µg/Kg	6,500[3]	µg/Kg
	INORGANICS											
	Arsenic	***242***	***J***	***mg/Kg***	8.4		mg/Kg	28.8 × Ref	9[1]	mg/Kg	42	mg/Kg
	Barium	16,200	J	mg/Kg	39.5	J	mg/Kg	410.1 × Ref	57,000	mg/Kg	62,000	mg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration			Reference Concentration			Comments	ME DEP RAGs Park User		ME DEP RAGs Excavation or Construction Worker	
SB-43 Concluded	**INORGANICS**											
	Cadmium	***202***	***J***	***mg/Kg***	0.7	UJ	mg/Kg	288.6 × CRQL	18	mg/Kg	19	mg/Kg
	Calcium	100,000	J	mg/Kg	1,010	J	mg/Kg	99.0 × Ref	NL		NL	
	Chromium	882		mg/Kg	27.8	J	mg/Kg	31.7 × Ref	430,000[2]	mg/Kg	460,000[2]	mg/Kg
	Copper	3,040	J	mg/Kg	14.1	J	mg/Kg	215.6 × Ref	4,000	mg/Kg	4,300	mg/Kg
	Iron	***1,250,000***	***J***	***mg/Kg***	17,400	J	mg/Kg	71.8 × Ref	200,000	mg/Kg	220,000	mg/Kg
	Lead	***5,910***	***J***	***mg/Kg***	5.2	JEB	mg/Kg	1,137 × Ref	530	mg/Kg	950	mg/Kg
	Magnesium	31,000	J	mg/Kg	5,510		mg/Kg	5.6 × Ref	NL		NL	
	Manganese	4,720	J	mg/Kg	169	J	mg/Kg	27.9 × Ref	6,800	mg/Kg	7,400	mg/Kg
	Mercury	0.38	J	mg/Kg	0.031	J	mg/Kg	12.3 × Ref	85	mg/Kg	930	mg/Kg
	Nickel	***1,080***	***J***	***mg/Kg***	25.3	J	mg/Kg	42.7 × Ref	850	mg/Kg	930	mg/Kg
	Potassium	6,730	J	mg/Kg	1,490		mg/Kg	4.5 × Ref	NL		NL	
	Silver	122	J	mg/Kg	R	1.0	mg/Kg	122.0 × CRQL*	1,400	mg/Kg	1,500	mg/Kg
	Sodium	3,130	J	mg/Kg	172	J	mg/Kg	18.2 × Ref	NL		NL	
	Vanadium	94.6	J	mg/Kg	26.7		mg/Kg	3.5 × Ref	2,000	mg/Kg	2,200	mg/Kg
	Zinc	14,800	JEB	mg/Kg	33.3	J	mg/Kg	444.4 × Ref	85,000	mg/Kg	93,000	mg/Kg

Table 6

Summary of Analytical Results
Subsurface Soil/Source Sample Analysis for Leeds Metal (Concluded)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	ME DEP RAGs Park User	ME DEP RAGs Excavation or Construction Worker
SB-44	**VOCs**					
	Tetrachloroethene	480 µg/Kg	3.6 U µg/Kg	133.3 × CRQL	44,000 µg/Kg	790,000 µg/Kg

Bolded values indicate the organic compound or inorganic element was detected at a concentration equal to or greater than its respective ME DEP RAG for the Park User Scenario.

Bolded and *italicized* values indicate the organic compound or inorganic element was detected at a concentration equal to or greater than its respective ME DEP RAG for the Excavation and Construction Worker Scenario.

[1] Indicates the ME DEP RAG background standard for arsenic is listed, as background sampling indicates concentrations greater than the ME DEP RAG Park User concentration of 2.3 mg/Kg.

[2] Indicates the ME DEP RAG standard for trivalent chromium is listed, as a standard for total chromium does not exist.

[3] Indicates the ME DEP RAG standard for polychlorinated biphenyls is listed, as standards for specific aroclors do not exist.

[4] Indicates the ME DEP RAG standard for xylene (total) is listed, as standards for o-xylene and m,p-xylene do not exist.

Note: If a compound or element was not detected in the respective reference sample(s), that compound or element is designated by its relative difference above the sample-adjusted CRQL (denoted CRQL in the table). If the compound or element was rejected in the reference sample(s), that compound or element is compared against the CRQL (denoted CRQL* in the table).

VOCs = Volatile Organic Compounds.
CRQL = Contract Required Quantitation Limit.
µg/Kg = Micrograms per kilogram [equivalent to parts per billion (ppb)].
ME DEP = Maine Department of Environmental Protection.
mg/Kg = Milligrams per kilogram [equivalent to parts per million (ppm)].
J = The associated numerical value is an estimated quantity.
U = The compound or element was analyzed for, but not detected. The associated numerical value is the sample-adjusted CRQL.
UJ = The compound or element was analyzed for, but not detected. The associated numerical value is the estimated sample-adjusted CRQL.
TB = The compound was identified in an aqueous trip blank that was used to assess field contamination associated with soil/source samples.
EB = The compound was identified in an aqueous equipment blank used to assess field contamination associated with soil/source samples.
R = The value for the compound or element was rejected due to failure of one or more quality control parameters.

PCBs = Polychlorinated Biphenyls.
Ref = Reference value.
NL = Not Listed. An applicable ME DEP RAG standard does not exist.
RAGs = Remedial Action Guidelines.

[1, 89-98; 115-117]

A total of 24 VOCs were detected in START subsurface soil/source samples collected from the Leeds Metal property. Of these, the following 20 VOCs were detected at concentrations exceeding reference criteria (maximum concentration and sample location in parentheses): acetone (3,100 µg/Kg in SB-35); bromomethane (21 J µg/Kg in SB-33); 2-butanone [methyl ethyl ketone (MEK)] (1,500 J µg/Kg in SB-35); carbon disulfide (150 J µg/Kg in SB-35); chlorobenzene (49 J µg/Kg in SB-35); chloroform (560 J µg/Kg in SB-35); chloromethane (11 J µg/Kg in SB-33); 1,2-dichlorobenzene (4.5 J µg/Kg in SB-34); 1,3-dichlorobenzene (16 J µg/Kg in SB-34); 1,4-dichlorobenzene (3.7 J µg/Kg in SB-34); ethylbenzene (1,900 µg/Kg in SB-35); isopropylbenzene (260 J µg/Kg in SB-35); methyl acetate (4,800 µg/Kg in SB-35); 4-methyl-2-pentanone (15,000 µg/Kg in SB-35); styrene (15 J µg/Kg in SS-31); PCE (3,900 µg/Kg in SB-31); toluene (2,000 EB µg/Kg in SB-35); TCE (52 J µg/Kg in SB-35); m,p-xylene (2,000 µg/Kg in SB-35); and o-xylene (1,200 µg/Kg in SB-35) [1; 89-93; 115-117]. No VOCs were detected in START subsurface soil/source samples at concentrations exceeding their ME DEP RAG for Park User or ME DEP RAG for Excavation or Construction Worker scenarios [35].

Five PCBs were detected in START subsurface soil/source samples collected from the Leeds Metal property. In addition, these five PCBs were detected at concentrations exceeding reference criteria, and are as follows (maximum concentration and sample location in parentheses): Aroclor-1242 (240 J µg/Kg in SB-12); Aroclor-1248 (3,600 J µg/Kg in SB-34); Aroclor-1254 (24,000 µg/Kg in SB-31); Aroclor-1260 (38,000 J µg/Kg in SB-36); and Aroclor-1268 (1,100 J µg/Kg in SB-28) [1; 89-93; 115-117]. Furthermore, two PCBs (Aroclor-1254 and Aroclor-1260) were detected at concentrations exceeding the ME DEP RAG for Park User and/or ME DEP RAG for Excavation or Construction Worker scenarios for total PCBs [35].

A total of 22 total metals were detected in START subsurface soil/source samples collected from the Leeds Metal property. In addition, all 22 total metals were detected at concentrations exceeding reference criteria (maximum concentration and sample location in parentheses): aluminum (55,200 J mg/Kg in SB-09); antimony (1,180 J mg/Kg in SB-31); arsenic (244 J mg/Kg in SB-36); barium (16,200 J mg/Kg in SB-43); beryllium (5.5 J mg/Kg in SB-35); cadmium (306 J mg/Kg in SB-34); calcium (100,000 J mg/Kg in SB-43); chromium (2,820 J mg/Kg in SB-29); cobalt (42.8 J mg/Kg in SB-29); copper (72,500 J mg/Kg in SB-08); iron (1,250,000 J mg/Kg in SB-43); lead (25,000 JEB mg/Kg in SB-31); magnesium (31,000 J mg/Kg in SB-43); manganese (7,920 J mg/Kg in SB-29); mercury (5.2 J mg/Kg in SB-28); nickel (5,380 J mg/Kg in SB-29); potassium (7,320 J mg/Kg in SB-35); silver (122 J mg/Kg in SB-43); sodium (12,400 J mg/Kg in SB-35); thallium (79.5 J mg/Kg in SB-35); vanadium (118 J mg/Kg in SB-35); and zinc (70,300 J mg/Kg in SB-28) [1; 94-98; 115-117]. In addition, eight total metals (antimony, arsenic, cadmium, copper, iron, lead, nickel, and thallium) were detected at concentrations exceeding their ME DEP RAG for Park User and/or ME DEP RAG for Excavation or Construction Worker Scenarios [35].

START conducted surface soil/source sampling as part of the EPA Site Assessment Site Inspection. Based on analytical results, a contaminated surface soil/source area has been documented as containing the following substances: 13 VOCs (acetone, bromomethane, 2-butanone, chloromethane, ethylbenzene, methyl acetate, methyl tert-butyl ether, styrene, PCE, toluene, 1,2,3-trichlorobenzene, m,p-xylene, and o-xylene); five PCBs (Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, and Aroclor-1268); and 23 total metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc) [1; 89-98; 115-117]. Of these contaminants, 14 substances (Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, antimony, arsenic, cadmium, cobalt, copper, iron,

lead, nickel, thallium, and zinc) were detected at concentrations exceeding ME DEP RAG for Park User and/or ME DEP RAG for Excavation or Construction Worker Scenarios [35]. To date, no known actions have been taken to address this contaminated subsurface soil/source area.

START conducted subsurface soil/source sampling as part of the EPA Site Assessment Site Inspection. Based on analytical results, a contaminated subsurface soil/source area has been documented as containing the following substances: 20 VOCs (acetone, bromomethane, 2-butanone, carbon disulfide, chlorobenzene, chloroform, chloromethane, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, ethylbenzene, isopropylbenzene, methyl acetate, 4-methyl-2-pentanone, styrene, PCE, toluene, TCE, m,p-xylene, and o-xylene); five PCBs (Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, and Aroclor-1268); and 22 total metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, silver, sodium, thallium, vanadium, and zinc) [1; 89-98; 115-117]. Of these contaminants, 11 substances (Aroclor-1254, Aroclor-1260, antimony, arsenic, cadmium, copper, iron, lead, manganese, nickel, and thallium) were detected at concentrations exceeding their ME DEP RAG for Park User and/or ME DEP RAG for Excavation or Construction Worker Scenarios [35]. To date, no known actions have been taken to address this contaminated subsurface soil/source area.

GROUNDWATER PATHWAY

On 16 March 2010, START conducted an on-site reconnaissance of the Leeds Metal property as part of the EPA Site Assessment Combined Preliminary Assessment/Site Inspection. START personnel did not note any paved surfaces anywhere throughout the property [1, pp. 2-14]. The mean annual precipitation of Lewiston, ME, which is located approximately 12 miles southwest of the Leeds Metal property, is 44.1 inches [15]. For the purposes of this evaluation, START assumes that 44.1 inches of rain per year is representative of the mean annual precipitation rate at the Leeds Metal property.

According to the United States Department of Agriculture (USDA) soil survey maps, soils on the Leeds Metal property consist of three types. Approximately 76% of site soils, including the majority of soil in the northern, central, and western portions of the property, consist of what is described by USDA as sand and gravel pits. Approximately 18% of site soils, including soils in the western and southern portions of the property, consist of Hinckley gravelly sandy loam with 0 to 8% slopes. The southeastern portion of the property, which comprises approximately 6% of site soils, consists of Hinckley gravelly sandy loam with 8 to 15% slopes [16]. According to previous reports, the property was once used as a sand and gravel pit [39; 78, pp 2-3].

The regional surficial geology around the Leeds Metal property is highlighted by Pleistocene glaciomarine deposits [8; 12; 18; 150-152]. Surficial deposits beneath the Leeds Metal property are classified as Island Pond Marine Delta, which were formed under glacial-marine deltaic conditions and are composed of sorted and stratified sand and gravel [18; 152]. Depositional characteristics of the Island Pond Marine Delta materials indicate that the deposit was graded to the surface of a late-glacial sea and contains flat top, forset, and topset beds [18; 152]. The area of the Island Pond Marine Delta is classified as a significant sand and gravel aquifer, with surficial deposits considered to contain moderate-to-good potential groundwater yield of up to 50 gallons per minute [18; 20; 152].

Surficial deposits south and southeast of the Leeds Metal property are classified as Marine Nearshore deposits and Presumpscot Formation [8; 18; 152]. Marine Nearshore deposits are

characterized as containing sand, gravel, and silt deposited by wave and current action in shoreline and shallow nearshore environments [18; 152]. The Presumpscot Formation is characterized as containing materials such as silt, clay, and sand deposited on the late-glacial to early postglacial sea floor [18; 152].

Thickness of the overburden material in the area around the Leeds Metal property is approximately 97 feet northwest, along Plains Road, and between 148 and 188 feet to the south and southwest of the property [153; 154]. The hydraulic conductivity of fine-to-coarse sand deposits such as this is approximately 10^{-4} centimeters per second (cm/s) [155].

On-site investigations conducted to date indicate the subsurface geology consists of fine-to-coarse sand, with some fine-to-coarse gravel and inconsistent inclusions of silt and clay on the property [68; 74; 78]. Subsurface investigations and ground water monitoring well installation on the Leeds Metal property have been conducted to a maximum depth of 47.1 feet bgs within the overburden aquifer [170].

The Leeds Metal property is underlain by meta-sedimentary bedrock geologic Sangerville Formation, which is Silurian in age and is highlighted by thick-bedded, weakly calcareous, poorly-graded greywacke, sandstone, and siltstone [8; 12; 17; 150; 156-158]. The Sangerville Formation is further divided into subdivisions, of which the Patch Mountain Member is one [63, pp. 1-2; 64, p. 2; 66]. The Leeds Metal property lies within the early Silurian Patch Mountain Member of the Sangerville Formation [7; 63, pp. 1-2; 64, p. 2; 66]. The Patch Mountain Member is characterized by 'thin well-bedded alternations of light-to-medium greenish-gray calc-silicate granofels, quartz-feldspathic biotite granofels, and fine-grained impure granoblastic marble' [157]. In places, the Patch Mountain Member is composed of massive marble only [157]. Bedding is frequently accentuated on weathered surfaces by the differential solution of marble beds [157]. Evidence of faulting in the area is almost entirely lacking; and the metamorphic rocks, as a rule, are poorly jointed [157]. The hydraulic conductivity of low to moderate permeable fracture metamorphic bedrock such as this is from approximately 10^{-4} to 10^{-6} cm/s [155].

Based on GPS data collected by START in November and December 2010, local residential well information regarding the depth to bedrock, and overburden thickness in the area of the site, the bedrock surface elevation (topography) in the vicinity of the Leeds Metal property, generally slopes from north to south along ME Route 106 [159]. The bedrock surface topography slopes from 179.2 feet [measured as Height Above Ellipsoid (HAE)] northwest of the site along Plains Road (Reference drinking water well location DW-02, 0.51 miles northwest of Debris Pile D), to 92.7 ft HAE adjacent the southwestern corner of the site along ME Route 106 (Sample DW-09 location, 0.1 miles southwest of Debris Pile D), to 72.7 ft HAE south of the southwestern corner of the site along ME Route 106 (Sample DW-23 location, 0.3 miles southwest of Debris Pile D); where HAE is defined as height above sea level by GPS Pathfinder Office software [159].

The groundwater beneath the Leeds Metal property is classified by ME DEP as GW-A. The GW-A classification applies to groundwater that is suitable for drinking for existing or potential public or private supplies [21]. No physical barriers to groundwater flow, such as mountains or large rivers, have been identified within a 4-mile radius of the Leeds Metal property [8-12]. Limited subsurface investigations have not identified any continuous aquitards in the vicinity of the Leeds Metal property [67-69; 74]. The Leeds Metal property is located within a ME DEP-defined wellhead protection area. According to Maine Revised Statue Title 38, Chapter 13-D, a wellhead protection zone exists within 300 feet of a private drinking water well and within 1,000

feet of a public drinking water supply well [88, p. 4]. The nearest private drinking water supply well is located south of the Leeds Metal property, within 300 feet of potential source areas [58; 77]. The most recent groundwater sampling event conducted at the Leeds Metal property indicates that depth to groundwater is approximately 4 to 15 feet bgs in the southern and central portions of the property, and approximately 2 feet bgs in the northwestern portion of the property [1, pp. 41-42; 68; 74]. Previous investigations at the property indicated that groundwater flow direction is variable. A groundwater elevation survey conducted in September 1998 indicated that shallow groundwater beneath the property flowed in a north-to-south direction [67, p. 5, Figure 3]. A subsequent ERM groundwater investigation, which included the installation of permanent overburden monitoring wells, indicated shallow groundwater flow was from the southeast to the northwest across the property [68, p. 5, Figure 3]. In May 2004, as part of an investigation of the northwest portion of the property, Roux personnel installed groundwater monitoring wells on the site and performed a groundwater elevation survey on existing and newly installed on-site groundwater monitoring wells. Roux 2004 survey results indicated that shallow groundwater flow beneath the property was in a north-to-northwest direction across the property [74, p. 16, Table 3, Figure 3]. In addition, Roux concluded that based on measured differences in groundwater elevation within the shallow and deep overburden couplet monitoring wells, a vertical gradient existed which indicated a groundwater recharge condition [74, p. 16, Table 3, Figure 3].

According to ME DEP, the hydrogeologic environment is very complex, and limited sampling completed to date has been inadequate to understand the temporal and spatial complexities and variations [160]. There is insufficient data to determine the location, size, or relative strength of the source areas, or vertical and horizontal distribution of VOCs in the subsurface [160]. The hydrogeology beneath the site is characterized by the on-site shallow and deep glacial overburden aquifer, which is hydraulically connected to the underlying meta-sedimentary bedrock aquifer [8; 12; 17; 67; 68; 150; 156-158; 160-161]. The aquifer interconnection is demonstrated by a downward migration of hazardous substances (PCE) from the Leeds Metal sources into the on-site shallow and deep overburden aquifers, and then to the bedrock aquifer, which supplies nearby residential wells within 1 mile of the site sources [1; 74; 90; 93; 99-101; 115; 116; 161]. A ME DEP Certified Environmental Hydrologist/representative has pointed out, on several occasions, that the hydrogeology of the site appears to be complex based on the limited data collected to date. ME DEP has stated that shallow groundwater is likely to follow the localized surface water drainage towards Bonny Pond, northwest of the site. According to ME DEP, deeper groundwater likely follows the regional surface water drainage pattern towards the Dead River, located southwest of the site. However, investigations of the Leeds Metal property conducted to date have not included any investigation of the deeper groundwater flow regime. The deepest monitoring well on-site only penetrates to a depth of 47.1 feet. ME DEP has stated that the bedrock surface is estimated to be 100-150 below the deepest on-site monitoring well, demonstrating the inadequacy of the current monitoring well network to characterize the flow in the deeper overburden and underlying bedrock [168; 169; 170]. On 17 May 2011, ERM, on behalf of Pan Am Railways, provided comments regarding the Draft Leeds SI Report, where they stated that groundwater elevation data for deep overburden site wells suggest the flow was to the southwest [171]. For the purposes of this report, since the Shallow Overburden, Deep Glacial, and underlying Meta-sediment Bedrock Aquifers are interconnected, the combined aquifer (Leeds Aquifer) constitutes the aquifer of concern. START assumes groundwater flow beneath the site to be in a north to south/southwest direction.

All or part of the following ME towns are located within 4 radial miles of the Leeds Metal property: Leeds (population: 2,001); Greene (population: 4,076); Wales (population: 1,322);

Monmouth (population: 3,785); Winthrop (population: 6,232); and Wayne (population: 1,112) [22].

The nearest public drinking water supply well is one bedrock well which constitutes the West Village Mobile Home Park System [Public Water System Identification Number (PWS ID No.) ME0009171], located in the Town of Monmouth, ME, approximately 0.4 miles east of the Leeds Metal property. The West Village Mobile Home Park System is a community water system [23]. A community water system is defined as a system which supplies drinking water to 25 or more of the same people year-round in their residences [24]. The West Village Mobile Home Park System serves a total of 105 people [23].

There is one additional public drinking water supply system within 4 radial miles of the Leeds Metal property, located in the Town of Monmouth, ME. The Monmouth Water Association System (PWS ID No. ME0091020) comprises three wells, two of which are each located approximately 2.5 miles northeast of the Leeds Metal property, and one which is located approximately 2.8 miles southeast of the property. The Monmouth Water Association System serves 1,629 people. No individual well contributes more than 33% of potable water, and the entire system is blended after treatment and then distributed. START assumes that each well contributes equally to the system; therefore, each well serves approximately 543 people [23].

In addition to the community public drinking water supply systems, there is one non-transient, non-community, public drinking water supply system located in the Town of Monmouth, ME [23]. A non-transient, non-community, public drinking water supply system is defined as a system which supplies water to 25 or more of the same people at least 6 months per year in places other than their residences [24]. The Tex Tech Industries System (PWS ID No. ME0094323) comprises two wells (screened in bedrock), each located approximately 3.6 miles northeast of the Leeds Metal property, which serve a total of approximately 215 people [23].

Residents of the Town of Wales are served by both public and private drinking water supply sources. There is one community drinking water supply system located in the Town of Wales within 4 radial miles of the Leeds Metal property. The Springbrook Mobile Home Court System (PWS ID No. ME0003639) comprises one well (screened interval unknown), located approximately 2.1 miles south of the Leeds Metal property, which serves approximately 35 people [23].

Residents in the Town of Greene are served by both public and private drinking water supply sources. There is one non-transient, non-community, drinking water supply system located in the Town of Greene within 4 radial miles of the Leeds Metal property. The M.P.A.C. System (PWS ID No. ME0094052) comprises one well (screened interval unknown), located approximately 3.2 miles southeast of the Leeds Metal property, which serves approximately 145 people [23].

Residents of the Towns of Leeds, Winthrop, and Wayne are served by both public and private drinking water supply sources; however, no public drinking water supply sources in these towns are located within 4 radial miles of the Leeds Metal property [23]. Table 7 summarizes public groundwater supply sources within 4 radial miles of the Leeds Metal property.

Table 7

Public Groundwater Supply Sources Within 4 Radial Miles of Leeds Metal

Distance/ Direction from Site	Source Name	PWS ID No./Type	Location of Source[a]	Estimated Population Served	Source Type[b]
0.4 miles east	West Village Mobile Home Park System (1 well)	ME0009171/Comm.	Monmouth	105	Bedrock
2.1 miles south	Springbrook Mobile Home Court System (1 well)	ME0003639/Comm.	Wales	35	Unknown
2.5 miles northeast	Monmouth Water Association System (Drilled Well # 2) – (1 well)	ME0091020/Comm.	Monmouth	543	Bedrock
2.5 miles northeast	Monmouth Water Association System (Drilled Well # 3) – (1 well)	ME0091020/Comm.	Monmouth	543	Bedrock
2.8 miles southeast	Monmouth Water Association System (1 well)	ME0091020/Comm.	Monmouth	543	Overburden
3.2 miles southeast	M.P.A.C. System (1 well)	ME0094052/NTNC	Greene	145	Unknown
3.6 miles northeast	Tex Tech Industries System (2 wells)	ME0094323/NTNC	Monmouth	215	Bedrock

[23]

[a] Indicates Town in which well is located.
Comm. = Community water system.
NTNC = Non-transient non-community.

[b] Overburden, Bedrock, or Unknown.
PWS ID No. = Public Water System Identification Number.

The EPA New England Geographic Information System (GIS) Center provided START with the following three maps for the Leeds Metal property: Population by Radius (1990 U.S. Census) within 4 Radial Miles of the Leeds Metal Property; Population by Radius on Private Wells (1990 U.S. Census) within 4 Radial Miles of the Leeds Metal Property; and Population by Radius (2000 U.S. Census) within 4 Radial Miles of the Leeds Metal Property. The EPA GIS Center calculated the population data by using shapefiles of the population block group data from the respective census, and overlaying the shapefiles onto a basemap which contained the Leeds Metal property boundary and associated radial rings around the boundary (*i.e.* site boundary to ¼ mile, ¼ mile to ½ mile, ½ mile to 1 mile, 1 mile to 2 miles, 2 miles to 3 miles, and 3 miles to 4 miles). For block groups that overlapped radial rings, the EPA GIS Center calculated the percentage of the block group which fell within each of the radial rings, and determined the corresponding percentage of the population which fell within each of the radial rings [25].

As part of the 1990 U.S. Census questionnaire, the source of survey participants' drinking water was requested. This information, which was grouped by the U.S. Census Bureau into block groups, was used to determine the number of people within radial rings of a site who relied on private drinking water wells as their source of drinking water. The 2000 U.S. Census questionnaire did not request the drinking water source information; therefore, START utilized the information provided by the three EPA GIS Center maps to determine the approximate

population currently served by private drinking water wells. START calculated the percentage change in total population for the entire 4-mile radius *(i.e.* percentage change was not calculated for each individual radial ring). Once the percentage change in total population was calculated, START applied that percentage change to determine the 2000 population utilizing private drinking water wells for drinking water [25]. The total population which relies on groundwater within 4 radial miles of the Leeds Metal property as a drinking water source is estimated to be 5,718 people [23; 25]. Table 8 summarizes the estimated drinking water populations served by public and private groundwater sources within 4 radial miles of the Leeds Metal property.

Table 8

Estimated Drinking Water Populations Served by Groundwater Sources Within 4 Radial Miles of Leeds Metal

Radial Distance From Leeds Metal (miles)	Estimated Population Served by Private Wells	Estimated Population Served by Public Wells	Total Estimated Population Served by Groundwater Sources Within the Ring
0.00 to 0.25	30	0	30
> 0.25 to 0.50	72	105	177
> 0.50 to 1.00	184	0	184
> 1.00 to 2.00	574	0	574
> 2.00 to 3.00	1,257	1,664	2,921
> 3.00 to 4.00	1,472	360	1,832
TOTAL	3,589	2,129	5,718

[23; 25]

On 17 and 18 September 1998, on behalf of MCRC, ERM installed 11 temporary groundwater monitoring wells (MW-1 through MW-11) at various locations throughout the Leeds Metal property. The groundwater monitoring wells were installed to evaluate groundwater flow direction on site, as well as to determine groundwater quality in relation to documented soil contamination. A groundwater elevation survey was performed on the installed wells, which indicated that the depth to groundwater on the property ranged from between 5.5 and 22.0 feet bgs and that groundwater flow beneath the property was from north to south. A total of 11 groundwater samples (MW-1 through MW-11) were collected by ERM and submitted to Alpha Analytical for VOC, PCB, total RCRA 8 metals, and TPH analyses. Background samples were not collected as part of the September 1998 ERM sampling event. Analytical results of the groundwater samples indicated the presence of the following VOC and four total RCRA 8 metals at concentrations above laboratory detection limits (maximum concentrations in parentheses): PCE [0.27 milligrams per liter (mg/L)]; arsenic (0.167 mg/L); barium (1.5 mg/L); chromium (0.56 mg/L); and lead (0.11 mg/L). The state of ME does not have established groundwater standards; therefore, for the purposes of this evaluation, START compared groundwater results to current (14 December 2010) ME DEP MEGs and current (May 2009) EPA MCLs for drinking water [26-27; 67]. The one VOC (PCE) and four total RCRA 8 metals (arsenic, barium, chromium, and lead) were detected at concentrations above their ME DEP MEGs and/or EPA MCLs for drinking water. PCE was detected in source samples collected from the Leeds Metal

property during previous sampling events, including the 2010 EPA Site Assessment Site Inspection. As a result, START considers the presence of PCE in groundwater samples to be at least partially attributable to source areas located on the Leeds Metal property. START does not consider the RCRA 8 metals detected in groundwater samples collected in 1998 by ERM to be attributable to source areas on the Leeds Metal property, as background levels for these (naturally occurring) metals were not established as part of this sampling event.

On 1 through 3 November 1999, on behalf of MCRC, ERM installed nine overburden groundwater monitoring wells on the Leeds Metal property. Eight of the groundwater monitoring wells were installed as part of shallow and deep couplets (shallow wells ERM-1S through ERM-4S, and deep wells ERM-1D through ERM-4D), while the ninth groundwater monitoring well was installed as a shallow well (ERM-5S). On 18 November 1999, ERM conducted a groundwater elevation survey of the newly installed wells, and noted that shallow groundwater flow was predominately from the southeast to the northwest. In addition, on 18 and 19 November 1999, ERM collected 10 groundwater samples, including one field duplicate, from the nine wells installed on the property. Background samples were not collected as part of the November 1999 ERM sampling event. The groundwater samples were submitted to Alpha Analytical for VOC, dissolved RCRA 8 metals, and total RCRA 8 metals analyses; and to the Binax+nel laboratory for DRO analysis. Analytical results of the groundwater samples indicated the presence of the following two VOCs, one dissolved RCRA 8 metal, and one total RCRA 8 metal (maximum concentrations and sample location in parentheses): 1,1,1-trichloroethane (1,1,1-TCA) [2.6 micrograms per liter (µg/L) in ERM-4D]; PCE (140 µg/L in ERM-4S); dissolved barium (0.01 µg/L in ERM-1S); and total barium (0.01 mg/L in ERM-1S, ERM-2S, and ERM-3D). One VOC (PCE) was detected at a concentration exceeding its ME DEP MEG and EPA MCL for drinking water [26-27; 68]. PCE was also detected in source samples collected from the Leeds Metal property; therefore, START considers the presence of PCE in groundwater samples to be at least partially attributable to source areas located on the Leeds Metal property. START does not consider the RCRA 8 metals detected in groundwater samples to be attributable to source areas on the Leeds Metal property, as background levels for these (naturally occurring) metals were not established as part of this sampling event.

Based on a January 2000 review of the ERM data from previous investigations, ME DEP personnel noted that groundwater flow appears to be directed west, toward Lots 43 and 44 [6; 161]. ME DEP also pointed out that the ERM November 1999 report did not discuss the groundwater flow in the deeper overburden or the vertical gradient measured between the shallow and the deep wells [161]. ME DEP noted that all the wells have downward vertical gradients [161]. In addition, ME DEP noted that the flow direction in the deeper aquifer appears to be much different from the shallow groundwater flow direction [161]. The water levels measured in groundwater monitoring wells ERM-3D and ERM-4D have the same elevation of 90.00 (90.01 is within the accuracy of the measurement) [161]. ME DEP suggested that the groundwater flow in the deep overburden has a more westerly component than the shallow groundwater flow direction [161]. By reviewing the hydrogeology setting, ME DEP concluded that the stratigraphy would influence groundwater flow and contaminant distribution [161]. ME DEP stated that it was not clear if the stratigraphy would dominate both groundwater flow and contaminant distribution, but that it is likely to play a major role in one or both [161]. A ME DEP Certified Environmental Hydrologist/representative stated that it was not clear if the stratigraphy will dominate both ground water flow and contaminant distribution, but it is likely to play a major role in one or both [161]. ME DEP personnel have concluded that further off-site investigation and site characterization was needed [161].

Due to on-site groundwater sampling results of the 1998 and 1999 ERM investigations, ME DEP initiated an inventory of local drinking water supply wells downgradient of the property in anticipation of collecting drinking water samples [58]. From February 2000 to June 2009, nine drinking water sampling events were conducted by ME DEP on properties located south and southwest of the Leeds Metal property. The drinking water samples were collected from residential drinking water supply wells located on the following 15 properties (Town of Leeds Map No. and Lot No. provided as follows): Map No. 4, Lot No. 39; Map No. 4, Lot No. 43; Map No. 4, Lot No. 44; Map No. 1, Lot No. 58-8; Map No. 1, Lot No. 58-7; Map No. 1, Lot No. 58-6; Map No. 1, Lot No. 58-5; Map No. 1, Lot No. 58-3; Map No. 1, Lot No. 58-1; Map No. 1, Lot No. 66; Map No. 1, Lot No. 63-2; Map No. 1, Lot No. 57-1; Map No. 1, Lot No. 57-3; Map No. 1, Lot No. 57-5; and Map No. 1, Lot No. 57-7 [6-7; 60; 63-64; 66; 70-73; 77-78]. Background drinking water samples were not collected as part of the nine drinking water sampling events conducted by ME DEP. Drinking water samples which were collected between 28 February 2000 and 8 December 2005 were submitted to the State of Maine Health and Environmental Testing Laboratory for VOC analysis [60; 63-64; 66; 70-73]. Drinking water samples collected during the June 2009 sampling event were submitted to the EPA OEME Mobile Laboratory for VOC screening analysis; and to the EPA OEME Laboratory for VOC, total metals, cyanide, and sulfate analyses [77-78].

Drinking water samples were collected from Map No. 4, Lot No. 39, located directly south of the Leeds Metal property, during eight of the nine drinking water sampling events conducted by ME DEP between February 2000 and June 2009 [60; 63; 66; 70-73; 77-78]. Analytical results of drinking water samples collected from Map No. 4, Lot No. 39 indicated the presence of the following four VOCs, five metals, and sulfate at concentrations above laboratory RLs (maximum concentrations and sampling date in parentheses): acetone (0.77 µg/L on 18 June 2009); cis-1,2-DCE (0.12 J µg/L on 28 February 2000 and 29 August 2000); PCE (0.19 J µg/L on 29 August 2000); TCE (0.4 K µg/L on 26 January 2005); arsenic (10 µg/L on 18 June 2009); barium (1.9 µg/L on 18 June 2009); copper (1.9 µg/L on 18 June 2009); iron (70 µg/L on 18 June 2009); nickel (0.48 µg/L on 18 June 2009); and sulfate (15 µg/L on 18 June 2009) [60; 63; 72; 77-78]. Analytical results indicated the presence of arsenic at a concentration equal to its ME DEP MEG and EPA MCL for drinking water [26-27]. PCE and TCE were detected in source samples collected from the Leeds Metal property during the 2010 EPA Site Assessment Site Inspection [89-98]. As a result, START considers the presence of PCE and TCE in drinking water samples to be at least partially attributable to source areas located on the Leeds Metal property. Cis-1,2-DCE was not detected in source samples collected from the Leeds Metal property; however, it is a breakdown product of PCE and TCE degradation [146-148]. Therefore, START considers cis-1,2-DCE to be at least partially attributable to source areas on the Leeds Metal property. Acetone was detected in source samples collected from the Leeds Metal property. However, acetone is a common laboratory contaminant, and there is no historical information indicating it was ever utilized or stored on site. Therefore, START does not consider acetone in drinking water samples to be attributable to on-site sources. In addition, START does not consider the metals and sulfate detected in drinking water samples to be attributable to source areas on the Leeds Metal property, as they are naturally occurring and no representative background sample was collected.

Drinking water samples were collected from Map No. 1, Lot No. 58-8, located south of the Leeds Metal property, during eight of the nine drinking water sampling events conducted by ME DEP between February 2000 and June 2009 [60; 63-64; 70-73; 78]. Analytical results of drinking water samples collected from Map No. 1, Lot No. 58-8 indicated the presence of the following five VOCs, five metals, and sulfate at concentrations above laboratory RLs (maximum

concentrations and sampling date in parentheses): acetone (1.0 µg/L on 18 June 2009); cis-1,2-DCE (0.14 J µg/L on 28 February 2000 and 29 August 2000); dichlorodifluoromethane (14.3 µg/L on 16 May 2001); PCE (0.27 J µg/L on 29 August 2000); TCE (0.48 µg/L on 8 December 2005); arsenic (9.8 µg/L on 18 June 2009); barium (2.4 µg/L on 18 June 2009); iron (320 µg/L on 18 June 2009); manganese (8.3 µg/L on 18 June 2009); nickel (0.68 µg/L on 18 June 2009); and sulfate (16 µg/L on 18 June 2009) [60; 63; 70; 73; 77-78]. Analytical results did not indicate the presence of any compounds or elements at a concentration greater than the ME DEP MEGs and/or EPA MCLs for drinking water [26-27]. PCE and TCE were detected in source samples collected from the Leeds Metal property during the 2010 EPA Site Assessment Site Inspection [89-98]. As a result, START considers the presence of PCE and TCE in drinking water samples to be at least partially attributable to source areas located on the Leeds Metal property. Cis-1,2-DCE was not detected in source samples collected from the Leeds Metal property; however, it is a breakdown product of PCE and TCE degradation [146-148]. Therefore, START considers cis-1,2-DCE to be at least partially attributable to source areas on the Leeds Metal property. Acetone was detected in source samples collected from the Leeds Metal property. However, acetone is a common laboratory contaminant, and there is no historical information indicating it was ever utilized or stored on site. Therefore, START does not consider acetone in drinking water samples to be attributable to on-site sources. In addition, START does not consider the metals and sulfate detected in drinking water samples to be attributable to source areas on the Leeds Metal property, as they are naturally occurring and no representative background sample was collected.

Drinking water samples were collected from Map No. 1, Lot No. 58-7, located south of the Leeds Metal property, during eight of the nine drinking water sampling events conducted by ME DEP between February 2000 and June 2009 [60; 63; 66; 70-73; 77-78]. Analytical results of drinking water samples collected from Map No. 1, Lot No. 58-7 indicated the presence of the following four VOCs, three metals, and sulfate at concentrations above laboratory RLs (maximum concentrations and sampling date in parentheses): acetone (1.0 µg/L on 18 June 2009); cis-1,2-DCE (0.22 J µg/L on 29 August 2000); PCE (0.5 µg/L on 29 August 2000); TCE (0.66 µg/L on 8 December 2005 and 18 June 2009); arsenic (11 µg/L on 18 June 2009); barium (3.2 µg/L on 18 June 2009); manganese (0.54 µg/L on 18 June 2009); and sulfate (15 µg/L on 18 June 2009) [63; 73; 77-78]. Analytical results indicated the presence of arsenic at a concentration greater than its ME DEP MEG and EPA MCL for drinking water [26-27]. PCE and TCE were detected in source samples collected from the Leeds Metal property during the 2010 EPA Site Assessment Site Inspection [89-98]. As a result, START considers the presence of PCE and TCE in drinking water samples to be at least partially attributable to source areas located on the Leeds Metal property. Cis-1,2-DCE was not detected in source samples collected from the Leeds Metal property; however, it is a breakdown product of PCE and TCE degradation [146-148]. Therefore, START considers cis-1,2-DCE to be at least partially attributable to source areas on the Leeds Metal property. Acetone was detected in source samples collected from the Leeds Metal property. However, acetone is a common laboratory contaminant, and there is no historical information indicating it was ever utilized or stored on site. Therefore, START does not consider acetone in drinking water samples to be attributable to on-site sources. In addition, START does not consider the metals and sulfate detected in drinking water samples to be attributable to source areas on the Leeds Metal property, as they are naturally occurring and no representative background sample was collected.

Drinking water samples were collected from Map No. 1, Lot No. 58-6, located south of the Leeds Metal property, during seven of the nine drinking water sampling events conducted by ME DEP between February 2000 and June 2009 [60; 63; 66; 70-73]. Analytical results of drinking

water samples collected from Map No. 1, Lot No. 58-6 indicated the presence of the following four VOCs at concentrations above laboratory RLs (maximum concentrations and sampling date in parentheses): cis-1,2-DCE (1.8 µg/L on 8 December 2005); dichloromethane (1.1 µg/L on 28 February 2000 and 4 December 2000); PCE (0.59 µg/L on 8 December 2005); and TCE (1.2 µg/L on 8 December 2005) [60; 66; 73]. Analytical results did not indicate the presence of any compounds or elements at concentrations greater than the ME DEP MEGs or EPA MCLs for drinking water [26-27]. Of the VOCs detected in drinking water samples, two VOCs (PCE and TCE) were also detected in source samples collected from the Leeds Metal property during the 2010 EPA Site Inspection [89-98]. As a result, START considers the presence of PCE and TCE in drinking water samples to be at least partially attributable to source areas located on the Leeds Metal property. Cis-1,2-DCE is a breakdown product of PCE and TCE degradation; therefore, START also considers the presence of cis-1,2-DCE in drinking water samples to be attributable to sources on the Leeds Metal property [146-150]. Acetone was detected in source samples collected from the Leeds Metal property. However, acetone is a common laboratory contaminant, and there is no historical information indicating it was ever utilized or stored on site. Therefore, START does not consider acetone in drinking water samples to be attributable to on-site sources. Dichloromethane was not detected in source samples collected from the Leeds Metal property; therefore, START does not consider this compound attributable to source areas on the property.

Drinking water samples were collected from Map No. 1, Lot No. 63-2, located south of the Leeds Metal property, during seven of the nine drinking water sampling events conducted by ME DEP between February 2000 and June 2009 [63; 66; 70-73; 77-78]. Analytical results of drinking water samples collected from Map No. 1, Lot No. 63-2 indicated the presence of the following seven VOCs, six metals, and sulfate at concentrations above laboratory RLs (maximum concentrations and sampling date in parentheses): acetone (1.0 µg/L on 18 June 2009); cis-1,2-DCE (0.86 µg/L on 18 June 2009); dichloromethane (0.17 J µg/L 29 August 2000); toluene (0.22 J µg/L on 29 August 2000); methyl tert-butyl ether (MTBE) (0.7 J µg/L on 29 August 2000); PCE (0.9 µg/L on 8 December 2005); TCE (1.5 µg/L on 18 June 2009); arsenic (12 µg/L on 18 June 2005); barium (4.1 µg/L on 18 June 2005); copper (1.5 µg/L on 18 June 2005); iron (65 µg/L on 18 June 2005); manganese (11 µg/L on 18 June 2005); nickel (0.86 µg/L on 18 June 2005); and sulfate (16 µg/L on 18 June 2005) [63; 73; 77-78]. Analytical results indicated the presence of PCE and arsenic at concentrations greater than their respective ME DEP MEGs and/or EPA MCLs for drinking water [26-27]. Of the VOCs detected in drinking water samples, three VOCs (MTBE, PCE, and TCE) were also detected in source samples collected from the Leeds Metal property during the 2010 EPA Site Assessment Site Inspection [89-98]. As a result, START considers the presence of MBTE, PCE, and TCE in drinking water samples to be at least partially attributable to source areas located on the Leeds Metal property. Cis-1,2-DCE was not detected in source samples collected from the Leeds Metal property; however, it is a breakdown product of PCE and TCE degradation [146-148]. Therefore, START considers cis-1,2-DCE to be at least partially attributable to source areas on the Leeds Metal property. Acetone and toluene were detected in source samples collected from the Leeds Metal property. However, these two compounds are common laboratory contaminants, and there is no historical information indicating that these compounds were ever utilized or stored on site. Therefore, START does not consider the presence of acetone and toluene in drinking water samples to be attributable to on-site sources. In addition, START does not consider the metals and sulfate detected in drinking water samples to be attributable to source areas on the Leeds Metal property, as they are naturally occurring, and no representative background sample was collected.

Drinking water samples were collected from Map No. 1, Lot No. 57-1, located south-southeast of the Leeds Metal property, during one of the nine drinking water sampling events conducted by ME DEP between February 2000 and June 2009 [71]. Analytical results of drinking water samples collected on 7 May 2003 from Map No. 1, Lot No. 57-1 indicated the presence of the following two VOCs at concentrations above laboratory RLs (maximum concentrations in parentheses): cis-1,2-DCE (1.0 µg/L) and TCE (0.6 µg/L) [71]. Analytical results did not indicate the presence of the two compounds at concentrations exceeding the ME DEP MEGs or EPA MCLs for drinking water [26-27]. Of the VOCs detected in drinking water, one VOC (TCE) was also detected in source samples collected from the Leeds Metal property during the 2010 EPA Site Assessment Site Inspection [89-98]. As a result, START considers the presence of TCE in drinking water samples to be at least partially attributable to source areas located on the Leeds Metal property. Cis-1,2-DCE was not detected in source samples collected from the Leeds Metal property; however, it is a breakdown product of PCE and TCE degradation [146-148]. Therefore, START considers cis-1,2-DCE to be at least partially attributable to source areas on the Leeds Metal property.

Drinking water samples were collected from Map No. 1, Lot No. 66, located southwest of the Leeds Metal property, during two of the nine drinking water sampling events conducted by ME DEP between February 2000 and June 2009 [60; 77-8]. Analytical results of drinking water samples collected on 18 June 2009 from Map No. 1, Lot No. 66 indicated the presence of the following two VOCs, five metals, and sulfate at concentrations above laboratory RLs (maximum concentrations in parentheses): acetone (1.1 µg/L); TCE (0.08 µg/L); barium (32 µg/L); copper (180 µg/L); iron (110 µg/L); lead (0.92 µg/L); nickel (1.6 µg/L); and sulfate (2.9 µg/L) [77-78]. Analytical results did not indicate the presence of any compounds or elements at concentrations exceeding ME DEP MEGs or EPA MCLs for drinking water [26-27]. TCE was detected in source samples collected from the Leeds Metal property during the 2010 EPA Site Assessment Site Inspection [89-98]. As a result, START considers the presence of TCE in drinking water samples to be at least partially attributable to source areas located on the Leeds Metal property. Acetone was detected in source samples collected from the Leeds Metal property. However, acetone is a common laboratory contaminant, and there is no historical information indicating it was ever utilized or stored on site. Therefore, START does not consider the presence of acetone in drinking water samples to be attributable to on-site sources. In addition, START does not consider the metals and sulfate detected in drinking water samples to be attributable to source areas on the Leeds Metal property, as they are naturally occurring and no representative background sample was collected.

Drinking water samples were collected from Map No. 1, Lot No. 57-3, located south-southeast of the Leeds Metal property, during one of the nine drinking water sampling events conducted by ME DEP between February 2000 and June 2009 [77-78]. Analytical results of drinking water samples collected on 18 June 2009 from Map No. 1, Lot No. 57-3 indicated the presence of the following one VOC, six metals, and sulfate at concentrations above laboratory RLs (maximum concentrations in parentheses): acetone (1.0 µg/L); arsenic (9.6 µg/L); barium (2.6 µg/L); iron (96 µg/L); lead (0.60 µg/L); manganese (5.5 µg/L); nickel (0.74 µg/L); and sulfate (18 µg/L) [77-78]. Analytical results did not indicate the presence of any compounds or elements at concentrations greater than their ME DEP MEGs or EPA MCLs for drinking water [26-27]. Acetone was detected in source samples collected from the Leeds Metal property. However, acetone is a common laboratory contaminant, and there is no historical information indicating it was ever utilized or stored on site. Therefore, START does not consider acetone in drinking water samples to be attributable to on-site sources. In addition, START does not consider the metals and sulfate detected in drinking water samples to be attributable to source areas on the

Leeds Metal property, as they are naturally occurring and no representative background sample was collected.

Drinking water samples were collected from Map No. 1, Lot No. 57-7, located south-southeast of the Leeds Metal property, during one of the nine drinking water sampling events conducted by ME DEP between February 2000 and June 2009 [77-78]. Analytical results of drinking water samples collected on 18 June 2009 from Map No. 1, Lot No. 57-7 indicated the presence of the following one VOC, six metals, and sulfate at concentrations above laboratory RLs (maximum concentrations in parentheses): acetone (1.0 µg/L); arsenic (8.5 µg/L); barium (3.7 µg/L); iron (180 µg/L); manganese (4.7 µg/L); nickel (0.84 µg/L); uranium (1.2 µg/L); and sulfate (18 µg/L) [77-78]. Analytical results did not indicate the presence of any compounds or elements at concentrations greater than ME DEP MEGs or EPA MCLs for drinking water [26-27]. Acetone was detected in source samples collected from the Leeds Metal property. However, acetone is a common laboratory contaminant, and there is no historical information indicating it was ever utilized or stored on site. Therefore, START does not consider acetone in drinking water samples to be attributable to on-site sources. In addition, START does not consider the metals and sulfate detected in drinking water samples to be attributable to source areas on the Leeds Metal property, as they are naturally occurring and no representative background sample was collected.

Drinking water samples were collected from Map No. 1, Lot No. 57-5, located south-southeast of the Leeds Metal property, during one of the nine drinking water sampling events conducted by ME DEP between February 2000 and June 2009 [77-78]. Analytical results of drinking water samples collected on 18 June 2009 from Map No. 1, Lot No. 57-5 indicated the presence of the following two VOCs, six metals, and sulfate at concentration above laboratory RLs (maximum concentrations in parentheses): acetone (0.82 µg/L); toluene (6.7 µg/L); arsenic (13 µg/L); barium (1.8 µg/L); copper (12 µg/L); iron (450 µg/L); lead (1.3 µg/L); manganese (21 µg/L); and sulfate (19 µg/L) [77-78]. Analytical results indicated the presence of arsenic at a concentration greater than its ME DEP MEG and EPA MCL for drinking water [26-27]. Acetone and toluene were detected in source samples collected from the Leeds Metal property. However, these compounds are common laboratory contaminants, and there is no historical information indicating that these compounds were ever utilized or stored on site. Therefore, START does not consider the presence of acetone and toluene in drinking water samples to be attributable to on-site sources. In addition, START does not consider the metals and sulfate detected in drinking water samples to be attributable to source areas on the Leeds Metal property, as they are naturally occurring and no representative background sample was collected.

Analytical results of drinking water samples collected from the five other properties investigated by ME DEP between 28 February 2000 and 8 December 2005 (Map No. 4, Lot No. 43; Map No. 4, Lot No. 44; Map No. 1, Lot No. 58-5; Map No. 1, Lot No. 58-3; and Map No. 1, Lot No. 58-1) did not indicate the presence of VOCs at concentrations greater than laboratory RLs [60; 63].

Between 27 and 29 November 2000, ERM, on behalf of MCRC, installed temporary well points (SB-1 through SB-12) at locations throughout the property. ERM collected groundwater samples from the well points to further delineate the extent of VOC contamination in the groundwater. Samples collected from the temporary well points were screened on site for six chlorinated VOCs [1,1-dichloroethene (1,1-DCE), cis-1,2-DCE, trans-DCE, PCE, TCE, and vinyl chloride). Background samples were not collected as part of the ERM groundwater investigation. Analytical results indicated the presence of one VOC (PCE) in four of the temporary well points, at a maximum concentration of 4.3 µg/L, which is above its ME DEP

MEG but below its EPA MCL for drinking water [26-27; 69]. PCE was detected in source samples collected from the Leeds Metal property as part of the 2010 EPA Site Assessment Site Inspection [89-98]. As a result, START considers the presence of PCE in groundwater samples to be at least partially attributable to source areas located on the Leeds Metal property.

On 29 November 2000, ME DEP personnel, as part of the ERM investigation, collected five groundwater samples from overburden groundwater monitoring wells installed by ERM in November 1999. The groundwater samples were collected from three of the shallow wells (ERM-2S through ERM-4S) and two of the deep wells (ERM-3D and ERM-4D), and submitted to the State of Maine Health and Environmental Testing Laboratory for VOC analysis. Analytical results indicated the presence of two VOCs: PCE, at a maximum concentration of 120 µg/L, and 1,1,1-TCA, at a maximum concentration of 2.8 µg/L. Of the VOCs detected in groundwater samples, PCE was detected at a concentration above its ME DEP MEG and EPA MCL for drinking water [26-27; 69]. PCE was detected in source samples collected from the Leeds Metal property as part of the 2010 EPA Site Assessment Site Inspection [89-98]. As a result, START considers the presence of PCE in groundwater samples to be at least partially attributable to source areas located on the Leeds Metal property. The compound 1,1,1-TCA was not detected in source samples collected from the Leeds Metal property; therefore, START does not consider its presence in groundwater samples to be attributable to source areas on the property.

On 17 June 2004, Roux completed a targeted environmental investigation of the northwestern portion of the Leeds Metal property. The purpose of the investigation was to determine if hazardous substances were present in the northwestern portion of the property due to filling activities allegedly conducted by an adjacent business, Rinker Industries. As part of the investigation, Roux completed three soil borings (RX-1S through RX-3S) to 15 feet bgs along the edge of the concrete waste pile in the northwestern portion of the property. The three soil borings were completed as groundwater monitoring wells, and one groundwater sample was collected from each well and submitted to Resource Laboratories for VOC, SVOC, DRO, GRO, PCB, and dissolved metals analyses. Analytical results of the groundwater samples collected by Roux indicated the presence of DRO at a concentration of 200 µg/L. No ME DEP MEGs or EPA MCLs are currently available for DRO [26-27; 74].

On 1 June 2009, as part of an EPA Removal Program Preliminary Assessment/Site Investigation, ME DEP personnel collected 10 groundwater samples (ERM-1S through ERM-6S and ERM-1D through ERM-4D), including one field duplicate sample, from the nine on-site groundwater monitoring wells installed as part of the ERM investigation in November 1999. No background groundwater samples were collected as part of the EPA Removal Program Preliminary Assessment/Site Investigation. The groundwater samples were submitted to the EPA OEME laboratory located in North Chelmsford, MA for VOC, total metals, and cyanide analyses. Analytical results of the groundwater samples collected by ME DEP indicated the presence of one VOC (PCE) at a concentration of 15 µg/L in groundwater monitoring well ERM-4S and field duplicate sample ERM-6S. In addition, the following four total metals were detected at concentrations above laboratory RLs (maximum concentrations and sample location in parentheses): calcium (27,000 µg/L in ERM-2D); iron (110 µg/L in ERM-4D); magnesium (8,200 µg/L in ERM-2D); and manganese (800 µg/L in ERM-4D). The one VOC (PCE) and one total metal (manganese) were detected at concentrations exceeding their ME DEP MEGs and/or EPA MCLs for drinking water [26-27; 76; 78]. PCE was also detected in source samples collected from the Leeds Metal property as part of the 2010 EPA Site Assessment Site Inspection [89-98]. Therefore, START considers the presence of PCE in groundwater samples to be at least

partially attributable to source areas located on the Leeds Metal property. START does not consider manganese detected in groundwater samples attributable to source areas on the Leeds Metal property, as it is naturally occurring, and no background sample was collected to establish reference manganese levels.

From 15 through 18 June 2009, subsurface soil sampling was conducted at the Leeds Metal property as part of the EPA Removal Program Preliminary Assessment/Site Investigation. As part of this event, eight temporary well points were installed in soil borings advanced on the property. A total of 21 groundwater samples were collected from each temporary well point at various depths, as well as from one groundwater monitoring well couplet, and submitted to the US EPA OEME Mobile Laboratory for VOC screening analysis. Analytical screening results of the groundwater samples indicated the presence of PCE above screening detection limits in all the samples, at a maximum concentration of 86 µg/L; and the presence of 1,1,1-TCA in one sample, at a concentration of 1.0 µg/L. PCE was detected above the ME DEP MEG and/or EPA MCL in eight of the 21 groundwater samples [26-27; 76; 78]. PCE was detected in source samples collected from the Leeds Metal property as part of the 2010 EPA Site Assessment Site Inspection [89-98]. As a result, START considers the presence of PCE in groundwater samples to be at least partially attributable to source areas located on the Leeds Metal property. The compound 1,1,1-TCA was not detected in source samples collected from the Leeds Metal property; therefore, START does not consider its presence in groundwater samples to be attributable to source areas on the property.

On 10, 11, and 16 November 2010, as part of the EPA Site Assessment Site Inspection, START personnel collected 12 groundwater samples (GW-01 through GW-12), including one duplicate sample, from 11 previously installed overburden groundwater monitoring wells located on the Leeds Metal property. The groundwater samples were collected to determine if the sand and gravel aquifer below the Leeds Metal property had been impacted by contaminants associated with on-site source areas. Groundwater sample GW-12 was collected from groundwater monitoring well RX-2S, located on the northwestern portion of the Leeds Metal property, to document reference groundwater conditions for comparison purposes [115, pp. 8-26, 39-46]. Groundwater samples GW-01 through GW-12 were submitted to CLP Laboratories for VOC, dissolved metals, and total metals analyses [115, pp. 8-26, 39-46; 100-101; 104-105; 107-108]. The dissolved metals sample fraction was collected in a pre-labeled 1-Liter poly bottle and filtered at the command post on the same day of collection, prior to sample preservation. A single-use, disposable 45-micron filter and peristaltic pump with single-use, disposable tubing were utilized to perform the filtration for each sample [1]. Refer to Figure 4 for the location of groundwater samples collected by START.

Table 9 summarizes the groundwater samples collected by START on 10, 11, and 16 November 2010.

Table 9

Groundwater Sample Summary: Leeds Metal
Samples Collected by START on 10, 11, and 16 November 2010

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Groundwater					
GW-01	A3T57 MA3T57 MA3TN7	11/10/10 1225	Grab	9.3*	Groundwater sample collected from monitoring well ERM-5S, in the central portion of the Leeds Metal property, to determine the presence of any hazardous substances in groundwater. The water quality parameters at the time of sample collection are as follows: Purge rate (mL/min) = 200; Volume purged (L) = 21; Temperature (°C) = 11.67; Sp. Conductivity (µS/cm) = 66; pH = 6.59; ORP (mv) = 101.9; DO (mg/L) = 17.25; Turbidity (NTU) = 1.76; PID= 0; Comments = None 44° 14′ 16.78″ North Latitude 70° 04′ 49.39″ West Longitude
GW-02	A3T58 MA3T58 MA3TN8	11/10/10 1315	Grab	17.71*	Groundwater sample collected from monitoring well ERM-2S, in the southeast portion of the Leeds Metal property, to determine the presence of any hazardous substances in groundwater. The water quality parameters at the time of sample collection are as follows: Purge rate (mL/min) = 200; Volume purged (L) = 11; Temperature (°C) = 9.34; Sp. Conductivity (µS/cm) = 78; pH = 6.44; ORP (mv) = 234.3; DO (mg/L) = 5.92; Turbidity (NTU) = 0.23; PID = 0; Comments = None 44° 14′ 10.86″ North Latitude 70° 04′ 45.83″ West Longitude
GW-03	A3T59 MA3T59 MA3TN9	11/11/10 1427	Grab	19.07*	Groundwater sample collected from monitoring well ERM-2D, in the southeast portion of the Leeds Metal property, to determine the presence of any hazardous substances in groundwater. The water quality parameters at the time of sample collection are as follows: Purge rate (mL/min) = 300; Volume purged (L) = 15; Temperature (°C) = 8.32; Sp. Conductivity (µS/cm) = 198; pH = 8.06; ORP (mv) = 70.1; DO (mg/L) = 0.89; Turbidity (NTU) = 10.72; PID = 0; Comments = None 44° 14′ 10.87″ North Latitude 70° 04′ 45.83″ West Longitude

Table 9

Groundwater Sample Summary: Leeds Metal
Samples Collected by START on 10, 11, and 16 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Groundwater (Continued)					
GW-04	A3T60 MA3T60 MA3TP0	11/11/10 1155	Grab	17.05*	Groundwater sample collected from monitoring well ERM-1S, in the southern portion of the Leeds Metal property, to determine the presence of any hazardous substances in the groundwater. The water quality parameters at the time of sample collection are as follows: Purge rate (mL/min) = 280; Volume purged (L) = 13.7; Temperature (°C) = 9.59; Sp. Conductivity (µS/cm) = 96; pH = 6.96; ORP (mv) = 62.0; DO (mg/L) = 70.6; Turbidity (NTU) = 0.8; PID = 0; Comments = None 44° 14′ 08.95″ North Latitude 70° 04′ 49.01″ West Longitude
GW-05	A3T61 MA3T61 MA3TP1	11/11/10 1500	Grab	17.25*	Groundwater sample collected from monitoring well ERM-1D, in the southern portion of the Leeds Metal property, to determine the presence of any hazardous substances in groundwater. The water quality parameters at the time of sample collection are as follows: Purge rate (mL/min) = 190; Volume purged (L) = 8.0; Temperature (°C) = 8.38; Sp. Conductivity (µS/cm) = 70; pH = 6.46; ORP (mv) = 60.6; DO (mg/L) = 18.22; Turbidity (NTU) = 28.4; PID = 0; Comments = None 44° 14′ 08.97″ North Latitude 70° 04′ 49.00″ West Longitude
GW-06 (MS/MSD)	A3T62 MA3T62 MA3TP2	11/10/10 1220	Grab	7.01*	Groundwater sample collected from monitoring well ERM-4S, in the southern portion of the Leeds Metal property, to determine the presence of any hazardous substances in groundwater. The water quality parameters at the time of sample collection are as follows: Purge rate (mL/min) = 200; Volume purged (L) = 10; Temperature (°C) = 11.72; Sp. Conductivity (µS/cm) = 147; pH = 6.86; ORP (mv) = 20.8; DO (mg/L) = 2.14; Turbidity (NTU) = 0.14; PID= 0; Comments = None 44° 14′ 10.53″ North Latitude 70° 04′ 52.04″ West Longitude

Table 9

Groundwater Sample Summary: Leeds Metal
Samples Collected by START on 10, 11, and 16 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Groundwater (Continued)					
GW-07	A3T63 MA3T63 MA3TP3	11/11/10 1212	Grab	6.50*	Groundwater sample collected from monitoring well ERM-4D, in the southern portion of the Leeds Metal property, to determine the presence of any hazardous substances in groundwater. The water quality parameters at the time of sample collection are as follows: Purge rate (mL/min) = 500; Volume purged (L) = 30; Temperature (°C) = 10.35; Sp. Conductivity (µS/cm) = 174; pH = 6.86; ORP (mv) = 116.1; DO (mg/L) = 0.42; Turbidity (NTU) = 1.96; PID = 0; Comments = None 44° 14′ 10.52″ North Latitude 70° 04′ 52.01″ West Longitude
GW-08	A3T64 MA3T64 MA3TP4	11/11/10 1155	Grab	13.74*	Groundwater sample collected from monitoring well ERM-3S, in the southern portion of the Leeds Metal property, to determine the presence of any hazardous substances in groundwater. The water quality parameters at the time of sample collection are as follows: Purge rate (mL/min) = 250; Volume purged (L) = 13.25; Temperature (°C) = 8.51; Sp. Conductivity (µS/cm) = 38; pH = 6.11; ORP (mv) = 250.2; DO (mg/L) = 10.90; Turbidity (NTU) = 0.38; PID = 0; Comments = None 44° 14′ 06.65″ North Latitude 70° 04′ 53.61″ West Longitude
GW-09	A3T65 MA3T65 MA3TP5	11/11/10 1635	Grab	16.47*	Groundwater sample collected from monitoring well ERM-3D, in the southern of the Leeds Metal property, to determine the presence of any hazardous substances in groundwater. The water quality parameters at the time of sample collection are as follows: Purge rate (mL/min) = 200; Volume purged (L) = 24.5; Temperature (°C) = 7.52; Sp. Conductivity (µS/cm) = 55; pH = 9.00; ORP (mv) = 46.5; DO (mg/L) = 10.68; Turbidity (NTU) = 173; PID = 0; Comments = None 44° 14′ 06.66″ North Latitude 70° 04′ 53.57″ West Longitude
GW-10	A3T66 MA3T66 MA3TP6	11/11/10 1212	Grab	6.50*	Field duplicate of GW-07, collected for quality control.

Table 9

Groundwater Sample Summary: Leeds Metal
Samples Collected by START on 10, 11, and 16 November 2010 (Concluded)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Groundwater (Concluded)					
GW-11	A3TQ5 MA3TQ5 MA3TQ7	11/16/10 1035	Grab	6.57*	Groundwater sample collected from monitoring well RX-3S, in the eastern portion of the Leeds Metal property, to determine the presence of any hazardous substances in groundwater. The water quality parameters at the time of sample collection are as follows: Purge rate (mL/min) = 260; Volume purged (L) = 9.1; Temperature (°C) = 8.13; Sp. Conductivity (µS/cm) = 237; pH = 9.62; ORP (mv) = 151.1; DO (mg/L) = 8.29; Turbidity (NTU) = 16.9; PID= 0; Comments = None 44° 14′ 20.19″ North Latitude 70° 04′ 53.70″ West Longitude
GW-12	A3TQ6 MA3TQ6 MA3TQ8	11/16/10 1125	Grab	4.88*	Groundwater sample collected from monitoring well RX-2S, in the eastern portion of the Leeds Metal property, to determine the presence of any hazardous substances in groundwater. The water quality parameters at the time of sample collection are as follows: Purge rate (mL/min) = 300; Volume purged (L) = 16.3; Temperature (°C) = 12.11; Sp. Conductivity (µS/cm) = 190; pH = 6.44; ORP (mv) = -66.9; DO (mg/L) = 0.11; Turbidity (NTU) = 8.63; PID = 0; Comments = None 44° 14′ 18.14″ North Latitude 70° 04′ 55.54″ West Longitude

* Depth measured from the top of the PVC casing.

MS/MSD	=	Matrix Spike/Matrix Spike Duplicate	PID	=	Photoionization Detector
°	=	Degrees	″	=	Seconds
′	=	Minutes	No.	=	Number
bgs	=	Below ground surface	ft	=	Feet
hrs	=	Hours (denotes military time)	Sp.	=	Specific
µS/cm	=	Micro Siemens per centimeter	NTU	=	Nephelometric Turbidity Units
°C	=	Degrees Celsius	mL/min	=	Milliliters per minute
L	=	Liter	mv	=	Millivolts
ORP	=	Oxygen Reduction Potential	NA	=	Not Applicable
DO	=	Dissolved Oxygen	mg/L	=	Milligrams per Liter
PVC	=	Polyvinyl Chloride			

[115]

Complete analytical results of START groundwater samples, including quantitation and reporting limits, are presented in *Attachment D* of this report. Sample results qualified with a "J" on analytical tables are considered approximate because of limitations identified during analytical data validation. Sample results qualified with a "U" on analytical tables indicate that the substances were analyzed for, but not detected, and the associated numerical value is the sample-adjusted CRQL. Sample results qualified with a "UJ" on analytical tables indicate that the substances were analyzed for, but not detected, and the associated numerical value is the estimated sample-adjusted CRQL [100-101; 104-105; 107-108].

Complete analytical results of START equipment rinsate and trip blank samples, collected by START in accordance with the Site-Specific QAPP for the Region I START Contract, are presented in *Attachment B* of this report [100-101; 104-105; 107-108; 115].

Table 10 is a summary of organic compounds and inorganic elements detected through laboratory analyses of START groundwater samples. For each sample location, a substance is listed if it is detected at greater than or equal to three times the reference sample concentration (GW-12). However, if a substance is not detected in the reference sample, the reference sample-adjusted CRQL is used as the reference value. These substances are listed if they occurred at a value equal to or greater than the reference sample's sample-adjusted CRQL and are designated by their approximate relative concentration above these values [100-101; 104-105; 107-108; 115].

Analytical results of groundwater samples collected as part of the EPA Site Assessment Site Inspection are compared to the EPA MCLs and ME DHS MEGs for drinking water, for comparison purposes only. MCLs are EPA's National Primary Drinking Water Standards, which are legally enforceable standards for contaminants known to impact public health in public drinking water systems. EPA MCLs are established to regulate contaminants in public drinking water systems only, but they can also be used as guidelines when evaluating the quality of private drinking water supply wells. Maine MEGs were developed to assist risk managers, homeowners and others in making decisions regarding the suitability for human consumption of drinking water contaminated by various chemicals. MEGs are used as guidelines to assess potential health risks resulting from long-term ingestion of contaminated water [26; 27].

Table 10

Summary of Analytical Results
Groundwater Sample Analysis for Leeds Metal

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
GW-02	**VOCs**					
	Tetrachloroethene	1.2 µg/L	0.5 U µg/L	2.4 × CRQL	5 µg/L	0.6 µg/L
GW-03	**DISSOLVED INORGANICS**					
	Vanadium	1.5 J µg/L	0.14 J µg/L	10.7 × Ref	NL	200 µg/L
	TOTAL INORGANICS					
	Vanadium	2.5 J µg/L	0.82 J µg/L	3.0 × Ref	NL	200 µg/L
GW-05	**TOTAL INORGANICS**					
	Aluminum	1,570 J µg/L	481 U µg/L	3.3 × CRQL	NL	7,000 µg/L
	Lead	1.7 J µg/L	1.0 UJ µg/L	1.7 × CRQL	15 µg/L	10 µg/L
GW-06	**VOCs**					
	Tetrachloroethene	**19 µg/L**	0.5 U µg/L	38.0 × CRQL	5 µg/L	0.6 µg/L
	Trichloroethene*	0.078 J µg/L	NA	NA	5 µg/L	30 µg/L
	DISSOLVED INORGANICS					
	Iron	1,790 J µg/L	560 µg/L	3.2 × Ref	NL	5,000 µg/L
GW-07	**VOCs**					
	Tetrachloroethene	**5.7 µg/L**	0.5 U µg/L	11.4 × CRQL	5 µg/L	0.6 µg/L
	Trichloroethene*	0.068 J µg/L	NA	NA	5 µg/L	30 µg/L
	DISSOLVED INORGANICS					
	Manganese	***638 J µg/L***	NA	NA	NL	500 µg/L
	TOTAL INORGANICS					
	Manganese	***724 µg/L***	NA	NA	NL	500 µg/L

Table 10

Summary of Analytical Results
Groundwater Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
GW-09	**DISSOLVED INORGANICS**					
	Chromium	3.6 J µg/L	2.0 U µg/L	1.8 × CRQL	100 µg/L	20 µg/L
	Vanadium	3.9 J µg/L	0.14 J µg/L	27.9 × Ref	NL	200 µg/L
	TOTAL INORGANICS					
	Aluminum	5,390 J µg/L	481 U µg/L	11.2 × CRQL	NL	7,000 µg/L
	Chromium	12.5 µg/L	1.0 J µg/L	12.5 × Ref	100 µg/L	20 µg/L
	Copper	14.6 µg/L	2.3 J µg/L	6.3 × Ref	1,300 µg/L	500 µg/L
	Iron	**7,070 µg/L**	1,080 µg/L	6.5 × Ref	NL	5,000 µg/L
	Lead	3.9 J µg/L	1.0 UJ µg/L	3.9 × CRQL	15 µg/L	10 µg/L
	Nickel	12.4 µg/L	2.4 J µg/L	5.2 × Ref	NL	20 µg/L
	Vanadium	14.6 µg/L	0.82 J µg/L	17.8 × Ref	NL	200 µg/L
	Zinc	19.3 µg/L	3.7 UJ µg/L	5.2 × CRQL	NL	2,000 µg/L
GW-10	**VOCs**					
	Tetrachloroethene	**5.3 µg/L**	0.5 U µg/L	10.6 × CRQL	5 µg/L	0.6 µg/L
	Trichloroethene*	0.062 J µg/L	NA	NA	5 µg/L	30 µg/L
	DISSOLVED INORGANICS					
	Manganese	***641 J µg/L***	NA	NA	NL	500 µg/L
	TOTAL INORGANICS					
	Manganese	***751 µg/L***	NA	NA	NL	500 µg/L

Table 10

Summary of Analytical Results
Groundwater Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
GW-11	**VOCs**					
	Tetrachloroethene	0.59 µg/L	0.5 U µg/L	1.2 × CRQL	5 µg/L	0.6 µg/L
	DISSOLVED INORGANICS					
	Chromium	17.8 µg/L	2.0 U µg/L	8.9 × CRQL	100 µg/L	20 µg/L
	Potassium	35,100 µg/L	2,930 µg/L	12.0 × Ref	NL	NL
	Sodium	***20,500 J µg/L***	NA	NA	NL	20,000 µg/L
	Vanadium	5.9 J µg/L	0.14 J µg/L	42.1 × Ref	NL	200 µg/L
	TOTAL INORGANICS					
	Aluminum	913 J µg/L	481 U µg/L	1.9 × CRQL	NL	7,000 µg/L
	Chromium	17.8 µg/L	1.0 J µg/L	17.8 × Ref	100 µg/L	20 µg/L
	Potassium	30,700 µg/L	2,990 µg/L	10.3 × Ref	NL	NL
	Sodium	***20,400 J µg/L***	NA	NA	NL	20,000 µg/L
	Vanadium	7.0 J µg/L	0.82 J µg/L	8.5 × Ref	NL	200 µg/L

Table 10

Summary of Analytical Results
Groundwater Sample Analysis for Leeds Metal (Concluded)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
GW-12	**DISSOLVED INORGANICS**					
	Manganese	***1,590 J µg/L***	NA	NA	NL	500 µg/L

Bolded values indicate compounds or elements that were detected at concentrations above their EPA MCL and/or ME MEG.

Bolded and *italicized* values indicate compounds or elements that were detected at concentrations above their EPA MCL and/or ME MEG, but below reference criteria.

* This compound was not detected above reference criteria. However, this compound is not naturally occurring. Furthermore, this compound is a breakdown product of tetrachloroethene (PCE), which was detected in on-site sources. Therefore, this compound is considered attributable to on-site sources.

Note: If a compound or element was not detected in the respective reference sample(s), that compound or element is designated by its relative difference above the sample-adjusted CRQL (denoted CRQL in the table).

VOCs = Volatile Organic Compounds.
NA = Not applicable.
CRQL = Contract Required Quantitation Limit
J = The associated numerical value is an estimated quantity.
U = The compound or element was analyzed for, but not detected. The associated numerical value is the sample-adjusted CRQL.
UJ = The compound or element was analyzed for, but not detected. The associated numerical value is the estimated sample-adjusted CRQL.
EPA MCL = EPA Maximum Contaminant Level (MCL) established under the Safe Drinking Water Act (4 November 2010) for community drinking water systems only. MCLs are used as guidelines for comparison purposes for private drinking water.
ME MEG = Maine (ME) Department of Human Services, Bureau of Health Maximum Exposure Guidelines (MEG) for Drinking Water (Version dated 14 December 2010).
µg/L = Micrograms per Liter [equivalent to parts per billion (ppb)].
Ref = Reference.
NL = Not Listed.

[26; 27; 100-101; 104-105; 107-108; 115]

Four VOCs were detected in groundwater samples collected by START as part of the EPA Site Assessment Site Inspection. Of these, one VOC (PCE) was detected above reference criteria, at a maximum concentration of 19 µg/L in groundwater sample GW-06 [100-101; 104-105; 107-108]. In addition, TCE was detected in three groundwater samples at concentrations above the MDL (0.054 µg/L), but below reference criteria (0.5 U µg/L) [100-101; 104-105; 107-108; 143]. PCE and TCE are not naturally occurring compounds [146-148]. PCE was detected at a concentration greater than its EPA MCL and ME DHS MEG [26-27]. Both PCE and TCE were detected in soil/source samples collected from the Leeds Metal property [89-98]. In addition, TCE is a common breakdown product of PCE [146; 147; 148]. Therefore, START considers the presence of these two VOCs in groundwater to be attributable to source areas on the Leeds Metal property.

Sixteen dissolved metals were detected in groundwater samples collected by START as part of the EPA Site Assessment Site Inspection. Of these, the following four dissolved metals were detected at concentrations exceeding reference criteria (maximum concentrations and sample location in parentheses): chromium (17.8 µg/L in GW-11); iron (1,790 J µg/L in GW-06); potassium (35,100 µg/L in GW-11); and vanadium (5.9 J µg/L in GW-11) [100-101; 104-105; 107-108]. None of the dissolved metals detected in groundwater samples above reference criteria were detected above the EPA MCLs or ME DHS MEGs [26-27]. However, two dissolved metals, manganese and sodium, were detected above the ME DHS MEGs, but below reference criteria. All the dissolved metals detected above reference criteria in START groundwater samples were also detected in source samples collected from the Leeds Metal property [89-98]. As a result, the presence of four dissolved metals (chromium, iron, potassium, and vanadium) in groundwater samples is considered at least partially attributable to source areas located on the Leeds Metal property.

Eighteen total metals were detected in groundwater samples collected by START as part of the EPA Site Assessment Site Inspection. Of these, the following nine total metals were detected in groundwater samples at concentrations exceeding reference criteria (maximum concentrations and sample location in parentheses): aluminum (5,390 J µg/L in GW-09); chromium (17.8 µg/L in GW-11); copper (14.6 µg/L in GW-09); iron (7,070 µg/L in GW-09); lead (3.9 J µg/L in GW-09); nickel (12.4 µg/L in GW-09); potassium (30,700 µg/L in GW-11); vanadium (14.6 µg/L in GW-09); and zinc (19.3 µg/L in GW-09) [100-101; 104-105; 107-108]. One total metal, iron, was detected in groundwater samples at a concentration above reference criteria and above its ME DHS MEG. In addition, two total metals, manganese and sodium, were detected above their ME MEGs, but below reference criteria [27]. All the total metals detected above reference criteria in START groundwater samples were also detected in source samples collected from the Leeds Metal property [89-98]. As a result, the presence of nine total metals (aluminum, chromium, copper, iron, lead, nickel, potassium, vanadium, and zinc) in groundwater samples is considered at least partially attributable to source areas located on the Leeds Metal property.

On 8 through 11 and 16 through 18 November 2010, as part of the EPA Site Assessment Site Inspection, START personnel collected 31 drinking water samples (including two duplicate samples) (DW-01 through DW-06, DW-08 through DW-16, DW-18 through DW-31, DW-33, and DW-34) from 29 residential properties near the Leeds Metal property. Each of the 29 residences was supplied drinking water from a private well located on the property. Each drinking water sample was collected prior to any type of filtration device. The drinking water samples were collected to determine if the private drinking water supply wells had been impacted by contaminants associated with source areas located on the Leeds Metal property. Drinking water samples DW-01 through DW-03 were collected from private drinking water

supply wells located northwest of the Leeds Metal property to document reference drinking water supply well conditions for comparison purposes [1, pp. 21-48; 115, pp. 2-26, 39-48; 116, pp. 2-26]. All drinking water samples collected by START were submitted to CLP Laboratories for VOC, dissolved metals, and total metals analyses [1, pp. 21-48; 115, pp. 2-26, 39-48; 116, pp. 2-26; 99-108]. The dissolved metals sample fraction was collected in a pre-labeled 1-Liter poly bottle and filtered at the command post on the same day of collection, prior to sample preservation. A single-use, disposable 45-micron filter and peristaltic pump with single-use, disposable tubing were utilized to perform the filtration for each sample [1]. Refer to Figure 4 for the location of drinking water samples collected by START.

Table 11 summarizes the drinking water samples collected by START on 8 through 11 and 16 through 18 November 2010.

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water					
DW-01	A3T23 MA3T23 MA3TK3	11/8/10 1345	Grab	NA	Drinking water sample collected from a residence at 23 Plains Road (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 55), for reference comparison purposes. The residence is supplied drinking water from an on-site, 87-ft-deep drilled overburden private supply well. The sample was collected from an in-line spigot utilizing a spigot adaptor, after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through a holding tank and prior to any filtration system. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 11.1; Sp. Cond. (µS) = 73.7; pH (meter) = 6.31; PID = 0; CGI/O_2 = 0/20.9; Turbidity (NTU) = 47.7 44° 14′ 32.89″ North Latitude 70° 05′ 11.28″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-02	A3T24 MA3T24 MA3TK4	11/16/10 1647	Grab	NA	Drinking water sample collected from a residence at 26 Plains Road (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 54), for reference comparison purposes. The residence is supplied drinking water from an on-site 200-ft-deep drilled bedrock private supply well. The sample was collected from the kitchen sink spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 20-gallon holding tank and the home's piping system. No filtration systems exist within the house. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 10.2; Sp. Cond. (µS) = 283.8; pH (meter) = 8.77; PID = 0; CGI/O_2 = 0/20.7; Turbidity (NTU) = 0.93 44° 14′ 31.89″ North Latitude 70° 05′ 11.28″ West Longitude
DW-03	A3T25 MA3T25 MA3TK5	11/16/10 1721	Grab	NA	Drinking water sample collected from a residence at 218 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 48), for reference comparison purposes. The residence is supplied drinking water from an on-site, 55-ft-deep, drilled gravel-pack overburden private supply well. The sample was collected from an outside spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 30-gallon holding tank and the home's piping system. The house filtration system was bypassed. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 11.3; Sp. Cond. (µS) = 56.2; pH (meter) = 7.15; PID = 0; CGI/O_2 = 0/20.7; Turbidity (NTU) = 0.31 44° 14′ 34.05″ North Latitude 70° 05′ 02.74″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-04	A3T26 MA3T26 MA3TK6	11/10/10 1708	Grab	NA	Drinking water sample collected from a residence at 3 Blue Rock Road (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 35), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, approximately 16- to 26-ft-deep, dug overburden private supply well. The sample was collected from the kitchen sink spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 12- to 15-gallon holding tank and the home's piping system, and prior to any filtration systems. According to the homeowner, the wellhead on the property is located outside in a pit approximately 12 feet below grade. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 10.8; Sp. Cond. (µS) = 95.9; pH (meter) = 6.74; PID = 0; CGI/O_2 = 0/28.8; Turbidity (NTU) = 0.75 44° 14′ 27.86″ North Latitude 70° 05′ 00.22″ West Longitude
DW-05	A3T27 MA3T27 MA3TK7	11/8/10 1542	Grab	NA	Drinking water sample collected from a residence at 182 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 46), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, 26-ft-deep drilled private supply well, located within a shed located along the toe-slope of an embankment on the property. The sample was collected from the kitchen sink spigot, after water followed through a holding tank and the home's piping system. No filtration systems exist within the house. Completion of the standard system purging was not accomplished based on the homeowner's request and concern over well production/yield. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 13.2; Sp. Cond. (µS) = NA; pH (meter) = 7.48; PID = 0; CGI/O_2 = 0/20.9; Turbidity (NTU) = NA 44° 14′ 22.71″ North Latitude 70° 05′ 05.99″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-06	A3T28 MA3T28 MA3TK8	11/9/10 1717	Grab	NA	Drinking water sample collected from a residence at 144 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 43), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, approximately 195-ft-deep, drilled private supply well [formation characteristics (*i.e.* overburden/bedrock) are unknown]. The sample was collected from the kitchen sink spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 30-gallon holding tank and the home's piping system. No filtration or water softener systems exist within the house. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 10.1; Sp. Cond. (µS) = 133.4; pH (meter) = 8.29; PID = 0; CGI/O_2 = 0/20.9; Turbidity (NTU) = 0.44 44° 14′ 14.05″ North Latitude 70° 05′ 01.53″ West Longitude
DW-08	A3T30 MA3T30 MA3TL0	11/17/10 1144	Grab	NA	Drinking water sample collected from a residence at 53 Blue Rock Road (Town of Monmouth, ME Tax Assessor's Map No. 20, Lot No. 2-1), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, 120-ft-deep, overburden private supply well located west of the house, within a concrete bunker. The sample was collected from an outside spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through a holding tank and prior to a filtration system within the house. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 9.7; Sp. Cond. (µS) = 63.7; pH (meter) = 6.73; PID = 0; CGI/O_2 = 0/20.9; Turbidity (NTU) = 13.0 44° 14′ 29.69″ North Latitude 70° 05′ 24.99″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-09 (MS/MSD)	A3T31 MA3T31 MA3TL1	11/8/10 1645	Grab	NA	Drinking water sample collected from a residence at 105 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 4, Lot No. 39), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, approximately 222-ft-deep drilled bedrock private supply well. The sample was collected from an inside spigot in the basement, after system purging was completed and water quality parameters stabilized. The sample was collected prior to a holding tank and sediment filter. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 9.1; Sp. Cond. (µS) = 146.6; pH (meter) = 8.70; PID = 0; CGI/O_2 = 0/20.9; Turbidity (NTU) = 0.22 44° 14′ 05.44″ North Latitude 70° 04′ 55.41″ West Longitude
DW-10	A3T32 MA3T32 MA3TL2	11/8/10 1540	Grab	NA	Drinking water sample collected from a residence at 13 Young's Drive (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 67-3) to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site 127-ft-deep drilled gravel-packed overburden private supply well. The sample was collected from an outside spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through a holding tank. The water softener was bypassed by START for the purposes of sample collection. No filtration systems exist within the house. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 11.7; Sp. Cond. (µS) = 209.0; pH (meter) = 7.58; PID = 0; CGI/O_2 = 0/21.1; Turbidity (NTU) = 1.82 44° 14′ 06.81″ North Latitude 70° 05′ 02.21″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-11	A3T33 MA3T33 MA3TL3	11/10/10 1630	Grab	NA	Drinking water sample collected from a residence at 16 Young's Drive (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 67-4), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, 137-ft-deep, drilled overburden private supply well. The sample was collected from a basement spigot utilizing a spigot adapter, after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 20-gallon holding tank. No filtration or treatment systems exist within the house. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 9.5; Sp. Cond. (µS) = 200.9; pH (meter) = 7.94; PID = 0; CGI/O_2 = 0/20.8; Turbidity (NTU) = 0.17 44° 13′ 57.82″ North Latitude 70° 04′ 56.18″ West Longitude
DW-12	A3T34 MA3T34 MA3TL4	11/17/10 1617	Grab	NA	Drinking water sample collected from a residence at 4 Young's Drive (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 67-1), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site 160-ft-deep drilled bedrock private supply well. The sample was collected from a basement spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 20-gallon holding tank. The homeowner reported that the residence had a filter system; however, the system was not used. START personnel noted a sulfur-like odor during the purging of the system. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 8.8; Sp. Cond. (µS) = 243.1; pH (meter) = 8.14; PID = 0; CGI/O_2 = 0/20.9; Turbidity (NTU) = 0.04 44° 14′ 04.21″ North Latitude 70° 04′ 59.46″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-13	A3T35 MA3T35 MA3TL5	11/8/10 1230	Grab	NA	Drinking water sample collected from a residence at 94 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 67-A), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, approximately 187-ft-deep drilled bedrock private supply well. The sample was collected from the kitchen sink spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 30-gallon holding tank and the home's piping system. The sediment filter on the system was no longer in service. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 8.9; Sp. Cond. (µS) = 176.8; pH (meter) = 8.10; PID = 0; CGI/O_2 = 0/20.9; Turbidity (NTU) = 0.16 44° 14′ 00.46″ North Latitude 70° 04′ 58.51″ West Longitude
DW-14	A3T36 MA3T36 MA3TL6	11/8/10 1435	Grab	NA	Drinking water sample collected from a residence at 86 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 66), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, 18-ft-deep dug well. The sample was collected from the kitchen sink spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through a holding tank and the home's piping system. The house's filtration system was bypassed. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 12.2; Sp. Cond. (µS) = 117.0; pH (meter) = 6.02; PID = 0; CGI/O2 = 0/20.9; Turbidity (NTU) =0.54 44° 13′ 59.02″ North Latitude 70° 05′ 01.80″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-15	A3T37 MA3T37 MA3TL7	11/16/10 1618	Grab	NA	Drinking water sample was collected from a residence at 97 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 58-8), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, approximately 90- to 100-ft-deep, gravel-pack overburden private supply well. The sample was collected from a basement spigot after system purging was completed and water quality parameters stabilized. The samples were collected after water flowed through an approximately 20-gallon holding tank and prior to a sediment filtration system. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 8.5; Sp. Cond. (µS) = 159.5; pH (meter) = 8.46; PID = 0; CGI/O_2 = 0/20.7; Turbidity (NTU) =0.50 44° 14′ 03.02″ North Latitude 70° 04′ 54.98″ West Longitude
DW-16	A3T38 MA3T38 MA3TL8	11/18/10 1835	Grab	NA	Drinking water sample collected from a residence at 91 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 58-7), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site 198-ft-deep drilled bedrock private supply well. The sample was collected from an inside basement spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through a holding tank. No filtration or water softener systems were observed in the house. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 11.7; Sp. Cond. (µS) = 146.5; pH (meter) = 8.40; PID = 0; CGI/O_2 = 0/20.9; Turbidity (NTU) =1.67 44° 14′ 01.46″ North Latitude 70° 04′ 56.38″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-18	A3T40 MA3T40 MA3TM0	11/10/10 1742	Grab	NA	Drinking water sample collected from a residence at 83 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 58-5), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site 220-ft-deep drilled bedrock private supply well. The sample was collected from the kitchen sink spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 20-gallon holding tank and the home's piping system, and prior to any filtration system. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 9.0; Sp. Cond. (µS) = 189.4; pH (meter) = 8.31; PID = 0; CGI/O_2 = 0/20.8; Turbidity (NTU) =1.43 44° 14′ 05.20″ North Latitude 70° 05′ 04.08″ West Longitude
DW-19	A3T41 MA3T41 MA3TM1	11/17/10 1232	Grab	NA	Drinking water sample collected from a residence at 73 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 58-4), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, 12-ft-deep, dug overburden private supply well. The sample was collected from an outside spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through a holding tank and the home's piping system, prior to any known filtration systems. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 10.9; Sp. Cond. (µS) = 131.9; pH (meter) = 6.00; PID=NA; CGI/O_2 = NA; Turbidity (NTU) = 0.49 44° 13′ 57.54″ North Latitude 70° 04′ 55.53″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-20	A3T42 MA3T42 MA3TM2	11/8/10 1658	Grab	NA	Drinking water sample collected from a residence at 67 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, as Lot No. 58-3), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, 16-ft-deep, dug overburden private supply well. The sample was collected from a basement spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 30-gallon holding tank. The sample was collected prior to an in-line filtration system. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 11.0; Sp. Cond. (µS) = 173.1; pH (meter) = 6.42; PID = 0; CGI/O_2 = 0/21.0; Turbidity (NTU) =48.19 44° 13′ 54.23″ North Latitude 70° 04′ 55.29″ West Longitude
DW-21 (MS/MSD)	A3T43 MA3T43 MA3TM3	11/17/10 0935	Grab	NA	Drinking water sample collected from a residence at 51 Blue Rock Road (Town of Monmouth, ME Tax Assessor's Map No. 20, Lot No. 2), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site 32-ft-deep drilled overburden private supply well. The sample was collected from the kitchen sink spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 20-gallon holding tank and the home's piping system. No filtration systems exist in the house. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 10.3; Sp. Cond. (µS) = 59.8; pH (meter) = 6.13; PID = 0; CGI/O_2 = 0/20.9; Turbidity (NTU) = 3.82 44° 14′ 16.13″ North Latitude 70° 04′ 55.37″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-22	A3T44 MA3T44 MA3TM4	11/8/10 1748	Grab	NA	Drinking water sample collected from a residence at 61 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 58-2), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site dug private supply well (depth unknown). The sample was collected from an inside basement spigot utilizing a spigot adapter, after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through a holding tank. No filtration systems are known by START to exist within the house. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 11.8; Sp. Cond. (µS) = 152.5; pH (meter) = 6.13; PID = 0; CGI/O_2 = 0/20.9; Turbidity (NTU) = 0.86 44° 13′ 53.90″ North Latitude 70° 04′ 55.37″ West Longitude
DW-23	A3T45 MA3T45 MA3TM5	11/16/10 1802	Grab	NA	Drinking water sample collected from a residence at 66 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 63), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, 497-ft-deep, drilled bedrock private supply well. The sample was collected from an inside spigot after system purging was completed and water quality parameters stabilized. The sample was collected prior to an approximately 30-gallon holding tank and two sediment filters. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 9.0; Sp. Cond. (µS) = 167.1; pH (meter) = 8.45; PID = 0; CGI/O_2 = 0/20.7; Turbidity (NTU) = 0.95 44° 13′ 53.62″ North Latitude 70° 04′ 58.44″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-24	A3T46 MA3T46 MA3TM6	11/9/10 1225	Grab	NA	Drinking water sample collected from a residence at 60 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 63-2), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, approximately 375- to 400-ft-deep, drilled bedrock private supply well. The sample was collected from an outdoor spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through a 40-gallon holding tank and the home's piping system. The water softener system was bypassed for sample collection purposes. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 10.1; Sp. Cond. (µS) = 168.1; pH (meter) = 8.6; PID = 0; CGI/O_2 = 0/20.9; Turbidity (NTU) = NA 44° 13′ 52.74″ North Latitude 70° 04′ 58.84″ West Longitude
DW-25	A3T47 MA3T47 MA3TM7	11/8/10 1754	Grab	NA	Drinking water sample collected from a residence at 52 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 63-1), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site 368-ft-deep drilled bedrock private supply well. The sample was collected from a basement spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 25-gallon holding tank and prior to a filter system. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 9.0; Sp. Cond. (µS) = 161.3; pH (meter) = 8.73; PID = 0.1; CGI/O_2 = 0/21.0; Turbidity (NTU) = 1.58 44° 13′ 51.28″ North Latitude 70° 04′ 57.17″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-26	A3T48 MA3T48 MA3TM8	11/17/10 1648	Grab	NA	Drinking water sample collected from a residence at 45 Lowmoore Drive (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 57-5), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site 700-ft-deep drilled bedrock private supply well. The sample was collected from an outside spigot after system purging was completed and water quality parameters stabilized per START protocols. The sample was collected after water flowed through an approximately 20- to 25-gallon holding tank and the home's piping system. No filtration systems exist within the house. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 9.9; Sp. Cond. (µS) = 197.8; pH (meter) = 8.77; PID = 0; CGI/O_2 = NA; Turbidity (NTU) = 0.70 44° 13′ 54.72″ North Latitude 70° 04′ 43.98″ West Longitude
DW-27	A3T49 MA3T49 MA3TM9	11/11/10 1005	Grab	NA	Drinking water sample collected from a residence at 6 Ashley Lane (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 57-3), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site 400-ft-deep drilled (assumed bedrock) private supply well. The sample was collected from an outside spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 20- to 25-gallon holding tank and the home's piping system. No filtration systems exist at the house. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 9.4; Sp. Cond. (µS) = 202.0; pH (meter) = 8.93; PID = 0; CGI/O_2 = 0/20.9; Turbidity = 1.49 44° 13′ 57.20″ North Latitude 70° 04′ 41.40″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-28	A3T50 MA3T50 MA3TN0	11/9/10 1832	Grab	NA	Drinking water sample collected from a residence at 26 Lowmoore Drive (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 57-7), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site 130-ft-deep drilled private supply well [formation characteristics (*i.e.* overburden/bedrock) are unknown]. The sample was collected from the kitchen sink spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through a holding tank and the home's piping system. No filtration system exists in the house. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 9.6; Sp. Cond. (µS) = 209.6; pH (meter) = 8.57; PID = NA; CGI/O_2 = NA; Turbidity (NTU) = 1.11 44° 13′ 51.01″ North Latitude 70° 04′ 41.57″ West Longitude
DW-29	A3T51 MA3T51 MA3TN1	11/9/10 1804	Grab	NA	Drinking water sample collected from a residence at 33 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 59-2), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site, dug overburden private supply well of unknown depth. The sample was collected from an outside spigot after system purging was completed and water quality parameters stabilized. The sample was collected after water flowed through an approximately 15-gallon holding tank on well housing. The residence does not have a filtration system. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 11.0; Sp. Cond. (µS) = 190.1; pH (meter) = 6.45; PID = NA; CGI/O_2 = NA; Turbidity (NTU) = 1.23 44° 13′ 46.17″ North Latitude 70° 04′ 51.74″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Continued)					
DW-30	A3T52 MA3T52 MA3TN2	11/8/10 1920	Grab	NA	Drinking water sample collected from a residence at 11 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 59), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site drilled private supply well [well depth and formation characteristics (*i.e.* overburden/bedrock) are unknown]. The sample was collected from an in-line spigot in the basement, immediately after water enters the home's piping system. The sample was collected prior to a holding tank, after system purging was completed and water quality parameters stabilized. The homeowner stated that he had bypassed the filtration systems and water softener. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 9.8; Sp. Cond. (µS) = 176.8; pH (meter) = 9.40; PID = NA; CGI/O_2 = NA; Turbidity (NTU) = 0.19 44° 13′ 40.08″ North Latitude 70° 04′ 54.43″ West Longitude
DW-31	A3T53 MA3T53 MA3TN3	11/17/10 1321	Grab	NA	Drinking water sample collected from a residence at 53 Route 106 (Town of Leeds, ME Tax Assessor's Map No. 1, Lot No. 58-1), to determine whether local private drinking water supply wells have been impacted by sources located on the Leeds Metal property. The residence is supplied drinking water from an on-site 12-ft-deep dug, overburden private supply well. The sample was collected from an outside spigot after system purging was completed and water quality parameters stabilized. Homeowner was not available; START assumes the sample was collected after a holding tank and that no filtration system exists. The water quality parameters at the time of sampling were as follows: Temperature (°C) = 12.7; Sp. Cond. (µS) = 232.6; pH = 6.39; PID = NA; CGI/O_2 = NA; Turbidity (NTU) = 0.22 44° 13′ 51.04″ North Latitude 70° 04′ 54.83″ West Longitude

Table 11

Drinking Water Sample Summary: Leeds Metal
Samples Collected by START on 8 through 11 and 16 through 18 November 2010 (Concluded)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Drinking Water (Concluded)					
DW-33	A3T55 MA3T55 MA3TN5	11/8/10 1435	Grab	NA	Field Duplicate of DW-14, collected for quality control.
DW-34	A3T56 MA3T56 MA3TN6	11/16/10 1618	Grab	NA	Field duplicate of DW-15, collected for quality control.

MS/MSD	=	Matrix Spike/Matrix Spike Duplicate	PID	=	Photoionization Detector
°	=	Degrees	"	=	Seconds
'	=	Minutes	No.	=	Number
bgs	=	Below ground surface	ft	=	Feet
hrs	=	Hours (denotes military time)	NA	=	Not Applicable
Cond.	=	Conductance	Sp.	=	Specific
µS/cm	=	Micro Siemens per centimeter	NTU	=	Nephelometric Turbidity Units.
°C	=	Degrees Celsius	CGI/O_2	=	Combustible Gas Indicator/Oxygen

[1; 115-116]

Complete analytical results of START drinking water samples, including quantitation and reporting limits, are presented in *Attachment E* of this report. Sample results qualified with a "J" on analytical tables are considered approximate because of limitations identified during analytical data validation. Sample results qualified with a "U" on analytical tables indicate that the substances were analyzed for, but not detected, and the associated numerical value is the sample-adjusted CRQL. Sample results qualified with a "UJ" on analytical tables indicate that the substances were analyzed for, but not detected, and the associated numerical value is estimated. Sample results qualified with a "TB" on analytical tables indicate that the compound was identified in an aqueous trip blank used to assess field contamination associated with drinking water samples [99-108].

Complete analytical results of START equipment rinsate and trip blank samples, collected by START in accordance with the Site-Specific QAPP for the Region I START Contract, are presented in *Attachment B* of this report [1; 99-108; 115-116].

Table 12 is a summary of organic compounds and inorganic elements detected through laboratory analyses of START drinking water samples. For each sample location, a substance is listed if it is detected at greater than or equal to three times the greatest reference sample's concentration (DW-01, DW-02 and DW-03). However, if a substance is not detected in the reference sample, the reference sample-adjusted CRQL is used as the reference value. These substances are listed if they occurred at a value equal to or greater than the reference sample's sample-adjusted CRQL and are designated by their approximate relative concentration above these values [1; 99-108; 115-116].

Analytical results of drinking water samples collected as part of the EPA Site Assessment Site Inspection are compared to the EPA MCLs and ME MEGs for Drinking Water, for comparison purposes only. MCLs are EPA's National Primary Drinking Water Standards, which are legally enforceable standards for contaminants known to impact public health in public drinking water systems. EPA MCLs are established to regulate contaminants in public drinking water systems only, but they can also be used as guidelines when evaluating the quality of private drinking water supply wells. Maine MEGs were developed to assist risk managers, homeowners, and others in making decisions regarding the suitability for human consumption of drinking water contaminated by various chemicals. MEGs are used as guidelines to assess potential health risks resulting from long-term ingestion of contaminated water [26; 27].

Table 12

Summary of Analytical Results
Drinking Water Sample Analysis for Leeds Metal

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
DW-02	**DISSOLVED INORGANICS**					
	Arsenic	*22.8 J µg/L*	NA	NA	10 µg/L	10 µg/L
	Sodium	*43,000 J µg/L*	NA	NA	NL	20,000 µg/L
	TOTAL INORGANICS					
	Arsenic	*21.2 J µg/L*	NA	NA	10 µg/L	10 µg/L
	Sodium	*43,600 J µg/L*	NA	NA	NL	20,000 µg/L
DW-03	**DISSOLVED INORGANICS**					
	Arsenic	*13.1 J µg/L*	NA	NA	10 µg/L	10 µg/L
	TOTAL INORGANICS					
	Arsenic	*12.5 J µg/L*	NA	NA	10 µg/L	10 µg/L
DW-05	**VOCs**					
	Trichloroethene	1.0 µg/L	0.5 U µg/L	2 × Ref	5 µg/L	30 µg/L
	DISSOLVED INORGANICS					
	Copper	46.3 J µg/L	3.5 µg/L	13.2 × Ref	1,300 µg/L	500 µg/L
	Zinc	263 µg/L	6.2 µg/L	42.4 × Ref	NL	2,000 µg/L
	TOTAL INORGANICS					
	Copper	49.4 µg/L	12.3 µg/L	4 × Ref	1,300 µg/L	500 µg/L
	Zinc	249 µg/L	9.4 U µg/L	26.5 × CRQL	NL	2,000 µg/L

Table 12

Summary of Analytical Results
Drinking Water Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
DW-08	**DISSOLVED INORGANICS**					
	Arsenic	***16.8 J µg/L***	NA	NA	10 µg/L	10 µg/L
	Chromium	2.7 µg/L	2.0 U µg/L	1.4 × CRQL	100 µg/L	20 µg/L
	Copper	27.6 µg/L	3.5 µg/L	7.9 × Ref	1,300 µg/L	500 µg/L
	TOTAL INORGANICS					
	Arsenic	***17.5 J µg/L***	NA	NA	10 µg/L	10 µg/L
	Chromium	5.4 µg/L	2.0 U µg/L	2.7 × CRQL	100 µg/L	20 µg/L
	Copper	90.2 µg/L	12.3 µg/L	7.3 × Ref	1,300 µg/L	500 µg/L
	Lead	**10.0 µg/L**	4.4 U µg/L	2.3 × CRQL	15 µg/L	10 µg/L
DW-09	**VOCs**					
	Dichloroethene, cis-1,2- *	0.079 J µg/L	NA	NA	70 µg/L	70 µg/L
	Trichloroethene *	0.21 J µg/L	NA	NA	5 µg/L	30 µg/L
	DISSOLVED INORGANICS					
	Arsenic	***12.6 J µg/L***	NA	NA	10 µg/L	10 µg/L
	TOTAL INORGANICS					
	Arsenic	***11.1 J µg/L***	NA	NA	10 µg/L	10 µg/L
DW-10	**VOCs**					
	Tetrachloroethene *	0.085 J µg/L	NA	NA	5 µg/L	0.6 µg/L
	TOTAL INORGANICS					
	Zinc	9.6 µg/L	9.4 U µg/L	1 × CRQL	NL	2,000 µg/L

Table 12

Summary of Analytical Results
Drinking Water Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
DW-11	**VOCs**					
	Tetrachloroethene *	0.089 J µg/L	NA	NA	5 µg/L	0.6 µg/L
	DISSOLVED INORGANICS					
	Barium	9.5 J µg/L	2.9 J µg/L	3.3 × Ref	2,000 µg/L	1,000 µg/L
	Magnesium	3,730 J µg/L	1,210 µg/L	3.1 × Ref	NL	NL
	TOTAL INORGANICS					
	Barium	9.5 J µg/L	2.8 J µg/L	3.4 × Ref	2,000 µg/L	1,000 µg/L
	Zinc	59.4 µg/L	9.4 U µg/L	6.3 × CRQL	NL	2,000 µg/L
DW-12	**VOCs**					
	Dichloroethene, cis-1,2-	7.8 µg/L	0.5 U µg/L	15.6 × CRQL	70 µg/L	70 µg/L
	Tetrachloroethene	**3.9 µg/L**	0.5 U µg/L	7.8 × CRQL	5 µg/L	0.6 µg/L
	Trichloroethene	**18 µg/L**	0.5 U µg/L	36 × CRQL	5 µg/L	30 µg/L
	Dichloroethane, 1,1-	0.81 µg/L	0.5 U µg/L	1.6 × CRQL	NL	60 µg/L
	DISSOLVED INORGANICS					
	Arsenic	***26.7 J µg/L***	NA	NA	10 µg/L	10 µg/L
	Calcium	36,700 µg/L	11,500 µg/L	3.2 × Ref	NL	NL
	Nickel	2.2 J µg/L	0.46 J µg/L	4.8 × Ref	NL	20 µg/L
	Potassium	5,180 µg/L	1,630 µg/L	3.2 × Ref	NL	NL
	TOTAL INORGANICS					
	Arsenic	***26.8 J µg/L***	NA	NA	10 µg/L	10 µg/L
	Calcium	36,300 µg/L	11,700 µg/L	3.1 × Ref	NL	NL
	Nickel	2.6 J µg/L	1.0 UJ µg/L	2.6 × CRQL	NL	20 µg/L
	Potassium	4,990 µg/L	1,650 µg/L	3 × Ref	NL	NL

Table 12

Summary of Analytical Results
Drinking Water Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
DW-13	**VOCs**					
	Dichloroethene, cis-1,2-	0.57 µg/L	0.5 U µg/L	1.1 × CRQL	70 µg/L	70 µg/L
	Tetrachloroethene	**0.91 µg/L**	0.5 U µg/L	1.8 × CRQL	5 µg/L	0.6 µg/L
	Trichloroethene	0.96 µg/L	0.5 U µg/L	1.9 × CRQL	5 µg/L	30 µg/L
DW-14	**DISSOLVED INORGANICS**					
	Barium	24.4 J µg/L	2.9 J µg/L	8.4 × Ref	2,000 µg/L	1,000 µg/L
	Copper	252 µg/L	3.5 µg/L	72 × Ref	1,300 µg/L	500 µg/L
	Nickel	3.4 µg/L	0.46 J µg/L	7.4 × Ref	NL	20 µg/L
	TOTAL INORGANICS					
	Barium	24.9 µg/L	2.8 J µg/L	8.9 × Ref	2,000 µg/L	1,000 µg/L
	Copper	213 µg/L	12.3 µg/L	17.3 × Ref	1,300 µg/L	500 µg/L
	Nickel	3.1 J µg/L	1.0 UJ µg/L	3.1 × CRQL	NL	20 µg/L
	Zinc	9.8 µg/L	9.4 U µg/L	1.3 × CRQL	NL	2,000 µg/L
DW-15	**VOCs**					
	Dichloroethene, cis-1,2- *	0.21 J µg/L	NA	NA	70 µg/L	70 µg/L
	Tetrachloroethene *	0.054 J µg/L	NA	NA	5 µg/L	0.6 µg/L
	Trichloroethene *	0.4 J µg/L	NA	NA	5 µg/L	30 µg/L
	DISSOLVED INORGANICS					
	Arsenic	***24.1 J µg/L***	NA	NA	10 µg/L	10 µg/L
	TOTAL INORGANICS					
	Arsenic	***23.8 J µg/L***	NA	NA	10 µg/L	10 µg/L

Table 12

Summary of Analytical Results
Drinking Water Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
DW-16	**VOCs**					
	Dichloroethene, cis-1,2- *	0.26 J µg/L	NA	NA	70 µg/L	70 µg/L
	Tetrachloroethene *	0.12 J µg/L	NA	NA	5 µg/L	0.6 µg/L
	Trichloroethene	0.63 µg/L	0.5 U µg/L	1.3 × CRQL	5 µg/L	30 µg/L
	DISSOLVED INORGANICS					
	Arsenic	***12.8 J µg/L***	NA	NA	10 µg/L	10 µg/L
	TOTAL INORGANICS					
	Arsenic	***11.9 J µg/L***	NA	NA	10 µg/L	10 µg/L
DW-18	**VOCs**					
	Dichloroethene, cis-1,2- *	0.27 J µg/L	NA	NA	70 µg/L	70 µg/L
	Tetrachloroethene	**1.1 µg/L**	0.5 U µg/L	2.2 × CRQL	5 µg/L	0.6 µg/L
	Trichloroethene	0.52 µg/L	0.5 U µg/L	1 × CRQL	5 µg/L	30 µg/L
DW-19	**DISSOLVED INORGANICS**					
	Arsenic	***12.3 J µg/L***	NA	NA	10 µg/L	10 µg/L
	Copper	17.3 µg/L	3.5 µg/L	4.9 × Ref	1,300 µg/L	1,500 µg/L
	Nickel	1.6 J µg/L	0.46 J µg/L	3.5 × Ref	NL	20 µg/L
	TOTAL INORGANICS					
	Arsenic	***12.3 J µg/L***	NA	NA	10 µg/L	10 µg/L
	Zinc	15.6 J µg/L	9.4 U µg/L	1.6 × CRQL	NL	2,000 µg/L

Table 12

Summary of Analytical Results
Drinking Water Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
DW-20	**DISSOLVED INORGANICS**					
	Barium	13 J µg/L	2.9 J µg/L	4.5 × Ref	2,000 µg/L	1,000 µg/L
	Copper	13.3 µg/L	3.5 µg/L	3.7 × Ref	1,300 µg/L	500 µg/L
	Sodium	***24,400 J µg/L***	NA	NA	NL	20,000 µg/L
	TOTAL INORGANICS					
	Barium	15.6 µg/L	2.8 J µg/L	5.6 × Ref	2,000 µg/L	1,000 µg/L
	Cobalt	1.4 µg/L	1.0 U µg/L	1.4 × CRQL	NL	10 µg/L
	Copper	75.1 µg/L	12.3 µg/L	6.1 × Ref	1,300 µg/L	500 µg/L
	Nickel	2.2 J µg/L	1.0 UJ µg/L	2.2 × CRQL	NL	20 µg/L
	Sodium	***27,700 J µg/L***	NA	NA	NL	20,000 µg/L
	Zinc	12.9 µg/L	9.4 U µg/L	3.4 × CRQL	NL	2,000 µg/L
DW-21	**DISSOLVED INORGANICS**					
	Arsenic	***12.5 J µg/L***	NA	NA	10 µg/L	10 µg/L
	Chromium	3.0 µg/L	2.0 U µg/L	1.5 × CRQL	100 µg/L	20 µg/L
	Copper	29.3 µg/L	3.5 µg/L	8.4 × Ref	1,300 µg/L	500 µg/L
	TOTAL INORGANICS					
	Arsenic	***12.3 J µg/L***	NA	NA	10 µg/L	10 µg/L
	Chromium	2.9 µg/L	2.0 U µg/L	1.5 × CRQL	100 µg/L	20 µg/L
DW-22	**DISSOLVED INORGANICS**					
	Barium	13.1 J µg/L	2.9 J µg/L	4.5 × Ref	2,000 µg/L	1,000 µg/L
	Copper	86.4 µg/L	3.5 µg/L	25.1 × Ref	1,300 µg/L	500 µg/L
	Lead	2.4 µg/L	1.0 UJ µg/L	2.4 × CRQL	15 µg/L	10 µg/L
	Sodium	***23,600 J µg/L***	NA	NA	NL	20,000 µg/L

Table 12

Summary of Analytical Results
Drinking Water Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
DW-22 Concluded	**TOTAL INORGANICS**					
	Barium	13.4 µg/L	2.8 J µg/L	4.8 × Ref	2,000 µg/L	1,000 µg/L
	Copper	83.0 µg/L	12.3 µg/L	6.7 × Ref	1,300 µg/L	500 µg/L
	Sodium	***26,300 J µg/L***	NA	NA	NL	20,000 µg/L
DW-23	**VOCs**					
	Dichloroethene, cis-1,2- *	0.46 J µg/L	NA	NA	70 µg/L	70 µg/L
	Tetrachloroethene	**0.61 µg/L**	0.5 U µg/L	1.2 × CRQL	5 µg/L	0.6 µg/L
	Trichloroethene	0.91 µg/L	0.5 U µg/L	1.8 × CRQL	5 µg/L	30 µg/L
	DISSOLVED INORGANICS					
	Arsenic	***23.4 J µg/L***	NA	NA	10 µg/L	10 µg/L
	TOTAL INORGANICS					
	Arsenic	***22.2 J µg/L***	NA	NA	10 µg/L	10 µg/L
	Chromium	2.2 µg/L	2.0 U µg/L	× CRQL	100 µg/L	20 µg/L
	Nickel	2.1 J µg/L	1.0 UJ µg/L	× CRQL	NL	20 µg/L
DW-24	**VOCs**					
	Dichloroethene, cis-1,2-	0.79 µg/L	0.5 U µg/L	1.6 × CRQL	70 µg/L	70 µg/L
	Tetrachloroethene	**0.77 µg/L**	0.5 U µg/L	1.5 × CRQL	5 µg/L	0.6 µg/L
	Trichloroethene	1.5 µg/L	0.5 U µg/L	3 × CRQL	5 µg/L	30 µg/L
	DISSOLVED INORGANICS					
	Arsenic	***13.6 J µg/L***	NA	NA	10 µg/L	10 µg/L

Table 12

Summary of Analytical Results
Drinking Water Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
DW-24 Concluded	**TOTAL INORGANICS**					
	Arsenic	***12.6 J µg/L***	NA	NA	10 µg/L	10 µg/L
DW-25	**VOCs**					
	Dichloroethene, cis-1,2- *	0.43 J µg/L	NA	NA	70 µg/L	70 µg/L
	Tetrachloroethene *	0.07 J µg/L	NA	NA	5 µg/L	0.6 µg/L
	Toluene	19 µg/L	0.5 U µg/L	38.0 × CRQL	1,000 µg/L	600 µg/L
	Trichloroethene	0.65 µg/L	0.5 U µg/L	38 × CRQL	5 µg/L	30 µg/L
	DISSOLVED INORGANICS					
	Arsenic	***13.7 J µg/L***	NA	NA	10 µg/L	10 µg/L
	TOTAL INORGANICS					
	Arsenic	***13.0 J µg/L***	NA	NA	10 µg/L	10 µg/L
	Nickel	1.4 J µg/L	1.0 UJ µg/L	1.4 × CRQL	NL	20 µg/L
DW-26	**VOCs**					
	Toluene	0.81 µg/L	0.5 U µg/L	1.6 × CRQL	1,000 µg/L	600 µg/L
	DISSOLVED INORGANICS					
	Arsenic	***30.1 J µg/L***	NA	NA	10 µg/L	10 µg/L
	TOTAL INORGANICS					
	Arsenic	***28.9 J µg/L***	NA	NA	10 µg/L	10 µg/L

Table 12

Summary of Analytical Results
Drinking Water Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
DW-27	**DISSOLVED INORGANICS**					
	Arsenic	*10.7 J µg/L*	NA	NA	10 µg/L	10 µg/L
	TOTAL INORGANICS					
	Arsenic	*10.2 J µg/L*	NA	NA	10 µg/L	10 µg/L
DW-29	**DISSOLVED INORGANICS**					
	Copper	13.2 µg/L	3.5 µg/L	3.7 × Ref	1,300 µg/L	500 µg/L
	Sodium	*34,600 J µg/L*	NA	NA	NL	20,000 µg/L
	TOTAL INORGANICS					
	Sodium	*27,500 J µg/L*	NA	NA	NL	20,000 µg/L
DW-30	**VOCs**					
	Toluene	0.58 µg/L	0.5 U µg/L	1.2 × CRQL	1,000 µg/L	600 µg/L
	DISSOLVED INORGANICS					
	Arsenic	*17.3 J µg/L*	NA	NA	10 µg/L	10 µg/L
	Sodium	*29,100 J µg/L*	NA	NA	NL	20,000 µg/L
	TOTAL INORGANICS					
	Arsenic	*16.1 J µg/L*	NA	NA	10 µg/L	10 µg/L
	Sodium	*33,100 J µg/L*	NA	NA	NL	20,000 µg/L
DW-31	**DISSOLVED INORGANICS**					
	Arsenic	*15.1 J µg/L*	NA	NA	10 µg/L	10 µg/L
	Barium	14.5 J µg/L	2.9 J µg/L	5 × Ref	2,000 µg/L	1,000 µg/L
	Copper	33.1 µg/L	3.5 µg/L	9.6 × Ref	1,300 µg/L	500 µg/L
	Magnesium	4,990 µg/L	1,210 µg/L	4.1 × Ref	NL	NL

Table 12

Summary of Analytical Results
Drinking Water Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
DW-31 continued	**TOTAL INORGANICS**					
	Arsenic	***10.8 J µg/L***	NA	NA	10 µg/L	10 µg/L
	Barium	14.1 J µg/L	2.8 J µg/L	5 × Ref	2,000 µg/L	1,000 µg/L
	Magnesium	4,740 µg/L	1,320 µg/L	3.6 × Ref	NL	NL
DW-33	**VOCs**					
	Trichloroethene *	0.066 J µg/L	NA	NA	5 µg/L	30 µg/L
	DISSOLVED INORGANICS					
	Barium	24.4 J µg/L	2.9 J µg/L	8.4 × Ref	2,000 µg/L	1,000 µg/L
	Copper	188 µg/L	3.5 µg/L	53.7 × Ref	1,300 µg/L	500 µg/L
	Nickel	3.3 µg/L	0.46 J µg/L	7.2 × Ref	NL	20 µg/L
	TOTAL INORGANICS					
	Barium	24.8 µg/L	2.8 J µg/L	8.9 × Ref	2,000 µg/L	1,000 µg/L
	Copper	225 µg/L	12.3 µg/L	18.3 × Ref	1,300 µg/L	500 µg/L
	Nickel	5.3 J µg/L	1.0 UJ µg/L	5.3 × CRQL	NL	20 µg/L
	Zinc	11.6 µg/L	9.4 U µg/L	1.2 × CRQL	NL	2,000 µg/L
DW-34	**VOCs**					
	Dichloroethene, cis-1,2- *	0.14 J µg/L	NA	NA	70 µg/L	70 µg/L
	Trichloroethene *	0.35 J µg/L	NA	NA	5 µg/L	30 µg/L
	DISSOLVED INORGANICS					
	Arsenic	***24.7 J µg/L***	NA	NA	10 µg/L	10 µg/L

Table 12

Summary of Analytical Results
Drinking Water Sample Analysis for Leeds Metal (Concluded)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	EPA MCL	ME MEG
DW-34 Continued	**TOTAL INORGANICS**					
	Arsenic	*22.3 J µg/L*	NA	NA	10 µg/L	10 µg/L

Bolded values indicate that the organic compound or inorganic element was detected at a concentration equal to or greater than the compound's or element's EPA MCL and/or ME MEG.

Bolded and *italicized* values indicate that the organic compound or inorganic element was detected at a concentration equal to or greater than the compound's or element's EPA MCL and/or ME MEG, but was not detected above reference criteria.

Note: If a compound or element was not detected in the respective reference sample(s), that compound or element is designated by its relative difference above the sample-adjusted CRQL (denoted CRQL in the table).

* This compound was not detected above reference criteria. However, this compound is not naturally occurring. Furthermore, this compound is either tetrachloroethene (PCE) or a breakdown product of PCE, which was detected in on-site sources. Therefore, this compound (PCE or its breakdown product) is considered attributable to on-site sources.

VOCs = Volatile Organic Compounds.
CRQL = Contract Required Quantitation Limit.
NA = Not applicable.
J = The associated numerical value is an estimated quantity.
U = The compound or element was analyzed for, but not detected. The associated numerical value is the sample-adjusted CRQL.
UJ = The compound or element was analyzed for, but not detected. The associated numerical value is the estimated sample-adjusted CRQL.
EPA MCL = EPA Maximum Contaminant Level (MCL) established under the Safe Water Drinking Act (4 November 2010) for community drinking water systems only. MCLs are used as guidelines/for comparison purposes for private drinking water.
ME MEG = Maine (ME) Department of Human Services, Bureau of Health Maximum Exposure Guidelines (MEG) for Drinking Water (Version dated 21 October 2010).
µg/L = Micrograms per liter [equivalent to parts per billion (ppb)].
Ref = Reference.
NL = Not Listed.

[1; 26-27; 99-108; 115-116]

Eleven VOCs were detected in drinking water samples collected by START as part of the EPA Site Assessment Site Inspection. Of these, the following five VOCs were detected at concentrations exceeding reference criteria (maximum concentration and sample location in parentheses): 1,1-DCA (0.81 µg/L in DW-12); cis-1,2-DCE (7.8 J µg/L in DW-12); PCE (3.9 µg/L in DW-12); toluene (19 µg/L in DW-25); and TCE (18 µg/L in DW-12) [99-101]. VOCs 1,1-DCA, cis-1,2-DCE, PCE, and TCE were also detected in additional START drinking water samples at concentrations above the MDL, but below reference criteria (*i.e.*, below 0.5 U µg/L) [99-101; 143]. TCE was detected in one drinking water sample (DW-12) at a concentration above reference criteria and above the EPA MCL. In addition, PCE was detected at concentrations above reference criteria and above the ME DHS MEG in five drinking water samples (DW-12, DW-13, DW-18, DW-23, and DW-24). PCE, toluene, and TCE were detected in source samples collected from the Leeds Metal property [89-93]. In addition, cis-1,2-DCE is a known breakdown product of PCE, and like PCE, is not a naturally occurring substance [146-148]. Therefore, START considers PCE, toluene, and TCE, as well as cis-1,2-DCE, detected above reference criteria in drinking water samples, to be attributable to source areas on the Leeds Metal property. The VOC 1,1-DCA, which was detected above reference criteria in drinking water samples, is not a naturally occurring substance. However, as neither 1,1-DCA nor its parent products have not been detected in source samples collected to date, START does not consider 1,1-DCA attributable to on-site sources.

Sixteen dissolved metals were detected in drinking water samples collected by START as part of the EPA Site Assessment Site Inspection. Of these, the following nine dissolved metals were detected in drinking water samples at concentrations exceeding reference criteria (maximum concentrations and sample location in parentheses): barium (24.4. J in DW-14 and DW-33); calcium (36,700 µg/L in DW-12); chromium (3.0 µg/L in DW-21); copper (252 J µg/L in DW-14); lead (2.4 µg/L in DW-22); magnesium (4,990 µg/L in DW-31); nickel (3.4 µg/L in DW-14); potassium (5,180 µg/L in DW-12); and zinc (263 in DW-05) [102-105]. None of the dissolved metals detected in drinking samples above reference criteria exceeded the EPA MCLs or ME DHS MEGs [26-27]. However, two dissolved metals, arsenic and sodium, were detected above the EPA MCLs and/or ME DHS MEGs, but below reference criteria [26-27; 102-105]. All the dissolved metals detected above reference criteria in START drinking water samples were also detected in source samples collected from the Leeds Metal property [94-98]. As a result, the presence of nine dissolved metals (barium, calcium, chromium, copper, lead, magnesium, nickel, potassium, and zinc) in drinking water samples is considered at least partially attributable to source areas located on the Leeds Metal property.

Twenty total metals were detected in drinking water samples collected by START as part of the EPA Site Assessment Site Inspection. Of these, the following 10 total metals were detected in drinking water samples at concentrations exceeding reference criteria (maximum concentrations and sample location in parentheses): barium (24.9 µg/L in DW-14); calcium (36,300 µg/L in DW-12); chromium (5.4 µg/L in DW-08); cobalt (1.4 µg/L in DW-20); copper (225 µg/L in DW-33); lead (10.0 µg/L in DW-08); magnesium (4,740 µg/L in DW-31); nickel (5.3 J µg/L in DW-33); potassium (4,990 µg/L in DW-12); and zinc (249 µg/L in DW-05) [99-108]. One total metal, lead, was detected in drinking samples at a concentration above reference criteria and its ME DHS MEG [27]. In addition, two total metals, arsenic and sodium, were detected above the EPA MCLs and/or ME DHS MEGs, but below reference criteria [26-27]. All the total metals detected above reference criteria in drinking water samples were also detected in source samples collected from the Leeds Metal property [94-98]. As a result, the presence of these 10 total metals (barium, calcium, chromium, cobalt, copper, lead, magnesium, nickel, potassium, and

zinc) in START drinking water samples is considered at least partially attributable to source areas located on the Leeds Metal property.

In summary, START conducted groundwater sampling as part of the EPA Site Assessment Site Inspection. Based on analytical results, a release to the overburden sand and gravel aquifer beneath the property, from source areas located on the Leeds Metal property, has been documented for the following substances: one VOC (PCE); four dissolved metals (chromium, iron, potassium, and vanadium); and nine total metals (aluminum, chromium, copper, iron, lead, nickel, potassium, vanadium, and zinc) [1; 89-98; 100-101; 104-105; 107-108; 115-117]. PCE and total iron were detected above reference criteria and above the EPA MCLs and/or ME DHS MEGs [26-27]. In addition, TCE was detected in groundwater samples at concentrations above the MDL, but below reference criteria. To date, no known actions have been taken to address the releases of hazardous substances to the overburden sand and gravel aquifer.

START also conducted drinking water sampling as part of the EPA Site Assessment Site Inspection. Based on analytical results, a release to local drinking water supply wells, from source areas located on the Leeds Metal property, has been documented for the following substances: four VOCs (cis-1,2-DCE, PCE, toluene, and TCE); nine dissolved metals (barium, calcium, chromium, copper, lead, magnesium, nickel, potassium, and zinc); and 10 total metals (barium, calcium, chromium, cobalt, copper, lead, magnesium, nickel, potassium, and zinc) [1; 115-117; 89-98; 99-108]. Total lead, PCE, and TCE were detected above reference criteria and above the EPA MCLs and/or ME DHS MEGs [26-27]. As of 6 April 2011, no known actions had taken to address the releases of hazardous substances to local drinking water supply wells.

In addition, PCE and TCE are among the most common chlorinated solvents released to the environment [146; 148].

TCE is a colorless, highly volatile liquid that is miscible with water and a number of organic solvents [147; 163]. TCE is mainly used as a solvent to remove grease from metal parts, but is also an ingredient in adhesives, paint removers, typewriter correction fluids, and spot removers [148; 163; 165]. TCE does not occur naturally in the environment [147; 163]. However, it has been found in underground water sources and many surface waters as a result of the manufacture, use, and disposal of the chemical [147; 163]. TCE has a molecular weight of 131.4 grams per mole (g/mol) and a density of 1.465 grams per milliliter (g/mL) [147; 148; 165]. TCE dissolves slightly in water, but can remain in groundwater for a long time [163].

PCE is a colorless, highly volatile liquid with a limited tendency to mix with or dissolve in water [162; 164]. PCE is a manufactured chemical that is widely used for metal degreasing and for dry cleaning of fabrics [146]. PCE has a high vapor pressure, allowing it to easily evaporate into the air [164]. PCE has a molecular weight of 165.83 g/mol and a density of 1.6227 g/mL [146; 148]. As a result of its low solubility and high density, liquid PCE tends to "sink" through water and can exist in the groundwater environment as a separate, dense non-aqueous phase liquid (DNAPL) that will collect or pool at or along low points in water-containing vessels or conveyances [164; 166].

Given the high vapor pressure of PCE, much of it that enters into the environment evaporates into the air [164]. In the air, PCE is broken down by sunlight or brought back to the soil and water by rain [164]. Small amounts of PCE (approximately 0.012% by volume) can dissolve in groundwater or surface water [164]. This PCE will move as a dissolved phase along with the water [164]. Releases of larger amounts of PCE can exist as a separate DNAPL [164].

Under reducing conditions in soil and/or groundwater, naturally occurring microorganisms can break PCE down (through a process known as anaerobic reductive dechlorination) [148; 164]. Under oxygenated conditions in soil and/or groundwater, PCE tends to be environmentally persistent [164]. TCE is a common degradation product of PCE through biotic anaerobic reductive dechlorination [148]. Degradation of TCE continues and breaks down TCE to the dichloroethene (DCE) isomers (*cis*-DCE or *trans*-DCE) [148]. Both TCE and PCE can exist as DNAPLs [165].

DNAPLs are denser than water and are relatively immiscible in water, allowing them to remain in a non-aqueous phase [166]. DNAPLs are difficult to detect in the environment and can act as a source for dissolved contamination in groundwater over time [164]. While these are defining features of DNAPLs, there are a number of other physical and chemical properties that influence their actual migration in the subsurface and their physical/geochemical behavior [166]. Their behavior is determined by complex interactions between the DNAPL chemicals and the hydrogeological formations through which the DNAPLs move [166]. DNAPL chemicals are subject to several processes, including downward migration by gravity; absorption and adsorption on soil; volatilization into soil gas; dissolution and dispersion in groundwater; preferential solution of components; phase separation or the formation of emulsions; and transformation into other chemicals by microbiological and/or chemical processes (when chemicals are in solution or air) [166]. Given relatively equal viscosities, the greater the specific gravity, the greater the tendency of the substance to migrate under the influence of gravity through the subsurface [166].

Provided there is sufficient mass to drive the movement, the DNAPL will continue to move downward through preferential pathways (*i.e.,* coarser-grained materials that provide less capillary resistance) until it meets a zone of low permeability, where it will tend to pool or, if the zone has a dip, will move across the surface to lower areas [166]. DNAPLs will tend to move vertically downward and collect in low spots or along impermeable barriers [164].

Attribution of PCE and TCE are established based on the following: documentation of the historical operations conducted on site, which included parts cleaning for resale; the common practice of using solvents containing PCE and TCE to remove grease from metal parts; the documentation, via chemical analyses, of PCE in on-site source samples; the documented chemical breakdown process of PCE to TCE; the documentation, via chemical analyses, of PCE in on-site "shallow" and "deep" overburden monitoring wells; and the documentation, via chemical analyses, of PCE and TCE in off-site drinking water samples.

ERM, on behalf of Pan Am Railways, has noted that the chemical signatures found in the monitoring wells on site differ from those in the drinking water wells. Specifically, the on-site monitoring wells contain only PCE, while drinking water wells contain PCE and daughter compounds including TCE, cis-1,2-DCE, and 1,1-DCA [171]. A ME DEP Certified Environmental Hydrologist/representative has asserted that the chemical signatures between the monitoring wells and the drinking water supplies are directly related. Research has shown that PCE degrades under reducing conditions and does not degrade under oxidized conditions. This is commonly expressed in oxidation reduction potential (Eh). The field parameters collected during monitoring well sampling completed in June 2009 indicated that the on-site monitoring wells reflect oxidized conditions. The ME DEP representative stated that given the thickness of the saturated overburden present in the area (approximately 150-feet based on drilling records) it is likely that Eh of the groundwater present in the deep overburden or underlying bedrock off-

site is indicative of a reducing environment. Anaerobic reduced groundwater in Maine bedrock groundwater is common, especially under this hydrogeologic setting where deeper groundwater is not in contact with the atmosphere. The ME DEP representative further stated that multiple lines of evidence suggest that the reason why the chemical signatures are different between on-site monitoring wells and off-site drinking water supply wells is due to natural changes in geochemistry [170].

ERM, in their comments to the Draft EPA SI Report, also noted that the distribution of non-chlorinated VOCs detected in the private drinking water supply wells was inconsistent with the chemical signature of non-chlorinated VOCs in the on-site monitoring wells, which they interrupted to indicate that the plume impacting the off-site drinking water wells may be different than the ground water impacts originating from the Leeds Metal Site [171]. A ME DEP Certified Environmental Hydrologist/representative refuted ERM's conclusions, noting that ERM may not have utilized the complete data set. Furthermore, the ME DEP representative presented other potential sources for the various non-chlorinated VOCs and stated that the low level detections of non-chlorinated VOCs did not discount the relationship between PCE detections on-site and the PCE and daughter product detected in the drinking water wells off-site [170].

SURFACE WATER PATHWAY

The Leeds Metal property is located within the Androscoggin River drainage basin [29]. Based on site topography and on-site observations, stormwater runoff/overland flow infiltrates into the ground and flows south-southeast to a wetland area associated with an Unnamed Stream as well as southwest to the Dead River No. 2 [1, pp. 9-10; 29]. The Leeds Metal property is located within a 500-year floodplain [28].

START has identified six surface water pathways (SWPs) for the Leeds Metal property. The most upstream probable point of entry (PPE No. 1) to 15-mile downstream SWP No. 1 is located approximately 600 feet south-southeast from the Leeds Metal property, along the Unnamed Stream and associated wetland. The most downstream PPE for SWP No. 1 (PPE No. 1A) is located 0.15 miles downstream of PPE No. 1; therefore, SWP No. 1 extends 15.15 miles from PPE No. 1. From PPE No. 1, SWP No. 1 flows through the following surface water bodies (length of surface water body traveled in parentheses): Unnamed Stream (0.57 miles); Bonny Pond (0.28 miles); Bog Brook (4.67 miles); Androscoggin Lake (2.81 miles); Dead River No. 1 (6.67 miles); and Androscoggin River (0.15 miles). The 15-mile downstream SWP No. 1 terminus is located along the Dead River No. 1, in Livermore, ME, downstream of the confluence of the Dead River No. 1 and the Androscoggin River (Figure 6) [8; 11; 12; 29].

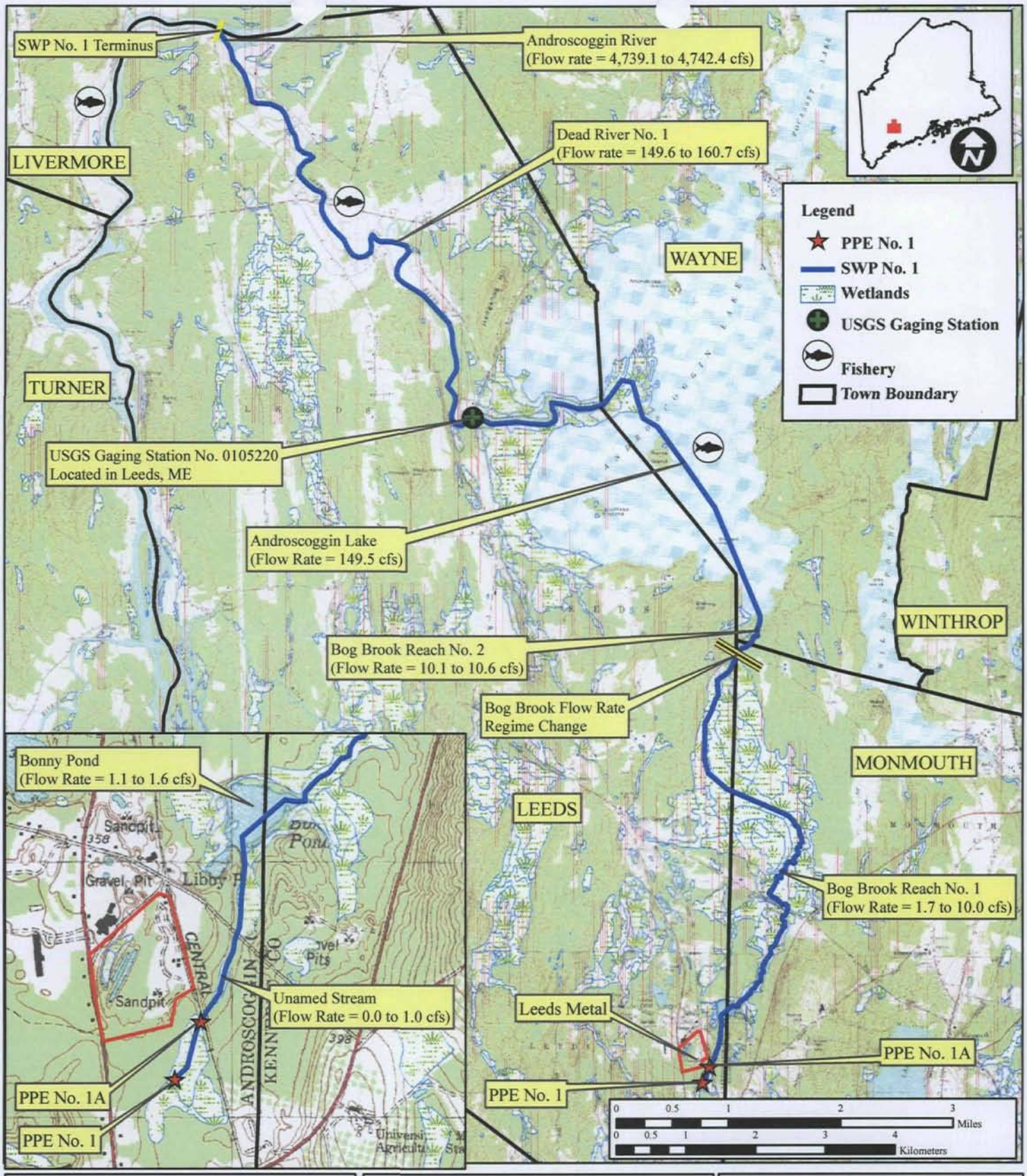

Figure 6

Surface Water Pathway No. 1

Leeds Metal
Blue Rock Road
Leeds, Maine

EPA Region I
Superfund Technical Assessment and Response Team (START) III
Contract No. EP-W-05-042

TDD Number:	09-05-0004
Created by:	G. Hornok
Created on:	19 January 2010
Modified by:	G. Hornok
Modified on:	19 August 2011

Data Sources:
Topos: MicroPath/USGS
All other data: START, ME DEP GIS

WESTON SOLUTIONS
Restoring Resource Efficiency

Based on observations of groundwater-to-surface-water flow, and the Maine Office of Geographical Information Systems (ME GIS) pond watershed data layer, an additional surface water pathway (SWP No. 2) exists south and south-southwest of the property. Surface water from the Leeds Metal property infiltrates the ground surface, flows southwest via groundwater, and emerges to the ground surface via groundwater seeps prior to flowing into the Dead River No. 2. Therefore, the most upstream PPE for SWP No. 2 (PPE No. 2) is located along Dead River No. 2, southwest of the Leeds Metal property. In addition, groundwater feeds the Unnamed Intermittent Stream, located south of the Leeds Metal property, which joins SWP No. 2 at the most downstream PPE (PPE No. 2A). PPE No. 2A is located 1.28 miles downstream of PPE No.2, along Dead River No. 2. Therefore, SWP No. 2 extends 16.28 miles from PPE No. 2. From PPE No. 2, SWP No. 2 flows along the following surface water bodies (length of surface water body traveled in parentheses): Dead River No. 2 Reaches 1 and 2 (7.15 miles); Sabattus Pond (3.93 miles); and the Sabattus River (5.20 miles). The 15-mile downstream terminus for SWP No. 2 is located along the Sabattus River in Sabattus, ME (Figure 7) [8; 13; 29].

The third surface water pathway (SWP No. 3) for the Leeds Metal property consists of an isolated wetland located on the northwestern portion of the Leeds Metal property. There are an infinite number of PPEs associated with this on-site wetland. In addition, the fourth, fifth, and sixth surface water pathways each consist of an isolated surface water pathway. These include an on-site pond (SWP No. 4), and each of the two surface water lagoons located in the northwestern portion of the property (SWP Nos. 5 and 6) (see Figure 2 for surface water bodies associated with SWP Nos. 3 through 6).

Water flows overland and/or migrates via groundwater to surface water within SWP Nos. 4, 5, and 6. There are an infinite number of PPEs associated with the on-site surface water bodies constituting SWP Nos. 4, 5, and 6 [29]. START will not evaluate SWP Nos. 4 through 6 as part of this report, as no targets are present along these pathways. SWP Nos. 1, 2, and 3 are discussed in this section of this report.

Surface water and groundwater flow from the property is generally to the south, toward SWP No. 1 and PPE No. 1 (the most upstream PPE for SWP No. 1, located along the Unnamed Stream). There are no USGS gauging stations located along the Unnamed Stream along SWP No. 1. Therefore, START utilized the ME GIS pond watershed data layer to determine the flow rate of the Unnamed Stream. A shapefile was provided by ME GIS that outlined major drainage basin areas. These larger drainage basin areas were further subdivided utilizing the ArcMap 9.1 shape figure tool, and the associated areas were calculated. The drainage basin area at PPE No. 1A (the most downstream PPE for SWP No. 1), located along the Unnamed Stream, is 0.11 square miles (mi^2). There are no additional appreciable surface water sources discharging to Bonny Pond or Bog Brook. Therefore, START assumes that the flow rate along these three surface water bodies increases at a uniform rate. The drainage area at the point along Bog Brook at its confluence with Androscoggin Lake, located 5.37 miles downstream of PPE No. 1A, is 5.87 mi^2. Using the USGS conversion factor of 1.8 cubic feet per second per square mile (cfs/mi^2), the flow rates are 0.2 to 1.0 cfs for the Unnamed Stream; 1.1 to 1.6 cfs for Bonny Pond; 1.7 to 10.0 cfs for Bog Brook Reach No. 1; and 10.1 to 10.6 cfs for Bog Brook Reach No. 2 [8; 12; 29; 145]. The portion of SWP No. 1 along Bog Brook consists of two separate reaches (Reach No. 1 and Reach No. 2), due to the change in flow regimes from a minimal stream (0 to 10 cfs) to a small-to-moderate stream (10 to 100 cfs).

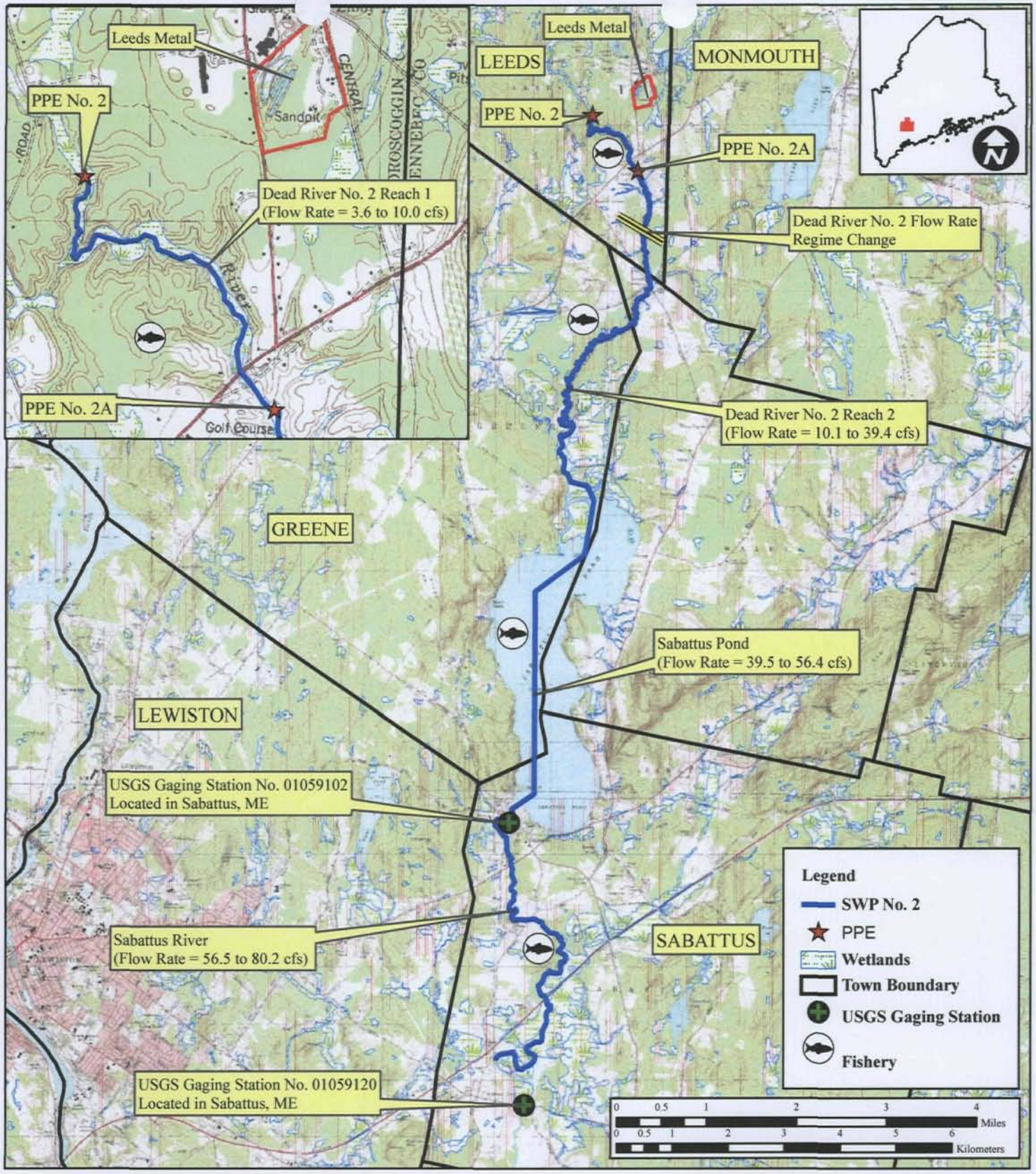

Figure 7

Surface Water Pathway No. 2

Leeds Metal
Blue Rock Road
Leeds, Maine

EPA Region 1
Superfund Technical Assessment and Response Team (START) III
Contract No. EP-W-05-042

TDD Number:	09-05-0004
Created by:	G. Hornok
Created on:	19 January 2010
Modified by:	G. Hornok
Modified on:	19 August 2011

Data Sources:
Topos: MicroPath/USGS
All other data: START, ME DEP GIS

WESTON SOLUTIONS
Restoring Resource Efficiency

There are no USGS gauging stations located at the confluence of Androscoggin Lake with the Dead River No. 1. START utilized the ME GIS pond watershed data layer to determine the flow rate of Androscoggin Lake at its confluence with Dead River No. 1. Since there is one surface water outlet to Androscoggin Lake, START assumes that the flow rate at the confluence of Androscoggin Lake with Dead River No. 1 is uniform throughout the entire lake. The drainage area at the terminus of Androscoggin Lake is 83.05 mi^2; therefore, using the USGS conversion factor of 1.8 cfs/mi^2, the flow rate for Androscoggin Lake is 149.5 cfs [12; 29; 145].

There is one USGS gauging station located along the Dead River No. 1 (Station ID No. 0105220, located in Leeds, ME). This station was not utilized in the flow rate calculation due to its close proximity (<0.20 miles) to the terminus of Androscoggin Lake. Therefore, START utilized the ME GIS pond watershed data layer to determine the flow rate of the Dead River No. 1 at its confluence with the Androscoggin River. There are no appreciable surface water sources discharging to Dead River No. 1. Therefore, START assumes that the flow rate along this surface water body increases at a uniform rate. The drainage area at the terminus of Dead River No. 1 is 89.28 mi^2; therefore, using the USGS conversion factor of 1.8 cfs/mi^2, the flow rate for Dead River No. 1 is 149.6 to 160.7 cfs [11; 12; 29; 145].

USGS Gauging Station ID No. 01056600 is located along the Androscoggin River in Auburn, ME, approximately 22.13 miles downstream of the point where the Dead River No. 1 discharges to the Androscoggin River. At this gauging station, the Androscoggin River has a drainage area of 2,907 mi^2. Using the USGS conversion factor of 1.8 cfs/mi^2, the Androscoggin River has an estimated flow rate of 5,232.6 cfs at this gauging station. A second gauging station, USGS Gauging Station No. 01055100, is located along the Androscoggin River in Jay, ME, approximately 11.69 miles upstream of the point where the Dead River No. 1 discharges to the Androscoggin River. At this gauging station, the Androscoggin River has a drainage area of 2,488 mi^2. Using the USGS conversion factor of 1.8 cfs/mi^2, the Androscoggin River has an estimated flow rate of 4,478.4 cfs at this gauging station. The two USGS gauging stations are located approximately 33.82 miles apart. Interpolating between the two stations, it is estimated that the flow rate of the Androscoggin River increases by 22.3 cfs per mile. Extrapolating from the two gauging stations, it is estimated that the flow rate of the Androscoggin River, at the point where the Dead River No. 1 discharges to the Androscoggin River, is 4,739.1 cfs; and the flow rate at the terminus of the 15-mile downstream SWP No. 1, 0.15 miles downstream of the confluence of the Dead River No. 1 and the Androscoggin River, is 4,742.4 cfs [11; 29; 145].

There are no USGS gauging stations located along the Dead River No. 2. Therefore, START utilized the ME GIS pond watershed data layer to determine the flow rate of the Dead River No. 2, and used the drainage basin area shapefile provided by ME GIS to calculate the Dead River No. 2 drainage basin area. The drainage area for the Dead River No. 2 at PPE No. 2 is 2.94 mi^2. At the confluence of the Unnamed Intermittent Stream and the Dead River No. 2 (PPE No. 2A), located 1.28 miles downstream of PPE No. 2, the drainage area is 3.30 mi^2. There are no appreciable surface water sources to the Dead River No. 2 prior to the point 2.90 miles downstream of PPE No. 2. Therefore, START assumes that the flow rate along this surface water body increases uniformly to this point (the ME GIS drainage basin area indicated a large drainage divide as this point). The drainage area along the Dead River No. 2, 2.90 miles downstream of PPE No. 2, is 8.44 mi^2. The drainage basin area at the confluence of the Dead River No. 2 and Sabattus Pond is 39.4 mi^2. Using the USGS conversion factor of 1.8 cfs/mi^2, the flow rate for the Dead River No. 2 Reach 1 is 3.6 to 10.0 cfs, and the flow rate for the Dead River No. 2 Reach 2 is 10.1 to 39.4 cfs [8; 13; 29; 145].

There are no USGS gauging stations located at the confluence of Sabattus Pond with the Sabattus River. START utilized the ME GIS pond watershed data layer to determine the flow rate of Sabattus Pond at its confluence with the Sabattus River. Since there are no significant surface water sources discharging to Sabattus Pond, START assumes that the flow rate along Sabattus Pond increases at a uniform rate along this length (3.87 miles) of SWP No. 2. The drainage area at the confluence of Sabattus Pond and the Sabattus River is 31.34 mi^2; therefore, using the USGS conversion factor of 1.8 cfs/mi^2, the flow rate for Sabattus Pond is 39.5 to 56.6 cfs [8; 13; 29; 145].

USGS Gauging Station ID No. 01059102 is located along the Sabattus River in Sabattus, ME, approximately 11.27 miles downstream of PPE No. 2. At this gauging station (ID No. 01059102), the Sabattus River has a drainage area of 34.20 mi^2. Using the USGS conversion factor of 1.8 cfs/mi^2, the Sabattus River has an estimated flow rate of 61.6 cfs at this gauging station. A second gauging station, USGS Gauging Station ID No. 01059120, is located along the Sabattus River near Robinson Corner, ME, approximately 16.82 miles downstream of PPE No. 2. At this gauging station (ID No. 01059120), the Sabattus River has a drainage area of 47.90 mi^2. Using the USGS conversion factor of 1.8 cfs/mi^2, the Sabattus River has an estimated flow rate of 86.2 cfs at this gauging station. The two USGS gauging stations are located approximately 5.55 miles apart. Interpolating between the two locations, it is estimated that the flow rate of the Sabattus River increases by 4.4 cfs per mile. Extrapolating from the two gauging stations, it is estimated that the flow rate of the Sabattus River at its confluence with Sabattus Pond is 56.5 cfs; and the flow rate at the terminus of the 15-mile downstream SWP No. 2, located 5.2 miles downstream of the terminus of Sabattus Pond, is 83.6 cfs [8; 13; 29; 145].

START assumes that the flow rate for SWP No. 3 is greater than 0 but less than 10.0 cfs [29].

Table 13 summarizes the surface water bodies and flow characteristics for SWP Nos. 1 through 3.

Table 13

Surface Water Bodies Along the 15-Mile Downstream Surface Water Pathways from Leeds Metal

Surface Water Body	Descriptor[a]	Length of Reach (miles)	Flow Characteristics (cfs)[b]	Length of Wetlands (miles)
Surface Water Pathway No. 1				
Unnamed Stream	Minimal Stream	0.57	0.0 to 1.0	0.76
Bonny Pond	Minimal Stream	0.28	1.1 to 1.6	0.50
Bog Brook Reach No. 1	Minimal Stream	4.45	1.7 to 10.0	8.38
Bog Brook Reach No. 2	Small to moderate stream	0.22	10.1 to 10.6	0.36
Androscoggin Lake	Small to moderate stream	2.81	149.5	8.01
Dead River No. 1	Moderate to large stream	6.67	149.6 to 160.7	0.99
Androscoggin River	Large stream to river	0.15	4,739.1 to 4,742.4	0.00

Table 13

Surface Water Bodies Along the 15-Mile Downstream Surface Water Pathways from Leeds Metal (Concluded)

Surface Water Body	Descriptor[a]	Length of Reach (miles)	Flow Characteristics (cfs)[b]	Length of Wetlands (miles)
Surface Water Pathway No. 2				
Dead River No. 2 Reach No. 1	Minimal Stream	2.00	3.6 to 10.0	6.17
Dead River No. 2 Reach No. 2	Small to moderate stream	5.15	10.1 to 39.4	6.59
Sabattus Pond	Small to moderate stream	3.93	39.5 to 56.4	3.3
Sabattus River	Small to moderate stream	5.20	56.5 to 80.2	6.60
Surface Water Pathway No. 3				
On-site Isolated Wetland	Minimal Stream	0.3	< 10.0	0.6

[a] Minimal stream <10 cfs; small to moderate stream 10-100 cfs; moderate to large stream >100-1,000; large stream to river 1,000-10,000 cfs.
[b] Cubic feet per second.

[8; 11-13; 29; 145]

No known surface water drinking water intakes are located along SWP No. 1 and SWP No. 2 from the Leeds Metal property [23]. According to the Maine Department of Inland Fisheries and Wildlife, Androscoggin Lake, Dead River No. 1, the Androscoggin River, Dead River No. 2 (Reaches No. 1 and 2), Sabattus Pond, and the Sabattus River are designated as recreational fisheries [79-81; 86]. Approximately 19.0 miles of wetland frontage and one Clean Water Act (CWA)-protected water body are located along SWP No. 1. Approximately 22.7 miles of wetlands frontage, one State-endangered species habitat, and one CWA-protected water body are located along SWP No. 2 [8; 11-13; 29; 33-34]. Table 14 summarizes sensitive environments along SWP Nos. 1 through 3 from the Leeds Metal property.

Table 14

Sensitive Environments Along the 15-Mile Downstream Surface Water Pathway from Leeds Metal

Sensitive Environment Name	Sensitive Environment Type	Surface Water Body	Downstream Distance from PPE	Flow rate at Environment (cfs)[a]
Surface Water Pathway No. 1				
Unnamed Stream	Clean Water Act-protected water body	Unnamed Stream	0 to 0.57 miles	0.0 to 1.0

Table 14

Sensitive Environments Along the 15-Mile Downstream Surface Water Pathway from Leeds Metal (Concluded)

Sensitive Environment Name	Sensitive Environment Type	Surface Water Body	Downstream Distance from PPE	Flow rate at Environment (cfs)[a]
Surface Water Pathway No. 1				
Unnamed Stream Wetlands	Wetlands (approximately 0.76 miles)	Unnamed Stream	0 to 0.57 miles	0.0 to 1.0
Bonny Pond Wetlands	Wetlands (approximately 0.50 miles)	Bonny Pond	0.57 to 0.85 miles	1.1 to 1.6
Bog Brook (Reach 1) Wetlands	Wetlands (approximately 8.38 miles)	Bog Brook (Reach 1)	0.86 to 5.30 miles	1.7 to 10.0
Bog Brook (Reach 2) Wetlands	Wetlands (approximately 0.36 miles)	Bog Brook (Reach 2)	5.30 to 5.52 miles	10.1 to 10.6
Androscoggin Lake Wetlands	Wetlands (approximately 8.01 miles)	Androscoggin Lake	5.52 to 8.33 miles	149.5
Dead River No. 1 Wetlands	Wetlands (approximately 0.99 miles)	Dead River No. 1	8.33 to 15.00 miles	149.6 to 160.7
Surface Water Pathway No. 2				
Dead River No. 2 (Reach 1)	Clean Water Act-protected water body	Dead River No. 2 (Reach 1)	0 to 3.56 miles	3.6 to 10.0
Dead River No. 2 (Reach 1) Wetlands	Wetlands (approximately 6.17 miles)	Dead River No. 2 (Reach 1)	0 to 3.56 miles	3.6 to 10.0
Dead River No. 2 (Reach 2) Wetlands	Wetlands (approximately 6.59 miles)	Dead River No. 2 (Reach 2)	3.57 to 7.15 miles	10.1 to 39.4
Sabattus Pond Wetlands	Wetlands (approximately 3.3 miles)	Sabattus Pond	7.16 to 11.08 miles	39.5 to 56.4
State-endangered species habitat	Least Bittern	Sabattus Pond	7.16 to 7.44 miles	39.5 to 40.7
Sabattus River Wetlands	Wetlands (approximately 6.60 miles)	Sabattus River	10.59 to 16.28 miles	56.5 to 80.2
Surface Water Pathway No. 3				
On-site Isolated Wetland	Wetlands (approximately 0.60 miles)	On-site Isolated Wetland	0.0	<10.0

[a] Cubic feet per second

PPE = Probable Point of Entry. No. = Number.

[8; 11-13; 29; 33-34; 145]

On 27 November 2000, on behalf of MCRC and as part of a Shallow Groundwater Investigation, ERM collected sediment and surface water samples from three locations on and around the Leeds Metal property. Sediment and surface water samples were collected from the following locations [sediment (SS) and surface water (SW) sample locations in parentheses]: the on-site pond located in the central portion of the property (SS-1 and SW-1); the lagoon areas located on the northwestern portion of the property (SS-3 and SW-3); and the wetland area located south of the Leeds Metal property (SS-2 and SW-2). Background sediment and surface water samples were not collected as part of this investigation. All sediment and surface water samples were submitted to Alpha Analytical for VOC, PCB, total RCRA 8 metals, and DRO analyses. Analytical results of the sediment samples indicated the presence of two VOCs, one PCB, five RCRA 8 total metals, and DRO above laboratory RLs (maximum concentration and sample location in parentheses): acetone (92 µg/Kg in SS-1); PCE (9.5 µg/Kg in SS-1); Aroclor-1260 (481 µg/Kg in SS-3); arsenic (5.3 mg/Kg in SS-3); barium (62 mg/Kg in SS-3); cadmium (4.6 mg/Kg in SS-3); chromium (24 mg/Kg in SS-3); lead (180 mg/Kg in SS-3); and DRO (424 mg/Kg in SS-3). Analytical results of the surface water samples indicated the presence of the following VOC and five RCRA 8 total metals, each detected at a maximum concentration in surface water sample SW-2: toluene (2.0 µg/L); barium (0.37 mg/L); cadmium (0.014 mg/L); chromium (0.07 mg/L); lead (0.61 mg/L); and mercury (0.0007 mg/L) [69, pp. 4-6, Table 2, Table 3]. As no background samples were collected as part of the ERM investigations, and additional sediment and surface water samples were collected more recently as part of the 2010 EPA Site Assessment Site Inspection, START has not used the 2000 ERM sample results to document a release to downstream surface water bodies.

On 8, 9, 15, and 16 November 2010, as part of the EPA Site Assessment Site Inspection, START personnel collected 34 sediment samples, including two field duplicates, from surface water bodies on and around the Leeds Metal property.

START personnel collected sediment samples SD-11 through SD-18, SD-24, SD-28, and SD-33 from SWP No. 1, located south and east of the Leeds Metal property, to determine if a release of hazardous substances associated with source areas on the Leeds Metal property has occurred. START personnel collected sediment samples SD-23, SD-25 through SD-27, SD-29, SD-31, and SD-34 from SWP No. 2, located south and southwest of the Leeds Metal property, to determine if a release of hazardous substances associated with source areas on the Leeds Metal property has occurred. Sediment samples collected from SWP No.3, the on-site wetland, included SD-05, SD-06, and SD-30. On-site sediment samples collected from SWP Nos. 4, 5, and 6 included the following samples: SD-07 through SD-09, collected from the on-site lagoons; and SD-10 and field duplicate SD-32, collected from the on-site pond. Sediment samples SD-01 and SD-02 were collected from Island Pond, located northwest of the Leeds Metal property, to document pond background sediment conditions. Sediment samples SD-03 and SD-04 were collected from a wetland area off of Blue Rock Road, located east of the Leeds Metal property, to document wetland background sediment conditions. Sediment samples SD-19 through SD-22 were collected from upstream locations along the Dead River No. 2, and from an upstream tributary to Dead River No. 2, to document stream background sediment conditions. The concentrations detected in sediment samples collected from each surface water body type (stream, pond, and wetland) were compared to the highest concentrations detected among sediment samples collected from corresponding reference surface water bodies [1, pp. 21-48; 115, pp. 2-7, 29-48; 116, pp. 2-11].

Sediment samples SD-01, SD-03, SD-05 through SD-19, SD-21, and SD-23 through SD-34 were submitted to CLP Laboratories for VOC, PCB, and total metals analyses. Sediment samples SD-

02, SD-04, SD-20, and SD-22 were submitted to a CLP Laboratory for total metals analysis only [1, pp. 21-48; 109-112; 115, pp. 2-7, 29-48; 116, pp. 2-11].

Table 15 summarizes the sediment samples collected by START personnel on 8, 9, 15, and 16 November 2010.

Table 15

Sediment Sample Summary: Leeds Metal
Samples Collected by START on 8, 9, 15, and 16 November 2010

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Sediment					
SD-01	A3T67 MA3T67	11/16/10 1000	Grab	0 to 1	Sediment sample collected using a hand auger from Island Pond, northwest of the Leeds Metal property, to document background/reference pond sediment conditions for comparison purposes. The material was dark brown, SANDY SILT and ORGANIC MATTER, some clay, trace gravel, saturated. Cond. (µS/cm) = 42.4; Temp. (°C) = 7.0; Turbidity (NTU) = 0.42; pH (meter) = 7.26; PID/FID (units) = 24/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = Slight organic decay odor 44° 14′ 35.55″ North Latitude 70° 05′ 11.54″ West Longitude
SD-02	MA3T68	11/16/10 1010	Grab	0 to 1	Sediment sample collected using a hand auger from Island Pond, northwest of the Leeds Metal property, to document background/reference pond sediment conditions for comparison purposes (total metals analysis only). The material was dark brown, SANDY SILT and ORGANIC MATTER, some clay, trace gravel, saturated. Cond. (µS/cm) = 42.4; Temp. (°C) = 7.0; Turbidity (NTU) = 0.42; pH (meter) = 7.26; PID/FID (units) = 24/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = Slight organic decay odor 44° 14′ 35.86″ North Latitude 70° 05′ 11.29″ West Longitude

Table 15

Sediment Sample Summary: Leeds Metal
Samples Collected by START on 8, 9, 15, and 16 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Sediment (Continued)					
SD-03	A3T69 MA3T69	11/16/10 1215	Grab	0 to 1	Sediment sample collected using a hand auger from a wetland area located along Blue Rock Road, east of the Leeds Metal property, to document background wetland sediment conditions for comparison purposes. The material was dark brown, SILT and CLAY, major organic material, trace fine-to-medium sand, saturated. Cond.(µS/cm) = 41.7; Temp. (°C) = 6.0; Turbidity (NTU) = 1.28; pH (meter) = 6.02; PID/FID (units) = 17/0; CGI/O_2 = 0/20.9; Color (water) = Yellow; Other = None 44° 14′ 15.45″ North Latitude 70° 04′ 24.04″ West Longitude
SD-04	MA3T70	11/16/10 1220	Grab	0 to 1	Sediment sample collected using a hand auger from a wetland area located along Blue Rock Road, east of the Leeds Metal property, to document background wetland sediment conditions for comparison purposes (total metals analysis only). The material was dark brown, SILT and CLAY, major organic material, trace fine-to-medium sand, saturated. Cond. (µS/cm) = 41.7; Temp. (°C) = 6.0; Turbidity (NTU) = 1.28; pH (meter) = 6.02; PID/FID (units) = 17/0; CGI/O_2 = 0/20.9; Color (water) = yellow; Other = None 44° 14′ 15.45″ North Latitude 70° 04′ 24.04″ West Longitude
SD-05 (MS/MSD)	A3T71 MA3T71	11/9/10 1130	Grab	0 to 0.8	Sediment sample collected using a hand auger from the wetland located on the northwestern portion of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was brown, fine-to-medium SAND, some silt, little organics, trace fine-to-coarse gravel, trace clay. Cond. (µS/cm) = 87.1; Temp. (°C) = 7.8; Turbidity (NTU) = 5.28; pH (meter) = 6.81; PID/FID (units) = 14/2; CGI/O_2 = 0/21.0; Color (water) = Brown; Other = Strong organic decay odor 44° 14′ 14.71″ North Latitude 70° 04′ 56.88″ West Longitude

Table 15

Sediment Sample Summary: Leeds Metal
Samples Collected by START on 8, 9, 15, and 16 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Sediment (Continued)					
SD-06	A3T72 MA3T72	11/9/10 1204	Grab	0 to 1	Sediment sample collected using a hand auger from the wetland located on the northwestern portion of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was dark brown, organic-rich SAND and SILT, trace fine-to-coarse gravel, trace clay, saturated. Cond. (µS/cm) = 75.0; Temp. (°C) = 7.3; Turbidity (NTU) = 1.49; pH (meter) = 6.98; PID/FID (units) = 20/1; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = Organic decay odor 44° 14′ 16.76″ North Latitude 70° 04′ 56.98″ West Longitude
SD-07	A3T73 MA3T73	11/9/10 1025	Grab	1 to 1.5	Sediment sample collected using a hand auger from the southern lagoon located on the northwestern portion of the Leeds Metal property, adjacent to an abandoned 55-gallon steel drum, to determine if a release of hazardous substances had occurred. The material was brown-to-dark brown, fine-to-coarse SAND and SILT, trace fine gravel, trace clay, trace organic matter. Cond. (µS/cm) = 91.9; Temp. (°C) = 7.3; Turbidity (NTU) = 2.74; pH (meter) = 6.95; PID/FID (units) = 9/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = Organic decay odor 44° 14′ 09.79″ North Latitude 70° 04′ 56.98″ West Longitude
SD-08	A3T74 MA3T74	11/9/10 1105	Grab	0 to 0.7	Sediment sample collected using a hand auger from the northern lagoon located on the northwestern portion of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was dark brown, fine-to-medium SAND, some organic matter, little fine gravel, trace clay. Cond. (µS/cm) = 94.5; Temp. (°C) = 6.5; Turbidity (NTU) = 2.00; pH (meter) = 7.1; PID/FID (units) = 42/4; CGI/O_2 = 0/21.1; Color (water) = Brown; Other = Petroleum odor and slight sheen 44° 14′ 14.18″ North Latitude 70° 04′ 55.48″ West Longitude

Table 15

Sediment Sample Summary: Leeds Metal
Samples Collected by START on 8, 9, 15, and 16 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Sediment (Continued)					
SD-09	A3T75 MA3T75	11/9/10 0950	Grab	0.5 to 1	Sediment sample collected using a hand auger from the southern lagoon located on the northwestern portion of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was dark brown, fine SAND and SILT, trace medium-to-coarse sand, trace fine trace gravel, trace clay, trace organics, saturated. Cond. (µS/cm) = 131.5; Temp. (°C) = 5.9; Turbidity (NTU) = 4.15; pH (meter) = 7.81; PID/FID (units) = 14/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = None 44° 14′ 16.34″ North Latitude 70° 04′ 53.18″ West Longitude
SD-10	A3T76 MA3T76	11/9/10 1240	Grab	0 to 0.7	Sediment sample collected using a hand auger from the eastern side of the on-site pond located in the central portion of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was brown, SILT, trace fine-to-coarse sand, trace fine gravel, trace organics, trace clay, trace debris (wire coating). Cond. (µS/cm) = 176.6; Temp. (°C) = 6.0; Turbidity (NTU) = 4.56; pH (meter) = 7.45; PID/FID (units) = 0/0; CGI/O_2 = 0/21.1; Color (water) = Clear; Other = Organic decay odor 44° 14′ 13.27″ North Latitude 70° 04′ 49.90″ West Longitude
SD-11	A3T77 MA3T77	11/15/10 1605	Grab	0 to 0.7	Sediment sample collected using a hand auger from the wetland area located south of (adjacent to) the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was brown, SILT and CLAY, trace organics, trace fine-to-coarse sand, trace fine gravel, saturated. Cond. (µS/cm) = 22.7; Temp. (°C) = 6.3; Turbidity (NTU) = 16.9; pH (meter) = 5.58; PID/FID (units) = 34/0; CGI/O_2 = 0/20.9; Color (water) = Brown; Other = None 44° 14′ 01.69″ North Latitude 70° 04′ 44.61″ West Longitude

Table 15

Sediment Sample Summary: Leeds Metal
Samples Collected by START on 8, 9, 15, and 16 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Sediment (Continued)					
SD-12	A3T78 MA3T78	11/15/10 1545	Grab	0 to 0.5	Sediment sample collected using a hand auger from the wetland area located south of (adjacent to) the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was brown, SILT and CLAY, little fine sand, trace organic matter, saturated. Cond. (µS/cm) = 24.1; Temp. (°C) = 5.3; Turbidity (NTU) = 97; pH (meter) = 4.24; PID/FID (units) = 5/0; CGI/O_2 = 0/20.9; Color (water) = Brown; Other = Swampy 44° 14′ 04.21″ North Latitude 70° 04′ 43.39″ West Longitude
SD-13	A3T79 MA3T79	11/15/10 1515	Grab	0.5 to 1	Sediment sample collected using a hand auger from wetland area located south/adjacent to the Leeds Metal property, along the western side of the railroad tracks, to determine if a release of hazardous substances had occurred. The material was greenish-brown, fine SAND and SILT, trace clay, organics, and medium sand, saturated. Cond. (µS/cm) = 22.0; Temp. (°C) = 7.3; Turbidity (NTU) = 0.54; pH (meter) = 5.43; PID/FID (units) = 30/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = Organic/swamp 44° 14′ 07.48″ North Latitude 70° 04′ 41.69″ West Longitude
SD-14	A3T80 MA3T80	11/15/10 1400	Grab	0 to 1	Sediment sample collected using a hand auger from a downstream location along the Unnamed Stream, along the eastern side of the railroad tracks, to determine if a release of hazardous substances had occurred. The material was brown-to-dark-brown, fine SAND and SILT, little clay, little organic matter, trace medium-to-coarse sand, saturated. Cond. (µS/cm) = 46.3; Temp. (°C) = 8.2; Turbidity (NTU) = NR; pH (meter) = 5.95; PID/FID (units) = 26/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = Sheen noted 44° 14′ 08.95″ North Latitude 70° 04′ 39.95″ West Longitude

Table 15

Sediment Sample Summary: Leeds Metal
Samples Collected by START on 8, 9, 15, and 16 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Sediment (Continued)					
SD-15	A3T81 MA3T81	11/15/10 1330	Grab	0 to 0.5	Sediment sample collected using a hand auger from a downstream location along the Unnamed Stream, east of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was dark-brown-to-black, SILT and CLAY, organic-rich, saturated. Cond. (µS/cm) = 33.9; Temp. (°C) = 5.6; Turbidity (NTU) = 2.79; pH (meter) = 5.98; PID/FID (units) = 9/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = None 44° 14′ 15.66″ North Latitude 70° 04′ 35.83″ West Longitude
SD-16	A3T82 MA3T82	11/15/10 1230	Grab	0 to 0.5	Sediment sample collected using a hand auger from a downstream location along the Unnamed Stream, adjacent to a culvert which directs surface water below Blue Rock Road, to determine if a release of hazardous substances had occurred. The material was light brown-to-brown, SAND, little fine-to-coarse gravel, trace silt, trace clay, trace debris (asphalt), saturated. Cond. (µS/cm) = 17.7; Temp. (°C) = 5.6; Turbidity (NTU) = 3.48; pH (meter) = 5.69; PID/FID (units) = 14/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = None 44° 14′ 19.46″ North Latitude 70° 04′ 34.06″ West Longitude
SD-17	A3T83 MA3T83	11/15/10 1200	Grab	0 to 0.5	Sediment sample collected using a hand auger from a downstream location along the Unnamed Stream, northeast of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was dark-brown-to-black, organic-rich, SILT and CLAY, saturated. Cond. (µS/cm) = 25.1; Temp. (°C) = 5.9; Turbidity (NTU) = 3.12; pH (meter) = 6.01; PID/FID (units) = 23/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = None 44° 14′ 24.56″ North Latitude 70° 04′ 33.77″ West Longitude

Table 15

Sediment Sample Summary: Leeds Metal
Samples Collected by START on 8, 9, 15, and 16 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Sediment (Continued)					
SD-18	A3T84 MA3T84	11/15/10 1140	Grab	0 to 0.5	Sediment sample collected using a hand auger from Bonny Pond, downstream of the confluence with the Unnamed Stream and northeast of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was dark brown-to-black, SILT and CLAY, major organic matter. Cond. (µS/cm) = 24.8; Temp. (°C) = 5.5; Turbidity (NTU) = 2.41; pH (meter) = 6.48; PID/FID (units) = 23/1; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = Sulfur odor and organic odor 44° 14′ 29.05″ North Latitude 70° 04′ 33.22″ West Longitude
SD-19	A3T85 MA3T85	11/8/10 1535	Grab	0.5 to 0.7	Sediment sample collected using a hand auger from a tributary converging with the Dead River No. 2, southwest of the Leeds Metal property, to document reference stream sediment conditions for comparison purposes. The material was dark brown, SILT and CLAY, major organic matter. Cond. (µS/cm) = 151.1; Temp. (°C) = 8.4; Turbidity (NTU) = 1.09; pH (meter) = 7.36; PID/FID (units) = 20/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = Organic decay odor 44° 13′ 47.83″ North Latitude 70° 05′ 07.22″ West Longitude
SD-20	MA3T86	11/8/10 1535	Grab	0.5 to 0.7	Sediment sample collected using a hand auger from a tributary converging with the Dead River No. 2, southwest of the Leeds Metal property, to document reference stream sediment conditions for comparison purposes (total metals analysis only). The material was dark brown, major ORGANIC MATTER, silt and clay. Cond. (µS/cm) = 151.1; Temp. (°C) = 8.4; Turbidity (NTU) = 1.09; pH (meter) = 7.36; PID/FID (units) = 20/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = Organic decay odor 44° 13′ 47.83″ North Latitude 70° 05′ 07.22″ West Longitude

Table 15

Sediment Sample Summary: Leeds Metal
Samples Collected by START on 8, 9, 15, and 16 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Sediment (Continued)					
SD-21	A3T87 MA3T87	11/8/10 1450	Grab	0.5 to 1	Sediment sample collected using a hand auger from an upstream location along the Dead River No. 2, west of the Leeds Metal property, to document reference stream sediment conditions for comparison purposes. The material was brown-to-dark brown, fine SAND and SILT, trace organic matter, trace clay, saturated. Cond. (µS/cm) = 40.8; Temp. (°C) = 6.0; Turbidity (NTU) = 7.27; pH (meter) = 6.69; PID/FID (units) =2 /0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = None 44° 13′ 53.27″ North Latitude 70° 05′ 12.48″ West Longitude
SD-22	MA3T88	11/8/10 1450	Grab	0.5 to 1	Sediment sample collected using a hand auger from an upstream location along the Dead River No. 2, west of the Leeds Metal property, to document reference stream sediment conditions for comparison purposes (total metals analysis only). The material was brown-to-dark brown, fine SAND and SILT, trace organic matter, trace clay, saturated. Cond. (µS/cm) = 40.8; Temp. (°C) = 6.0; Turbidity (NTU) = 7.27; pH (meter) = 6.69; PID/FID (units) = 2/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = None 44° 13′ 53.27″ North Latitude 70° 05′ 12.48″ West Longitude
SD-23	A3T89 MA3T89	11/8/10 1510	Grab	0.5 to 0.7	Sediment sample collected using a hand auger from immediately beneath a groundwater seep along an intermittent stream, prior to the stream's convergence with the Dead River No. 2 (southwest of the Leeds Metal property), to determine if a release of hazardous substances had occurred. The material was gray, SILT and CLAY, trace organic matter, trace fine-to-medium sand. Cond. (µS/cm) = NR; Temp. (°C) = NR; Turbidity (NTU) = NR; pH (meter) = NR; PID/FID (units) = 13/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = none 44° 13′ 51.22″ North Latitude 70° 05′ 12.48″ West Longitude

Table 15

Sediment Sample Summary: Leeds Metal
Samples Collected by START on 8, 9, 15, and 16 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Sediment (Continued)					
SD-24 (MS/MSD)	A3T90 MA3T90	11/15/10 1555	Grab	0.4 to 1	Sediment sample collected using a hand auger from the northern edge of the wetland area located south of (adjacent to) the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was greenish-gray, CLAY, little silt, trace organic matter. Cond. (µS/cm) = 36.5; Temp. (°C) = 5.9; Turbidity (NTU) = 2.04; pH (meter) = 6.03; PID/FID (units) = 13/0; CGI/O_2 = 0/20.9; Color (water) = Clear, slight brown tint; Other = Gray Sheen 44° 14′ 04.19″ North Latitude 70° 04′ 45.29″ West Longitude
SD-25	A3T91 MA3T91	11/8/10 1319	Grab	0.5 to 0.7	Sediment sample collected using a hand auger from the Dead River No. 2, at its confluence with a groundwater seep (southwest of the Leeds Metal property), to determine if a release of hazardous substances had occurred. The material was greenish-brown-to-dark brown, SILT, little clay, little organic matter, little fine sand. Cond. (µS/cm) = 41.7; Temp. (°C) = 5.7; Turbidity (NTU) = 6.42; pH (meter) = 6.78; PID/FID (units) = 18/0; CGI/O_2 = 21/20.9; Color (water) = Clear; Other = Organic decay odor 44° 13′ 49.45″ North Latitude 70° 05′ 08.03″ West Longitude
SD-26	A3T92 MA3T92	11/8/10 1259	Grab	0.5 to 0.7	Sediment sample collected using a hand auger from a downstream location along the Dead River No. 2, southwest of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was brown-to-dark greenish-brown, SILT, little fine sand, trace clay, saturated. Cond. (µS/cm) = 43.8; Temp. (°C) = 5.6; Turbidity (NTU) = 8.81; pH (meter) = 6.66; PID/FID (units) = 24/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = None 44° 13′ 47.73″ North Latitude 70° 05′ 06.39″ West Longitude

Table 15

Sediment Sample Summary: Leeds Metal
Samples Collected by START on 8, 9, 15, and 16 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Sediment (Continued)					
SD-27	A3T93 MA3T93	11/8/10 1242	Grab	0.5 to 0.7	Sediment sample collected using a hand auger from the most downstream sediment sampling location along the Dead River No. 2, southwest of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was brown-to-dark brown, fine SAND and SILT, little organic matter, trace clay, trace medium-to-coarse sand. Cond. (µS/cm) = 43.7; Temp. (°C) = 5.6; Turbidity (NTU) = 9.95; pH (meter) = 7.41; PID/FID (units) = 5/0; CGI/O_2 = 0/20.9; Color (water) = Brownish tint; Other = None 44° 13′ 45.81″ North Latitude 70° 05′ 05.98″ West Longitude
SD-28	A3T94 MA3T94	11/15/10 1315	Grab	0.5 to 1	Sediment sample collected using a hand auger from the southwestern boundary of the wetland area located south of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was yellow-brown-to-brown, fine SAND and SILT, little clay, trace organic matter, trace medium-to-coarse sand. Cond. (µS/cm) = 77.3; Temp. (°C) = 5.3; Turbidity (NTU) = 0.11; pH (meter) = 6.18; PID/FID (units) = 0/0; CGI/O_2 = 0/20.9; Color (water) = Clear, slight yellow tint; Other = Slight organic decay odor 44° 13′ 58.99″ North Latitude 70° 04′ 46.46″ West Longitude
SD-29	A3T95 MA3T95	11/15/10 1245	Grab	0.5 to 0.7	Sediment sample collected using a hand auger from a surface water channel flowing southwest from the wetland area located south of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was dark brown-to-black, SILT and CLAY, major organic matter, trace fine-to-coarse sand, gelatinous, saturated. Cond. (µS/cm) = 70.5; Temp. (°C) = 6.8; Turbidity (NTU) = 1.12; pH (meter) = 6.2; PID/FID (units) = 16/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = Slight organic decay odor, brown organic debris in water. 44° 13′ 55.30″ North Latitude 70° 04′ 49.12″ West Longitude

Table 15

Sediment Sample Summary: Leeds Metal
Samples Collected by START on 8, 9, 15, and 16 November 2010 (Continued)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Sediment (Continued)					
SD-30	A3T96 MA3T96	11/9/10 1135	Grab	0 to 0.7	Sediment sample collected using a hand auger from the wetland located on the northwestern portion of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was greenish-brown, fine-to-medium SAND, little silt, trace coarse sand, trace organic matter, trace fine gravel, trace clay. Cond. (µS/cm) = NR; Temp. (°C) = NR; Turbidity (NTU) = NR; pH (meter) = NR; PID/FID (units) = 15/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = None 44° 14′ 18.24″ North Latitude 70° 04′ 54.29″ West Longitude
SD-31 (MS/MSD)	A3T97 MA3T97	11/8/10 1420	Grab	0 to 1	Sediment sample collected using a hand auger from a downstream location along the Dead River No. 2, southwest of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was brown-to-greenish brown, SILT, little clay, trace fine sand, trace organic matter. Cond. (µS/cm) = 40.8; Temp. (°C) = 5.9; Turbidity (NTU) = 8.45; pH (meter) = 6.85; PID/FID (units) = 28/0; CGI/O_2 = 0/20.9; Color (water) = Clear; Other = None 44° 13′ 50.87″ North Latitude 70° 05′ 11.23″ West Longitude
SD-32	A3T98 MA3T98	11/9/10 1240	Grab	0 to 0.7	Field duplicate of SD-10, collected for quality control.
SD-33	A3T99 MA3T99	11/15/10 1315	Grab	0.5 to 1	Field duplicate of SD-28, collected for quality control.

Table 15

Sediment Sample Summary: Leeds Metal
Samples Collected by START on 8, 9, 15, and 16 November 2010 (Concluded)

Sample Location No.	Traffic Report No.	Date/ Time (hrs)	Remarks	Sample Depth (ft bgs)	Sample Description/Rationale
MATRIX: Sediment					
SD-34	A3TQ4 MA3TQ4	11/15/10 1140	Grab	0 to 1	Sediment sample collected using a hand auger immediately downstream of a 55-gallon steel drum, within the Unnamed Intermittent Stream located south of the Leeds Metal property, to determine if a release of hazardous substances had occurred. The material was yellowish-brown, fine-to-coarse SAND and SILT, some clay, little fine-to-coarse gravel, saturated. Cond. (µS/cm) = 72.2; Temp. (°C) = 6.3; Turbidity (NTU) = 0.15; pH (meter) = 6.8; PID/FID (units) = 24/0; CGI/O_2 = 0/20.9; Color (water) = Clear, slight yellow tint; Other = None 44° 13′ 45.68″ North Latitude 70° 04′ 50.46″ West Longitude

PID	=	Photoionization Detector.	FID	=	Flame Ionization Detector
NR	=	Not Recorded.	No.	=	Number.
°	=	Degrees.	″	=	Seconds.
′	=	Minutes.	ft	=	Feet.
hrs.	=	Hours (denotes military time).	bgs	=	Below Ground Surface.
Cond.	=	Conductance	µS/cm	=	Micro Siemens per centimeter.
NTU	=	Nephelometric Turbidity Units.	C	=	Celcius
Temp.	=	Temperature	CGI/O_2	=	Combustible Gas Indicator/Oxygen
START	=	Superfund Technical Assessment and Response Team III.			

[1, pp. 21-48; 115, pp. 2-7, 29-48; 116, pp. 2-11]

Complete analytical results of START sediment samples, including quantitation and reporting limits, are presented in *Attachment F* of this report. Sample results qualified with a "J" on analytical tables are considered approximate because of limitations identified during analytical data validation. Sample results qualified with a "U" on analytical tables indicate that the substances were analyzed for, but not detected, and the associated numerical value is the sample- adjusted CRQL. Sample results qualified with a "UJ" on analytical tables indicate that the substances were analyzed for, but not detected. Sample results qualified with a "TB" on analytical tables indicate that the compound was identified in an aqueous trip blank used to assess field contamination associated with sediment samples. Sample results qualified with an "EB" on analytical tables indicate that the compound was detected in an aqueous equipment blank used to assess field contamination associated with sediment samples. Sample results qualified with an "R" on analytical tables were rejected due to failure of one or more quality control parameters identified during data validation [1, pp. 21-48; 109-112; 115, pp. 2-7, 29-48; 116, pp. 2-11].

Complete analytical results of START equipment rinsate, trip, and preservative blank samples, collected by START in accordance with the Site-Specific QAPP for the Region I START Contract, are presented in *Attachment B* of this report [1, pp. 21-48; 109-112; 115, pp. 2-7, 29-48; 116, pp. 2-11].

Table 16 is a summary of organic compounds and inorganic elements detected through CLP analyses of START sediment samples. For each sample location, a substance is listed if it is detected at greater than or equal to three times the highest reference sample's concentration [SD-01, SD-02 (total metals only), SD-03, SD-04 (total metals only), SD-19, SD-20 (total metals only), SD-21, or SD-22 (total metals only)]. However, if a substance is not detected in the reference sample, the reference sample-adjusted CRQL is used as the reference value. These substances are listed if they occurred at a value equal to or greater than the reference sample's sample-adjusted CRQL and are designated by their approximate relative concentration above these values. In addition, Table 16 contains any organic compounds and inorganic elements that were detected in START sediment samples at concentrations exceeding their respective National Oceanic and Atmospheric Administration (NOAA) Screening Quick Reference Tables (SQuiRTs) Threshold Effects Level (TEL) and/or Probable Effects Level (PEL) values for freshwater sediment, but not at concentrations above reference criteria [1, pp. 21-48; 109-112; 115, pp. 2-7, 29-48; 116, pp. 2-11; 149].

The State of ME does not currently have established state sediment standards. Therefore, for comparison purposes only, analytical results of START sediment sample are compared to NOAA SQuiRTs TEL and PEL values for freshwater sediment. NOAA SQuiRTs have two values for comparison (TELs and PELs), which represent the level at which adverse effects to benthic organisms are expected. TELs represent the concentration below which adverse effects are expected to occur only rarely. PELs represent the level above which adverse effects are expected to occur frequently. Screening with conservative, lower-threshold values (*e.g.* TELs) ensure, with a high degree of confidence, that any contamination sources eliminated from future consideration pose no potential threat. Conversely, it does not predict toxicity. Upper threshold values (*e.g.* PELs) identify compounds which are more probably elevated to toxic levels. NOAA SQuiRTs TELs and PELs were developed for screening purposes only. The NOAA SQuiRT TELs and PELs are not enforceable by law, nor do they constitute criteria or clean-up levels, and are intended for comparison purposes only [149].

Table 16

Summary of Analytical Results
Sediment Sample Analysis for Leeds Metal

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	NOAA SQuiRTs TEL	NOAA SQuiRTs PEL
SD-05	**INORGANICs**					
	Aluminum	11,900 mg/Kg	3,730 mg/Kg	3.2 × Ref	NL	NL
	Iron	13,800 mg/Kg	1,740 mg/Kg	7.9 × Ref	NL	NL
	Lead	7.7 JEB mg/Kg	2.4 EB mg/Kg	3.2 × Ref	35 mg/Kg	91.3 mg/Kg
	Magnesium	4,220 mg/Kg	721 mg/Kg	5.9 × Ref	NL	NL
	Manganese	192 mg/Kg	27.7 mg/Kg	6.9 × Ref	NL	NL
	Nickel	17.8 mg/Kg	4.1 J mg/Kg	4.3 × Ref	18 mg/Kg	36 mg/Kg
	Potassium	1,340 J mg/Kg	1,040 U mg/Kg	1.3 × CRQL	NL	NL
	Zinc	38.9 mg/Kg	10.3 mg/Kg	3.8 × Ref	123 mg/Kg	315 mg/Kg
SD-06	**INORGANICs**					
	Aluminum	11,600 mg/Kg	3,730 mg/Kg	3.1 × Ref	NL	NL
	Arsenic	4.4 mg/Kg	1.2 J mg/Kg	3.7 × Ref	35 mg/Kg	91.3 mg/Kg
	Iron	12,600 mg/Kg	1,740 mg/Kg	7.2 × Ref	NL	NL
	Lead	28.9 JEB mg/Kg	2.4 EB mg/Kg	12.0 × Ref	35 mg/Kg	91.3 mg/Kg
	Magnesium	3,810 mg/Kg	721 mg/Kg	5.3 × Ref	NL	NL
	Manganese	167 mg/Kg	27.7 mg/Kg	6.0 × Ref	NL	NL
	Nickel	**20.1 mg/Kg**	4.1 J mg/Kg	4.9 × Ref	18 mg/Kg	36 mg/Kg
	Potassium	1,980 J mg/Kg	1,040 U mg/Kg	1.9 × CRQL	NL	NL
	Vanadium	28.8 mg/Kg	8.1 J mg/Kg	3.6 × Ref	NL	NL
	Zinc	63.6 mg/Kg	10.3 mg/Kg	6.2 × Ref	123 mg/Kg	315 mg/Kg
SD-08	**VOCs**					
	Methyl Acetate	71 J µg/Kg	1.6 J µg/Kg	44.4 × Ref	NL	NL
	Toluene	32 EB µg/Kg	8.1 UJ µg/Kg	4.0 × CRQL	NL	NL

Table 16

Summary of Analytical Results
Sediment Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	NOAA SQuiRTs TEL	NOAA SQuiRTs PEL
SD-09	**INORGANICs**					
	Chromium	***42.8 mg/Kg***	NA	NA	37.3 mg/Kg	90 mg/Kg
	Lead	23.2 JEB mg/Kg	7.3 EB mg/Kg	3.2 × Ref	35 mg/Kg	91.3 mg/Kg
	Nickel	***29.2 mg/Kg***	NA	NA	18 mg/Kg	36 mg/Kg
	Zinc	**126 mg/Kg**	41.8 mg/Kg	3.0 × Ref	123 mg/Kg	315 mg/Kg
SD-10	**PCBs**					
	Aroclor-1254	***36 J µg/Kg***	NA	NA	34.1 µg/Kg	277 µg/Kg
	Aroclor-1260	**87 µg/Kg**	56 U µg/Kg	1.6 × CRQL	34.1 µg/Kg	277 µg/Kg
	INORGANICs					
	Barium	94.1 J mg/Kg	28.3 J mg/Kg	3.3 × Ref	NL	NL
	Cadmium	***0.68 J mg/Kg***	NA	NA	0.596 mg/Kg	3.53 mg/Kg
	Copper	**40.5 J mg/Kg**	12.8 mg/Kg	3.2 × Ref	35.7 mg/Kg	197 mg/Kg
	Lead	**70.4 JEB mg/Kg**	7.3 EB mg/Kg	9.6 × Ref	35 mg/Kg	91.3 mg/Kg
	Nickel	***22.7 mg/Kg***	NA	NA	18 mg/Kg	36 mg/Kg
	Zinc	**196 mg/Kg**	41.8 mg/Kg	4.7 × Ref	123 mg/Kg	315 mg/Kg
SD-11	**INORGANICs**					
	Lead	7.4 EB mg/Kg	2.4 EB mg/Kg	3.1 × Ref	35 mg/Kg	91.3 mg/Kg
SD-12	**INORGANICs**					
	Iron	10,700 mg/Kg	1,740 mg/Kg	6.1 × Ref	NL	NL
	Magnesium	3,420 mg/Kg	721 mg/Kg	4.7 × Ref	NL	NL
	Manganese	113 mg/Kg	27.7 mg/Kg	4.1 × Ref	NL	NL
	Potassium	1,330 mg/Kg	1,040 U mg/Kg	1.3 × CRQL	NL	NL

Table 16

Summary of Analytical Results
Sediment Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	NOAA SQuiRTs TEL	NOAA SQuiRTs PEL
SD-13	**INORGANICs**					
	Iron	6,410 mg/Kg	1,740 mg/Kg	3.7 × Ref	NL	NL
	Magnesium	2,190 mg/Kg	721 mg/Kg	3.0 × Ref	NL	NL
SD-17	**INORGANICs**					
	Arsenic	***7.2 mg/Kg***	NA	NA	5.9 mg/Kg	17 mg/Kg
SD-18	**VOCs**					
	Acetone	1,400 EB µg/Kg	73 µg/Kg	19.2 × Ref	NL	NL
	Methyl Acetate	77 J µg/Kg	3.4 J µg/Kg	22.6 × Ref	NL	NL
SD-19	**INORGANICs**					
	Arsenic	***7.4 mg/Kg***	NA	NA	5.9 mg/Kg	17 mg/Kg
SD-20	**INORGANICs**					
	Arsenic	***7.8 mg/Kg***	NA	NA	5.9 mg/Kg	17 mg/Kg
SD-23	**INORGANICs**					
	Arsenic	**25.2 mg/Kg**	7.8 mg/Kg	3.2 × Ref	5.9 mg/Kg	17 mg/Kg
SD-24	**INORGANICs**					
	Aluminum	23,600 mg/Kg	3,730 mg/Kg	6.3 × Ref	NL	NL
	Arsenic	**7.2 mg/Kg**	1.2 J mg/Kg	6.0 × Ref	5.9 mg/Kg	17 mg/Kg
	Chromium	35 mg/Kg	8.2 mg/Kg	4.3 × Ref	37.3 mg/Kg	90 mg/Kg
	Cobalt	18.2 J mg/Kg	10.4 UJ mg/Kg	1.8 × CRQL	NL	NL
	Iron	28,500 mg/Kg	1,740 mg/Kg	16.4 × Ref	NL	NL
	Magnesium	6,950 mg/Kg	721 mg/Kg	9.6 × Ref	NL	NL

Table 16

Summary of Analytical Results
Sediment Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	NOAA SQuiRTs TEL	NOAA SQuiRTs PEL
SD-24	**INORGANICs**					
	Manganese	616 mg/Kg	27.7 mg/Kg	22.2 × Ref	NL	NL
	Nickel	**30.9 mg/Kg**	4.1 J mg/Kg	7.5 × Ref	18 mg/Kg	36 mg/Kg
	Potassium	3,070 mg/Kg	1,040 U mg/Kg	3.0 × CRQL	NL	NL
	Vanadium	42.8 mg/Kg	8.1 J mg/Kg	5.3 × Ref	NL	NL
	Zinc	50.6 mg/Kg	10.3 mg/Kg	4.9 × Ref	123 mg/Kg	315 mg/Kg
SD-28	**INORGANICs**					
	Aluminum	11,200 mg/Kg	3,730 mg/Kg	3.0 × Ref	NL	NL
	Iron	10,700 mg/Kg	1,740 mg/Kg	6.1 × Ref	NL	NL
	Magnesium	2,800 mg/Kg	721 mg/Kg	3.9 × Ref	NL	NL
	Manganese	96.3 mg/Kg	27.7 mg/Kg	3.5 × Ref	NL	NL
SD-29	**VOCs**					
	Methyl Acetate	20 J µg/Kg	3.4 J µg/Kg	× Ref	NL	NL
SD-30	**INORGANICs**					
	Aluminum	11,200 mg/Kg	3,730 mg/Kg	3.0 × Ref	NL	NL
	Arsenic	**6.9 mg/Kg**	1.2 J mg/Kg	5.8 × Ref	5.9 mg/Kg	17 mg/Kg
	Chromium	26.1 J mg/Kg	8.2 mg/Kg	3.2 × Ref	37.3 mg/Kg	90 mg/Kg
	Iron	17,400 mg/Kg	1,740 mg/Kg	10.0 × Ref	NL	NL
	Lead	14.2 JEB mg/Kg	2.4 EB mg/Kg	5.9 × Ref	35 mg/Kg	91.3 mg/Kg

Table 16

Summary of Analytical Results
Sediment Sample Analysis for Leeds Metal (Continued)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	NOAA SQuiRTs TEL	NOAA SQuiRTs PEL
SD-30	**INORGANICs**					
	Magnesium	4,640 mg/Kg	721 mg/Kg	6.4 × Ref	NL	NL
	Manganese	174 mg/Kg	27.7 mg/Kg	6.3 × Ref	NL	NL
	Nickel	**25.2 mg/Kg**	4.1 J mg/Kg	6.1 × Ref	18 mg/Kg	36 mg/Kg
	Potassium	2,420 J mg/Kg	1,040 U mg/Kg	2.3 × CRQL	NL	NL
	Vanadium	28.4 mg/Kg	8.1 J mg/Kg	3.5 × Ref	NL	NL
	Zinc	78.2 mg/Kg	10.3 mg/Kg	7.6 × Ref	123 mg/Kg	315 mg/Kg
SD-32	**PCBs**					
	Aroclor-1260	**78 µg/Kg**	56 U µg/Kg	1.4 × CRQL	34.1 µg/Kg	277 µg/Kg
	INORGANICs					
	Arsenic	***6.3 mg/Kg***	NA	NA	5.9 mg/Kg	17 mg/Kg
	Barium	105 J mg/Kg	28.3 J mg/Kg	3.7 × Ref	NL	NL
	Cadmium	**0.87 mg/Kg**	0.74 U mg/Kg	1.2 × CRQL	0.596 mg/Kg	3.53 mg/Kg
	Copper	**51.3 mg/Kg**	12.8 mg/Kg	4.0 × Ref	35.7 mg/Kg	197 mg/Kg
	Lead	**89.1 JEB mg/Kg**	7.3 EB mg/Kg	12.2 × Ref	35 mg/Kg	91.3 mg/Kg
	Nickel	***30.1 mg/Kg***	NA	NA	18 mg/Kg	36 mg/Kg
	Zinc	**247 mg/Kg**	41.8 mg/Kg	5.9 × Ref	123 mg/Kg	315 mg/Kg
SD-33	**INORGANICs**					
	Iron	9,350 mg/Kg	1,740 mg/Kg	5.4 × Ref	NL	NL
	Magnesium	2,370 mg/Kg	721 mg/Kg	3.3 × Ref	NL	NL
	Manganese	84.9 mg/Kg	27.7 mg/Kg	3.1 × Ref	NL	NL

Table 16

Summary of Analytical Results
Sediment Sample Analysis for Leeds Metal (Concluded)

Sample Location	Compound/ Element	Sample Concentration	Reference Concentration	Comments	NOAA SQuiRTs TEL	NOAA SQuiRTs PEL
SD-34	**INORGANICs**					
	Arsenic	***14.5 mg/Kg***	NA	NA	5.9 mg/Kg	17 mg/Kg

Bolded values indicate the organic compound or inorganic element was detected at a concentration equal to or greater than its respective NOAA SQuiRTs TEL and/or PEL values for freshwater sediment.

Bolded and *italicized* values indicate an organic compound or inorganic element that was detected at concentrations exceeding NOAA SQuiRTs TEL and/or PEL values in freshwater sediment, but not at concentrations exceeding reference criteria.

Note: If a compound or element was not detected in the respective reference sample(s), that compound or element is designated by its relative difference above the sample-adjusted CRQL (denoted CRQL in the table).

CRQL = Contract Required Quantitation Limit.
NA = Not Applicable.
TEL = Threshold Effects Level.
NOAA = National Oceanic and Atmospheric Administration.
µg/Kg = Micrograms per kilogram [equivalent to parts per billion (ppb)].
J = The associated numerical value is an estimated quantity.
VOCs = Volatile Organic Compounds.
PCBs = Polychlorinated Biphenyls.
PEL = Probable Effects Level.
SQuiRTs = Screening Quick Reference Tables.
mg/Kg = Milligrams per Kilogram [equivalent to parts per million (ppm)].
Ref = Reference Concentration.
U = The compound or element was analyzed for, but not detected. The associated numerical value is the sample-adjusted CRQL.
UJ = The compound or element was analyzed for, but not detected. The associated numerical value is the estimated sample-adjusted CRQL.
EB = The compound was identified in an aqueous equipment blank used to assess field contamination associated with soil/source samples.
NL = Not Listed. No NOAA SQuiRTs TEL or PEL values for freshwater sediment exist for this organic compound or inorganic element.

[1, pp. 21-48; 109-112; 115, pp. 2-7, 29-48; 116, pp. 2-11; 149]

Sediment samples SD-11, SD-12, SD-13, SD-24, SD-28, and SD-33 were collected from the wetland area located south of the Leeds Metal property, along SWP No. 1. Five VOCs, no PCBs, and 19 total metals were detected in sediment samples SD-11, SD-12, SD-13, SD-24, SD-28, and SD-33. None of the VOCs were detected at concentrations exceeding reference criteria. Of the 19 total metals detected, the following 12 were detected at concentrations exceeding reference criteria (maximum concentration and sample location in parentheses): aluminum (23,600 mg/Kg in SD-24); arsenic (7.2 mg/Kg in SD-24); chromium (35.0 mg/Kg in SD-24); cobalt (18.2 J mg/Kg SD-24); lead (7.4 EB mg/Kg in SD-11); iron (28,500 mg/Kg in SD-24); magnesium (6,950 mg/Kg in SD-24); manganese (616 mg/Kg in SD-24); nickel (30.9 mg/Kg in SD-24); potassium (3,070 mg/Kg in SD-24); vanadium (42.8 mg/Kg in SD-24); and zinc (50.6 mg/Kg in SD-24) [1, pp. 21-48; 89-98; 109-112; 115, pp. 2-7, 29-48; 116, pp. 2-11]. These 12 total metals were also detected in source areas on the Leeds Metal property. Therefore, START considers the 12 total metals detected in sediment samples collected from the wetland area south of the Leeds Metal property to be at least partially attributable to on-site source areas. Sediment sample SD-24 was collected from the northern edge of the wetland area, and analytical results of this sample have documented a release to the surface water pathway. However, the wetland area is not considered impacted, as analytical results of sediment samples collected from locations farther into the wetland area did not indicate the presence of source materials from the Leeds Metal property.

Sediment sample SD-18 was collected from Bonny Pond, located northeast of the Leeds Metal property along SWP No. 1, at the confluence with the Unnamed Stream. Six VOCs, no PCBs, and 13 total metals were detected in sediment sample SD-18. Three VOCs were detected at concentrations exceeding reference criteria in sediment sample SD-18 (maximum concentration in parentheses): acetone (1,400 EB µg/L); methyl acetate (77 J µg/L); and 2-butanone (310 J µg/L). No metals were detected at concentrations exceeding reference criteria [1, pp. 21-48; 109-112; 115, pp. 2-7, 29-48; 116, pp. 2-11]. The VOCs detected above reference criteria in sediment sample SD-18 were not consistently detected in sediment samples collected from locations upstream of Bonny Pond, along SWP No. 1. Therefore, START does not consider the three VOCs detected in sample SD-18 to be attributable to source areas on the Leeds Metal property.

Sediment samples SD-14 through SD-17 were collected from the Unnamed Stream located northeast and east of the Leeds Metal property, along SWP No. 1. Three VOCs, no PCBs, and 20 total metals were detected in sediment samples SD-14 through SD-17. None of the VOCs or total metals were detected at concentrations above reference criteria [1, pp. 21-48; 109-112; 115, pp. 2-7, 29-48; 116, pp. 2-11].

Sediment samples SD-23, SD-25, SD-26, SD-27, SD-29, SD-31, and SD-34 were collected from surface water bodies along SWP No. 2. Nine VOCs, no PCBs, and 19 total metals were detected in sediment samples SD-23, SD-25, SD-26, SD-27, SD-29, SD-31, and SD-34. Of the VOCs detected, one VOC (methyl acetate) was detected above reference criteria in sample SD-29, which was collected from a channel flowing from the wetland area located south of the Leeds Metal property. Of the 19 total metals detected, one total metal (arsenic) was detected above reference criteria in sample SD-23, which was collected from a groundwater seep along an intermittent stream, prior to the intermittent stream converging with the Dead River No. 2, southwest of the Leeds Metal property [1, pp. 21-48; 109-112; 115, pp. 2-7, 29-48; 116, pp. 2-11]. Arsenic concentrations are variable in both soil and groundwater in the area of the Leeds Metal property [94-98; 102-102]. Therefore, START does not attribute the arsenic detected

above background levels in sediment sample SD-23 to source areas on the Leeds Metal property, and a release of hazardous substances to the surface water pathway has not been documented.

Sediment samples SD-05, SD-06, and SD-30 were collected from SWP No. 3, the on-site wetland. Eight VOCs and one PCB Aroclor were detected in sediment samples SD-05, SD-06, and SD-30. No VOCs or PCBs were detected at concentrations exceeding reference criteria in these sediment samples. However, three chlorinated VOCs (cis-1,2-DCE, PCE, and TCE) and one PCB (Aroclor-1260) were detected at concentrations above laboratory RLs, but below reference criteria (*i.e.*, below 8.1 U µg/Kg for VOCs and below 56 U µg/Kg for PCBs). Nineteen total metals were detected in sediment samples SD-05, SD-06, and SD-30. Of these, the following 11 total metals were detected at concentrations exceeding reference criteria (maximum concentration and sample location in parentheses): aluminum (11,900 mg/Kg in SD-05); arsenic (6.9 mg/Kg in SD-30); chromium (26.1 mg/Kg in SD-30); iron (17,400 mg/Kg in SD-30); lead (28.9 JEB mg/Kg in SD-06); magnesium (4,640 mg/Kg in SD-30); manganese (192 mg/Kg in SD-05); nickel (25.2 mg/Kg in SD-30); potassium (2,420 J mg/Kg in SD-30); vanadium (28.8 mg/Kg in SD-06); and zinc (78.2 mg/Kg in SD-30) [1, pp. 21-48; 109-112; 115, pp. 2-7, 29-48; 116, pp. 2-11]. All the total metals detected in these sediment samples were detected in source samples collected from the Leeds Metal property [89-98]. Therefore, START attributes the presence of 11 total metals (aluminum, arsenic, chromium, iron, lead, magnesium, manganese, nickel, potassium, vanadium, and zinc) in sediment samples collected from the on-site wetland (SWP No. 3) to be at least partially attributable to source areas on the Leeds Metal property.

Sediment samples SD-07, SD-08, SD-09, SD-10, and SD-32 were collected from the on-site lagoons and on-site pond comprising SWP Nos. 4, 5, and 6. Six VOCs, two PCB Aroclors, and 18 total metals were detected in sediment samples SD-07, SD-08, SD-09, SD-10, and SD-32. The following two VOCs and five total metals were detected at concentrations exceeding reference criteria (maximum concentration and sample location in parentheses): methyl acetate (71 J µg/L in SD-08); toluene (32 EB µg/L in SD-08); barium (105 J mg/Kg in SD-32); cadmium (0.87 mg/Kg in SD-32); copper (51.3 mg/Kg in SD-32); lead (89.1 JEB mg/Kg in SD-32); and zinc (247 mg/Kg in SD-32). In addition, one PCB (Aroclor-1260) was detected above reference criteria, at a maximum concentration of 87 mg/Kg in sediment sample SD-10, collected from the on-site pond [1, pp. 21-48; 89-98; 109-112; 115, pp. 2-7, 29-48; 116, pp. 2-11]. The compounds and elements detected in sediment samples collected from SWP Nos. 4 thorough 6 were detected in source samples collected from the Leeds Metal property, and are considered at least partially attributable to source areas on the property.

No VOCs were detected in sediment samples collected by START as part of the EPA Site Assessment Site Inspection at concentrations exceeding their NOAA SQuiRTs TELs and/or PELs [109; 110; 149]. Two PCBs (Aroclor-1254 and Aroclor-1260) and six total metals (arsenic, cadmium, copper, lead, nickel, and zinc) were detected in sediment samples collected as part of the EPA Site Assessment Site Inspection at concentrations exceeding their NOAA SQuiRTs TELs and/or PELs [109; 110-112; 149]. In addition, four total metals (arsenic, cadmium, chromium, and nickel) were detected in sediment samples at concentrations above their NOAA SQuiRTs TELs and/or PELs, but below reference criteria [111; 112; 149].

Based on sampling performed as part of the EPA Site Assessment Site Inspection, START has documented a release of 11 total metals to the on-site wetland located on the northwest portion of the Leeds Metal property. In addition, sediment samples collected from the on-site wetland indicated the presence of chlorinated VOCs and PCBs at concentrations above laboratory RLs,

but below reference criteria. Since these concentrations are below reference criteria, they are not used in evaluating a release to the on-site wetland. Furthermore, adequate samples were not collected during the EPA Site Assessment Site Inspection to thoroughly document a release to the wetland south of the Leeds Metal property, or to SWP Nos. 1 and 2.

SOIL EXPOSURE PATHWAY

As of the 16 March 2010 EPA Site Assessment Combined Preliminary Assessment/Site Inspection on-site reconnaissance, approximately 50% of the 36-acre Leeds Metal property consisted of an area formerly utilized in the reclamation of junk cars. The remaining portions of the Leeds Metal property comprised wooded areas and surface water bodies [1, pp. 2-14]. The area formerly used in the reclamation of junk cars consisted of open areas, and contained piles of debris which remained on site after site operations ceased. Other pertinent features of the property are the Former Operations Area, directly adjacent to the railroad tracks; an on-site pond; two lagoons; and a depression [1, pp. 2-14]. Based on observations made during the 16 March 2010 on-site reconnaissance, vehicular access to the property is partially restricted by installed and natural barriers, while pedestrian access onto the property is unrestricted [1, pp. 2-14]. Interviews with local residents indicate that the property is routinely used for hiking and hunting activities [117, pp. 10]. The nearest residence is located on a property adjacent to (south of) the Leeds Metal property, and is approximately 500 feet south-southwest of source areas on the Leeds Metal property [1, p. 8; 6]. There are no schools or day-care facilities located within 200 feet of source areas located on the Leeds Metal property. The nearest school, University of Maine - Highmoor Farm, is located approximately 0.54 miles southeast of the property [30]. The nearest daycare is located approximately 0.78 miles northwest of the property [31]. There are no terrestrial sensitive environments located on the property [32]. An estimated 4,801 people reside within 4 radial miles of the Leeds Metal property [8-12; 25].

On 2 June 1983, ME DEP personnel responded to a complaint of leaking drums and transformers at the Leeds Metal property [Complaint No. P-10-83]. ME DEP personnel performed an on-site reconnaissance, and noted the presence of five transformers and 27 drums that appeared to contain product material. In addition, as part of the investigation, ME DEP personnel collected two soil samples: one from soil around a leaking transformer, and one from soil around a leaking drum [55]. The samples were submitted to the ME DEP Laboratory Services Section for PCB analysis. Analytical results of the soil samples indicated the presence of two PCBs (Aroclor-1248 and Aroclor-1260) in both of the soil samples at concentrations above MDLs. Aroclor-1248 and Aroclor-1260 were detected at maximum concentrations of 7.9 J mg/Kg and 5.3 J mg/Kg, respectively, in the soil sample collected from around the leaking transformer. The two PCBs were detected at concentrations below the ME DEP RAGs for Outdoor Commercial Workers [35; 55].

On 21 May 1998, ME DEP completed a Site Discovery of the Leeds Metal property. On 24 October 1997, as part of the Site Discovery, ME DEP personnel collected surface soil samples to determine if a release of hazardous substances to on-site soils had occurred. A total of 15 surface soil samples (SDP-101 through SDP-115) were collected from various locations of suspected major material reclamation at the property. These locations were determined through analysis of aerial photographs. All soil samples were collected from a depth of 2 to 8 inches bgs and submitted to the Maine Health and Environmental Testing Laboratory for PCB, metals, DRO, and TPH analyses [57]. Analytical results of surface soil samples indicated the presence of the following two PCBs, eight metals, DRO, and TPH at concentrations above laboratory RLs (maximum concentrations in parentheses): Aroclor-1248 (5.82 mg/Kg); Aroclor-1260 (16.1

mg/Kg); arsenic (48 mg/Kg); barium (2,600 mg/Kg); cadmium (155 mg/Kg); chromium (300 mg/Kg); lead (12,000 mg/Kg); mercury (3.07 mg/Kg); selenium (18 mg/Kg); silver (24 mg/Kg); DRO (80,800 mg/Kg); and TPH (86,300 mg/Kg). Of the compounds/elements detected, only one PCB (Aroclor-1260) and three metals (arsenic, cadmium, and lead) were detected at concentrations above ME DEP RAGs of Soil for Commercial Outdoor Workers [35; 57]. No background samples were collected as part of the ME DEP Site Discovery investigation. Therefore, START does not consider the surface soil sample results of the ME DEP Site Discovery to be representative of possible surface soil contamination on the property.

On 17 June 2004, Roux completed a targeted environmental investigation of the northwest portion of the Leeds Metal property. Five composite surface soil samples (CS-1 through CS-5) were collected from areas around the edge of the Concrete Disposal Area, located on the northwestern portion of the property. The surface soil samples were collected with hand augers from a depth of 1 foot bgs and submitted to Resource Laboratories for VOC, SVOC, DRO, GRO, PCBs, and RCRA 8 metals analyses. Analytical results of the surface soil samples indicated the presence of 10 SVOCs, seven RCRA 8 metals, and DRO at concentrations above laboratory RLs. The maximum concentration of each compound/element was detected in surface soil sample CS-5, as follows: benzo(a)anthracene (110 µg/Kg); benzo(a)pyrene (110 µg/Kg); benzo(b)fluoranthene (140 µg/Kg); benzo(g,h,i)perylene (50 µg/Kg); benzo(k)fluoranthene (120 µg/Kg); chrysene (120 µg/Kg); fluoranthene (200 µg/Kg); indeno(1,2,3-cd)pyrene (50 µg/Kg); phenanthrene (100 µg/Kg); pyrene (180 µg/Kg); arsenic (12 mg/Kg); barium (62 mg/Kg); cadmium (0.54 mg/Kg); chromium (38 mg/Kg); lead (32 mg/Kg); selenium (5.6 mg/Kg); silver (0.5 mg/Kg); and DRO (150 µg/Kg). None of the compounds were detected at concentrations exceeding ME DEP RAGs for Outdoor Commercial Workers [35; 74]. Background samples were not collected as part of the Roux investigation. Therefore, START does not consider the surface sample results of the 2004 Roux investigation to be representative of possible exposure to targets on the property.

On 15 through 18 June 2009, as part of the EPA Removal Program Preliminary Assessment/Site Investigation, START collected 83 surface soil samples from the Leeds Metal property. All the soil samples were screened on site for VOCs and metals by the EPA OEME Mobile Laboratory. In addition, 14 surface soil samples were submitted to EPA OEME Laboratory for VOC and total metals confirmation analyses. VOC screening results indicated the presence of PCE in 25 surface soil samples, at a maximum concentration of 4,140 µg/Kg. Metals screening results indicated the presence of the following four total metals in surface soil samples (maximum concentrations in parentheses): antimony (692 mg/Kg); arsenic (60 mg/Kg); cadmium (161 mg/Kg); and lead (8,391 mg/Kg). Three metals (arsenic, cadmium, and lead) were detected at concentrations greater than their respective ME DEP RAGs for Outdoor Commercial Workers. Confirmatory sampling indicated the presence of the following 14 VOCs and 18 total metals (maximum concentrations in parentheses): 1,1,2,2-tetrachloroethane (310 µg/Kg); 1,2,3-trichloropropane (390 µg/Kg); 1,2-dibromo-3-chloropropane (480 J µg/Kg); MEK (740 J µg/Kg); 2-hexanone (340 J µg/Kg); acetone (630 J µg/Kg); MIBK (400 J µg/Kg); acrylonitrile (630 J µg/Kg); bromoform (680 µg/Kg); bromomethane (160 µg/Kg); naphthalene (290 µg/Kg); PCE (4,200 µg/Kg); tetrahydrofuran (630 J µg/Kg); vinyl acetate (220 J µg/Kg); aluminum (89,000 mg/Kg); antimony (1,900 mg/Kg); arsenic (180 mg/Kg); barium (2,200 mg/Kg); cadmium (59 mg/Kg); calcium (7,800 mg/Kg); chromium (200 mg/Kg); cobalt (46 mg/Kg); copper (38,000 mg/Kg); iron (240,000 mg/Kg); lead (39,000 mg/Kg); magnesium (6,300 mg/Kg); manganese (1,300 mg/Kg); mercury (5.0 mg/Kg); nickel (5,300 mg/Kg); silver (13 mg/Kg); vanadium (33 mg/Kg); and zinc (62,000 mg/Kg). In addition, five total metals (arsenic,

cadmium, copper, lead, and zinc) were detected at concentrations exceeding their respective ME DEP RAGs for Outdoor Commercial Workers [35; 78].

START conducted surface soil/source sampling at the Leeds Metal property as part of the 2010 EPA Site Assessment Site Inspection. A detailed description of the surface soil/source sampling is included in the Waste/Source Sampling section of this report. Based on analytical results, a contaminated surface soil/source area has been documented as containing the following substances: 13 VOCs (acetone, bromomethane, 2-butanone, chloromethane, ethylbenzene, methyl acetate, methyl tert-butyl ether, styrene, PCE, toluene, 1,2,3-trichlorobenzene, m,p-xylene, and o-xylene); five PCBs (Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, and Aroclor-1268); and 23 total metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc) [1, pp.41-48; 89-98; 115, pp.2-7, 18-26, 39-48; 166, pp. 2-40, 46-48; 117, pp. 2-6]. Of these contaminants, 14 substances (Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, antimony, arsenic, cadmium, cobalt, copper, iron, lead, nickel, thallium, and zinc) were detected at concentrations exceeding their respective ME DEP RAGs for Park User and Excavation or Construction Worker Scenarios [35]. No impacts to surrounding residential or worker populations or sensitive environments have been documented. To date, no known actions have been taken to address this contaminated surface soil/source area.

AIR PATHWAY

The nearest residence is located on a property adjacent to the Leeds Metal property and is approximately 500 feet south-southwest of on-site source areas [1, p. 8; 6]. There are no schools or day-care facilities located within 200 feet of source areas located on the Leeds Metal property. The nearest school, University of Maine - Highmoor Farm, is located approximately 0.54 miles southeast of the property [30]. The nearest daycare center is located approximately 0.78 miles northwest of the property [31]. Based on observations during the 16 March 2010 on-site reconnaissance, vehicular access to the property is partially restricted by installed and natural barriers, while pedestrian access onto the property is unrestricted [1, pp. 2-14]. There are no terrestrial sensitive environments located on the property [32]. An estimated 4,801 people reside within 4 radial miles of the Leeds Metal property [25].

Table 17 summarizes the estimated population within 4 radial miles of the Leeds Metal property.

Table 17

Estimated Population Within 4 Radial Miles of Leeds Metal

Radial Distance from Leeds Metal (miles)	Estimated Population
On a Source	0
> 0.00 to 0.25	30
> 0.25 to 0.50	134
> 0.50 to 1.00	223
> 1.00 to 2.00	775
> 2.00 to 3.00	1,767
> 3.00 to 4.00	1,872
TOTAL	4,801

[25]

Approximately 5,697.2 acres of wetlands, a CWA-protected water body, and one state-listed endangered species habitat are located within 4 radial miles of the Leeds Metal property [8-12; 32; 34].

Table 18 summarizes sensitive environments located within 4 radial miles of the Leeds Metal property.

Table 18

Sensitive Environments Located Within 4 Radial Miles of Leeds Metal

Radial Distance From Leeds Metal (miles)	Sensitive Environments/Species (status)
On a Source	1.6 acres of wetlands
> 0.00 to < 0.25	Clean Water Act-protected water body
	32.9 acres of wetlands
> 0.25 to < 0.50	57.9 acres of wetlands
> 0.50 to < 1.00	280.5 acres of wetlands
> 1.00 to < 2.00	1,308.3 acres of wetlands

Table 18

Sensitive Environments Located Within 4 Radial Miles of Leeds Metal

Radial Distance From Leeds Metal (miles)	Sensitive Environments/Species (status)
> 2.00 to < 3.00	1,945.1 acres of wetlands
> 3.00 to < 4.00	2,070.9 acres of wetlands
	One state-listed endangered species habitat

[8-12; 32; 34]

During the on-site reconnaissances and the sampling activities conducted at the Leeds Metal property, ambient air monitoring was conducted by START personnel using a combined PID, radiation meter, and a MultiRAE Plus meter (with LEL, O_2, H_2S, CO, and VOC sensors). No readings above background levels were detected in ambient air [1, 115-117].

No laboratory qualitative or quantitative air samples are known to have been collected from the Leeds Metal property. Based on the limited available data, no release of hazardous substances to the ambient air from on-site sources is known or suspected to have occurred. No impacts to nearby residential populations or sensitive environments are known or suspected.

SUMMARY

The Leeds Metal property is located along Blue Rock Road in Leeds, Androscoggin County, Maine (ME). The geographic coordinates of the property, as measured from its approximate center, are 44° 14′ 14.1″ north latitude and 70° 04′ 53.6″ west longitude. The Leeds Metal property is depicted on the Town of Leeds Tax Assessor's Map Number (No.) 4, as Lot No. 38. According to the Town of Leeds Tax Assessor's office, the 36-acre property is currently owned by Maine Central Railroad Guilford Transportation Industries, Inc., which was rebranded under the name of Pan Am Railways in March 2006. According to previous reports, from approximately 1969 to 1984, scrap metal recovery processes were conducted on the property by various entities. In addition, available file information indicates that cast concrete manufacturing took place on the northwestern portion of the property during an unspecified time period.

As of the March 2010 reconnaissance and the November to December 2010 on-site sampling events, the eastern and southern portions of the Leeds Metal property were sparsely vegetated and contained car shredding waste both on the ground surface and in piles. A former building foundation and operations area were observed along the eastern property boundary, adjacent to railroad tracks. The northern and western portions of the property were observed to be wooded, and contained two lagoon areas and an area of concrete disposal. The property is bordered to the south by a wooded area, a wetland, and residential properties; to the west by ME Route 106 and residential properties; to the north by a former concrete manufacturing building and gravel storage area; and to the east by a railroad track and wooded area. The Leeds Metal property is located in a mixed residential/industrial area, adjacent to former industrial areas (a former concrete manufacturer and a gravel quarry) located to the north and northeast.

On 2 June 1983 and 30 April 1987, Maine Department of Environmental Protection (ME DEP) personnel responded to complaints of drums and transformers at the Leeds Metal property [Complaint Nos. P-10-83 and A/158/87]. Based on a Site Discovery, completed 21 May 1998, the property owner, Maine Central Railroad Company under the corporation of Guilford Railroad, began investigations into contamination located on the property. Subsequent sampling indicated the presence of chlorinated volatile organic compounds (VOCs) in groundwater and drinking water. Based on sampling of on-site soils, on-site and off-site sediments, on-site groundwater, and off-site drinking water, EPA initiated the Site Inspection of the Leeds Metal property to identify potential source areas associated within the property; to identify and investigate potential impacts to groundwater and nearby private drinking water supply wells; and to identify and investigate potential impacts to sediment in overland surface water pathways.

START conducted surface soil/source sampling as part of the EPA Site Assessment Site Inspection. Based on analytical results, a contaminated surface soil/source area has been documented as containing 13 VOCs, five polychlorinated biphenyls, and 23 total metals. Of these contaminants, four PCBs and 10 total metals were detected at concentrations exceeding ME DEP Remedial Action Guideline (RAG) for Park User and/or ME DEP RAG for Excavation or Construction Worker Scenarios. To date, no known actions have been taken to address this contaminated subsurface soil/source area.

START conducted subsurface soil/source sampling as part of the EPA Site Assessment Site Inspection. Based on analytical results, a contaminated subsurface soil/source area has been documented as containing 20 VOCs, five PCBs, and 22 total metals. Of these contaminants, two PCBs and nine total metals were detected at concentrations exceeding their ME DEP RAG for

Park User and/or ME DEP RAG for Excavation or Construction Worker Scenarios. To date, no known actions have been taken to address this contaminated subsurface soil/source area.

The estimated number of residents utilizing public groundwater sources within 4 radial miles of the Leeds Metal property is 5,718. The nearest public drinking water supply well is one bedrock well which constitutes the West Village Mobile Home Park System, located in the Town of Monmouth, ME, approximately 0.4 miles east of the Leeds Metal property. The estimated number of residents utilizing private groundwater sources within 4 radial miles of the property is 3,589. The nearest private drinking water supply well is located south of the Leeds Metal property, within 300 feet of potential source areas. Investigations conducted on behalf of the property owner have indicated that shallow groundwater flow has been both to the north and to the south. Based on a January 2000 review of the data from previous investigations, ME DEP personnel noted that groundwater flow appears to be directed west, and that groundwater flow in the deeper overburden or the vertical gradient measured between shallow and deep wells was not investigated. ME DEP noted that all of the wells have a downward vertical gradients and that the flow direction in the deeper aquifer appears to be much different from the shallow groundwater flow direction. START assumes groundwater flow beneath the site to be in a north to south/southwest direction. Based on analytical results of groundwater samples, a release of one VOC [tetrachloroethene (PCE)]; four dissolved metals (chromium, iron, potassium, and vanadium); and nine total metals (aluminum, chromium, copper, iron, lead, nickel, potassium, vanadium, and zinc) from source areas located on the Leeds Metal property to on-site groundwater monitoring wells has been documented. Based on analytical results of drinking water samples, a release of four VOCs [cis-1,2-dichloroethene (cis-1,2-DCE), PCE, toluene, and trichloroethene (TCE)]; nine dissolved metals (barium, calcium, chromium, copper, lead, magnesium, nickel, potassium, and zinc); and 10 total metals (barium, calcium, chromium, cobalt, copper, lead, magnesium, nickel, potassium, and zinc) from source areas located on the Leeds Metal property to private drinking water supply wells has been documented. Total lead, PCE, and TCE were detected above reference criteria and above the EPA Maximum Contaminant Levels (MCLs) and/or Maine Department of Human Services Maximum Exposure Guidelines (ME DHS MEGs). To date, no known actions have been taken to address the releases of hazardous substances to private drinking water supply wells.

Based on site topography and on-site observations, stormwater runoff/overland flow infiltrates into the ground and flows south-southeast to a wetland area associated with an Unnamed Stream as well as southwest to the Dead River No. 2 or flows into four on-site isolated water bodies (on-site pond, two lagoons, and an on-site isolated wetland). Infiltrated stormwater flows south to the Unnamed Stream and Probable Point of Entry (PPE) No. 1 approximately 600 feet south-southeast of the Leeds Metal property. This constitutes Surface Water Pathway (SWP) No. 1 which flows north through the Unnamed Stream, Bonny Pond, Bog Brook, Androscoggin Lake, Dead River No. 1, and the Androscoggin River, before reaching the 15-mile downstream pathway terminus located along a segment of the Androscoggin River, between the towns of Livermore and Leeds, ME. Infiltrated stormwater also flows southwest via groundwater, and emerges to the ground surface via groundwater seeps prior to flowing into the Dead River No. 2 at PPE No. 2. This constitutes Surface Water Pathway (SWP) No. 2 which flows south through the Dead River No. 2, Sabattus Pond, and the Sabattus River, before reaching the 15-mile downstream pathway terminus located along a segment of the Sabattus River, in the town of Sabattus, ME.

No known surface water drinking water intakes are located along SWP No. 1 and SWP No. 2 from the Leeds Metal property. According to the Maine Department of Inland Fisheries and

Wildlife, Androscoggin Lake, Dead River No. 1, the Androscoggin River, Dead River No. 2, Sabattus Pond, and the Sabattus River are designated as recreational fisheries. Approximately 19.0 miles of wetland frontage and one Clean Water Act (CWA)-protected water body are located along SWP No. 1. Approximately 22.7 miles of wetlands frontage, one State-endangered species habitat, and one CWA-protected water body are located along SWP No. 2. Based on analytical results of sediment samples, a release of 11 total metals to the on-site wetland located on the northwest portion of the Leeds Metal property has been documented. In addition, sediment samples collected from the on-site wetland indicated the presence of chlorinated VOCs and PCBs at concentrations above laboratory reporting limits (RLs), but below reference criteria. Furthermore, adequate samples were not collected during the EPA Site Assessment Site Inspection to thoroughly document a release to the wetland south of the Leeds Metal property, or to SWP Nos. 1 and 2.

The nearest residence is located on a property adjacent to (south of) the Leeds Metal property, and is approximately 500 feet south-southwest of source areas on the Leeds Metal property. An estimated 387 people reside within 1 radial mile of the Leeds Metal property. There are no schools or day-care facilities located within 200 feet of source areas located on the Leeds Metal property. The nearest school, University of Maine - Highmoor Farm, is located approximately 0.54 miles southeast of the property. The nearest daycare is located approximately 0.78 miles northwest of the property. There are no terrestrial sensitive environments located on the property. Based on analytical results, a contaminated surface soil/source area has been documented as containing 13 VOCs, five polychlorinated biphenyls, and 23 total metals. Of these contaminants, four PCBs and 10 total metals were detected at concentrations exceeding ME DEP RAG for Park User and/or ME DEP RAG for Excavation or Construction Worker Scenarios. To date, no known actions have been taken to address this contaminated subsurface soil/source area.

An estimated 4,801 people reside within 4 radial miles of the Leeds Metal property. In addition, approximately 5,697.2 acres of wetlands, a CWA-protected water body, and one state-listed endangered species habitat are located within 4 radial miles of the Leeds Metal property. No laboratory qualitative or quantitative air samples are known to have been collected from the Leeds Metal property. Based on the limited available data, no release of hazardous substances to the ambient air from on-site sources is known or suspected to have occurred. No impacts to nearby residential populations or sensitive environments are known or suspected.

The last known action completed at the Leeds Metal property was the Site Inspection, completed by START in 2010.

LEEDS METAL
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ATTACHMENT A

LEEDS METAL
SURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS
START
Samples Collected on 9, 11, 16 through 18, 29, and 30 November 2010

DATA SUMMARY KEY
SURFACE SOIL/SOURCE

J	=	The associated numerical value is an estimated quantity.
U	=	The compound or element was analyzed for, but not detected. The associated numerical value is the sample-adjusted CRQL.
UJ	=	The compound or element was analyzed for, but not detected. The associated numerical value is the estimated sample-adjusted CRQL.
TB	=	The compound was identified in an aqueous trip blank that was used to assess field contamination associated with soil/source samples.
R	=	The value for the compound of element was rejected due to failure of one or more quality control parameters.
EB	=	The compound was identified in an aqueous equipment blank used to assess field contamination associated with soil/source samples.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3SS9	A3ST1	A3ST2	A3ST3	A3ST4	A3ST5	A3ST6
SAMPLE LOCATION		SS-01	SS-03	SS-04	SS-05	SS-06	SS-07	SS-08
STATION LOCATION		LM-0001	LM-0003	LM-0004	LM-0005	LM-0006	LM-0007	LM-0008
LABORATORY NUMBER		200-2582-1	200-2582-2	200-2582-3	200-2582-4	200-2619-1	200-2733-1	200-2623-1
COMPOUND	CRQL							
Dichlorodifluoromethane	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
Chloromethane	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	0.61 J	5 U
Vinyl chloride	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
Bromomethane	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	4.2 J	5 U
Chloroethane	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
Trichlorofluoromethane	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
1,1-Dichloroethene	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
Acetone	10	93 EB	52 EB	120 EB	130 EB	8.4 U	110 TB	14
Carbon disulfide	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	1.2 J	5 U
Methyl acetate	5	4.9 U	5.8 U	4.5 J	11	4.2 U	7.5 UJ	5 U
Methylene chloride	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
trans-1,2-Dichloroethene	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
Methyl tert-butyl ether	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
1,1-Dichloroethane	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
cis-1,2-Dichloroethene	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
2-Butanone	10	9.7 U	4.4 J	8.6 J	7.4 J	8.4 U	24 TB	2.1 J
Bromochloromethane	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
Chloroform	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
1,1,1-Trichloroethane	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
Cyclohexane	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
Carbon tetrachloride	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
Benzene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	0.91 J	5 U
1,2-Dichloroethane	5	4.9 U	5.8 U	6.4 U	5.2 U	4.2 U	7.5 UJ	5 U
1,4-Dioxane	100	97 UJ	120 UJ	130 UJ	100 UJ	84 UJ	150 UJ	100 UJ
Trichloroethene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
Methylcyclohexane	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
1,2-Dichloropropane	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
Bromodichloromethane	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
cis-1,3-Dichloropropene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
4-Methyl-2-pentanone	10	9.7 U	12 UJ	13 UJ	10 UJ	8.4 U	2.2 TB	10 U
Toluene	5	4.9 U	5.8 UJ	1.9 TB	2.4 TB	4.2 U	7.5 UJ	5 U
trans-1,3-Dichloropropene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
1,1,2-Trichloroethane	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
Tetrachloroethene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
2-Hexanone	10	9.7 U	12 UJ	13 UJ	10 UJ	8.4 U	15 UJ	10 U
Dibromochloromethane	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
1,2-Dibromoethane	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
Chlorobenzene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
Ethylbenzene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
o-Xylene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
m,p-Xylene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	0.13 J	0.63 J	5 U
Styrene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
Bromoform	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	R	5 UJ
Isopropylbenzene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
1,1,2,2-Tetrachloroethane	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	7.5 UJ	5 U
1,3-Dichlorobenzene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	R	5 UJ
1,4-Dichlorobenzene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	R	5 UJ
1,2-Dichlorobenzene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	0.30 J	R	5 UJ
1,2-Dibromo-3-chloropropane	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	R	5 UJ
1,2,4-Trichlorobenzene	5	4.9 U	5.8 UJ	6.4 UJ	5.2 UJ	4.2 U	R	5 UJ
1,2,3-Trichlorobenzene	5	2.2 J	5.8 UJ	6.4 UJ	5.2 UJ	1.4 J	11 J	5 UJ
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/16/2010	11/16/2010	11/16/2010	11/16/2010	11/17/2010	11/30/2010	11/18/2010
DATE ANALYZED		11/24/2010	11/23/2010	11/23/2010	11/23/2010	11/24/2010	12/03/2010	11/26/2010
SAMPLE WEIGHT (GRAMS)		6.788	4.574	4.827	5.351	8.597	4.553	5.202
% SOLID		75.7	93.8	81.1	90.1	69.2	73.2	96.4

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3ST7	A3ST8	A3ST9	A3SW0	A3SW1	A3SW2	A3SW3
SAMPLE LOCATION		SS-09	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15
STATION LOCATION		LM-0009	LM-0010	LM-0011	LM-0012	LM-0013	LM-0014	LM-0015
LABORATORY NUMBER		200-2623-2	200-2733-2	200-2733-3	200-2733-4	200-2733-5	200-2733-6	200-2733-7
COMPOUND	CRQL							
Dichlorodifluoromethane	5	14 UJ	4.2 U	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
Chloromethane	5	14 UJ	4.2 U	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
Vinyl chloride	5	14 UJ	4.2 U	3.7 UJ	5.2 UJ	5.1 UJ	4.2 UJ	6.9 UJ
Bromomethane	5	6.2 J	4.2 U	3.7 U	1 J	1.4 J	4.2 U	6.9 U
Chloroethane	5	14 UJ	4.2 U	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
Trichlorofluoromethane	5	14 UJ	4.2 U	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
1,1-Dichloroethene	5	14 UJ	4.2 U	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	14 UJ	4.2 U	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
Acetone	10	260 J	31 TB	7.6 TB	61 TB	75 TB	12 TB	19 TB
Carbon disulfide	5	14 UJ	4.2 U	3.7 U	0.61 J	1.9 J	4.2 U	6.9 U
Methyl acetate	5	14 UJ	4.2 U	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
Methylene chloride	5	14 UJ	4.2 U	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
trans-1,2-Dichloroethene	5	14 UJ	4.2 U	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
Methyl tert-butyl ether	5	14 UJ	4.2 U	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
1,1-Dichloroethane	5	14 UJ	4.2 U	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 U
cis-1,2-Dichloroethene	5	14 UJ	4.2 U	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
2-Butanone	10	84 J	4.9 TB	7.3 U	14 TB	12 TB	8.4 U	2.5 TB
Bromochloromethane	5	14 UJ	4.2 U	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 U
Chloroform	5	14 UJ	4.2 U	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 U
1,1,1-Trichloroethane	5	14 UJ	4.2 UJ	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
Cyclohexane	5	14 UJ	4.2 UJ	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
Carbon tetrachloride	5	14 UJ	4.2 UJ	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
Benzene	5	14 UJ	4.2 UJ	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
1,2-Dichloroethane	5	14 UJ	4.2 U	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
1,4-Dioxane	100	270 UJ	84 UJ	73 UJ	100 UJ	100 UJ	84 UJ	140 UJ
Trichloroethene	5	14 UJ	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 U
Methylcyclohexane	5	14 UJ	4.2 UJ	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
1,2-Dichloropropane	5	14 UJ	4.2 UJ	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
Bromodichloromethane	5	14 UJ	4.2 UJ	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
cis-1,3-Dichloropropene	5	14 UJ	4.2 UJ	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
4-Methyl-2-pentanone	10	27 UJ	8.4 UJ	7.3 U	10 U	10 U	8.4 U	14 U
Toluene	5	1.6 JEB	0.67 JEB	3.7 U	0.53 JEB	5.1 UJ	4.2 U	6.9 U
trans-1,3-Dichloropropene	5	14 UJ	4.2 UJ	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
1,1,2-Trichloroethane	5	14 UJ	4.2 UJ	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
Tetrachloroethene	5	14 UJ	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 U
2-Hexanone	10	27 UJ	8.4 UJ	7.3 U	10 U	10 U	8.4 U	14 U
Dibromochloromethane	5	14 UJ	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 U
1,2-Dibromoethane	5	14 UJ	4.2 UJ	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
Chlorobenzene	5	14 UJ	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 U
Ethylbenzene	5	14 UJ	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 U
o-Xylene	5	14 UJ	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 U
m,p-Xylene	5	14 UJ	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	0.39 J
Styrene	5	14 UJ	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 U
Bromoform	5	R	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 UJ
Isopropylbenzene	5	14 UJ	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 U
1,1,2,2-Tetrachloroethane	5	14 UJ	4.2 UJ	3.7 U	5.2 U	5.1 U	4.2 U	6.9 U
1,3-Dichlorobenzene	5	R	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 UJ
1,4-Dichlorobenzene	5	R	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 UJ
1,2-Dichlorobenzene	5	R	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 UJ
1,2-Dibromo-3-chloropropane	5	R	4.2 UJ	3.7 U	5.2 U	5.1 UJ	4.2 U	6.9 UJ
1,2,4-Trichlorobenzene	5	R	4.2 UJ	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 UJ
1,2,3-Trichlorobenzene	5	R	1.2 J	3.7 U	5.2 UJ	5.1 UJ	4.2 U	6.9 UJ
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/18/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010
DATE ANALYZED		11/29/2010	12/03/2010	12/03/2010	12/03/2010	12/03/2010	12/03/2010	12/03/2010
SAMPLE WEIGHT (GRAMS)		2.42	6.435	7.024	5.202	5.895	6.107	4.333
% SOLID		75.0	93.0	97.1	92.2	83.6	97.1	83.9

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3SW4	A3SW5	A3SW6	A3SW7	A3SW8	A3SW9	A3SX0
SAMPLE LOCATION		SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22
STATION LOCATION		LM-0016	LM-0017	LM-0018	LM-0019	LM-0020	LM-0021	LM-0022
LABORATORY NUMBER		200-2623-3	200-2619-2	200-2619-3	200-2582-5	200-2475-1	200-2619-4	200-2619-5
COMPOUND	CRQL							
Dichlorodifluoromethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Chloromethane	5	0.47 J	4.1 U	6.2 U	4.7 U	270 U	0.82 J	210 U
Vinyl chloride	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Bromomethane	5	3.2 J	4.1 U	6.2 U	4.7 U	270 U	6.7 J	210 U
Chloroethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Trichlorofluoromethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,1-Dichloroethene	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Acetone	10	110 J	14 U	17 U	13 U	540 U	120 EB	430 U
Carbon disulfide	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	0.6 J	210 U
Methyl acetate	5	4.6 UJ	4.1 U	6.2 U	4.7 U	240 J	6 UJ	180 J
Methylene chloride	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
trans-1,2-Dichloroethene	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Methyl tert-butyl ether	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,1-Dichloroethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
cis-1,2-Dichloroethene	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
2-Butanone	10	21 J	2.2 EB	12 U	9.3 U	540 U	19 EB	430 U
Bromochloromethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Chloroform	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,1,1-Trichloroethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Cyclohexane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Carbon tetrachloride	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Benzene	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,2-Dichloroethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,4-Dioxane	100	93 UJ	82 UJ	120 UJ	93 UJ	5400 UJ	120 UJ	4300 UJ
Trichloroethene	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Methylcyclohexane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,2-Dichloropropane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Bromodichloromethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
cis-1,3-Dichloropropene	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
4-Methyl-2-pentanone	10	9.3 UJ	8.2 U	12 U	9.3 U	540 U	12 UJ	430 U
Toluene	5	1.2 J	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
trans-1,3-Dichloropropene	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,1,2-Trichloroethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Tetrachloroethene	5	4.6 UJ	4.1 U	6.2 U	4.7 U	490	6 UJ	3800
2-Hexanone	10	9.3 UJ	8.2 U	12 U	9.3 U	540 U	12 UJ	430 U
Dibromochloromethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,2-Dibromoethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Chlorobenzene	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Ethylbenzene	5	11 J	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
o-Xylene	5	7 J	4.1 U	6.2 U	4.7 U	6 J	6 UJ	210 U
m,p-Xylene	5	24 J	4.1 U	6.2 U	4.7 U	19 J	6 UJ	9.5 J
Styrene	5	9.6 J	4.1 U	6.2 U	4.7 U	13 J	6 UJ	210 U
Bromoform	5	R	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
Isopropylbenzene	5	1.7 J	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,1,2,2-Tetrachloroethane	5	4.6 UJ	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,3-Dichlorobenzene	5	R	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,4-Dichlorobenzene	5	R	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,2-Dichlorobenzene	5	R	4.1 U	6.2 U	4.7 U	270 U	0.38 J	210 U
1,2-Dibromo-3-chloropropane	5	R	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,2,4-Trichlorobenzene	5	R	4.1 U	6.2 U	4.7 U	270 U	6 UJ	210 U
1,2,3-Trichlorobenzene	5	R	0.79 J	6.2 U	4.7 U	270 U	6 UJ	210 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	50	1.0	1.0
DATE SAMPLED		11/18/2010	11/18/2010	11/18/2010	11/17/2010	11/11/2010	11/18/2010	11/18/2010
DATE ANALYZED		11/29/2010	11/24/2010	11/24/2010	11/23/2010	11/22/2010	11/26/2010	11/24/2010
SAMPLE WEIGHT (GRAMS)		6.15	6.398	4.855	5.576	5.178	4.91	6.885
% SOLID		87.0	95.3	83.6	96.3	94.4	85.5	93.0

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3SX1	A3SX2	A3SX3	A3SX4	A3SX5	A3SX6	A3SX7
SAMPLE LOCATION		SS-23	SS-24	SS-25	SS-26	SS-27	SS-28	SS-29
STATION LOCATION		LM-0023	LM-0024	LM-0025	LM-0026	LM-0027	LM-0028	LM-0029
LABORATORY NUMBER		200-2619-6	200-2619-7	200-2475-2	200-2475-3	200-2619-8	200-2475-4	200-2475-5
COMPOUND	CRQL							
Dichlorodifluoromethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
Chloromethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
Vinyl chloride	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
Bromomethane	5	380 U	3.9 U	240 U	1.3 J	210 U	4.3 J	3.3 J
Chloroethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
Trichlorofluoromethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
1,1-Dichloroethene	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
Acetone	10	770 U	11 U	470 U	54 EB	430 U	190 EB	170 JEB
Carbon disulfide	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
Methyl acetate	5	430	3.9 U	430	3.5 U	99 J	8.5 U	9 UJ
Methylene chloride	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
trans-1,2-Dichloroethene	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
Methyl tert-butyl ether	5	380 U	3.9 U	6.7 J	3.5 U	210 U	8.5 U	9 UJ
1,1-Dichloroethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
cis-1,2-Dichloroethene	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
2-Butanone	10	770 U	7.8 U	470 U	9	430 U	35	38 J
Bromochloromethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
Chloroform	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
1,1,1-Trichloroethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
Cyclohexane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
Carbon tetrachloride	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
Benzene	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
1,2-Dichloroethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 U	9 UJ
1,4-Dioxane	100	7700 UJ	78 UJ	4700 UJ	69 UJ	4300 UJ	170 UJ	180 UJ
Trichloroethene	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
Methylcyclohexane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
1,2-Dichloropropane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
Bromodichloromethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
cis-1,3-Dichloropropene	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
4-Methyl-2-pentanone	10	770 U	7.8 U	470 U	6.9 U	430 U	17 UJ	18 UJ
Toluene	5	26 EB	3.9 U	240 U	3.5 U	16 EB	8.5 UJ	9 UJ
trans-1,3-Dichloropropene	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
1,1,2-Trichloroethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
Tetrachloroethene	5	1300	3.9 U	1900	0.9 J	10000 *	8.5 UJ	9 UJ
2-Hexanone	10	770 U	7.8 U	470 U	6.9 U	430 U	17 UJ	18 UJ
Dibromochloromethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
1,2-Dibromoethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
Chlorobenzene	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
Ethylbenzene	5	380 U	3.9 U	9.1 J	3.5 U	210 U	8.5 UJ	9 UJ
o-Xylene	5	380 U	3.9 U	9.3 J	3.5 U	210 U	8.5 UJ	9 UJ
m,p-Xylene	5	16 J	3.9 U	21 J	3.5 U	210 U	8.5 UJ	9 UJ
Styrene	5	380 U	3.9 U	19 J	3.5 U	210 U	8.5 UJ	9 UJ
Bromoform	5	380 U	3.9 U	240 U	3.5 UJ	210 U	8.5 UJ	R
Isopropylbenzene	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
1,1,2,2-Tetrachloroethane	5	380 U	3.9 U	240 U	3.5 U	210 U	8.5 UJ	9 UJ
1,3-Dichlorobenzene	5	380 U	3.9 U	240 U	3.5 UJ	210 U	8.5 UJ	R
1,4-Dichlorobenzene	5	380 U	3.9 U	240 U	3.5 UJ	210 U	8.5 UJ	R
1,2-Dichlorobenzene	5	380 U	3.9 U	240 U	3.5 UJ	210 U	8.5 UJ	R
1,2-Dibromo-3-chloropropane	5	380 U	3.9 U	240 U	3.5 UJ	210 U	8.5 UJ	R
1,2,4-Trichlorobenzene	5	380 U	3.9 U	240 U	3.5 UJ	210 U	8.5 UJ	R
1,2,3-Trichlorobenzene	5	380 U	3.9 U	240 U	3.5 UJ	210 U	8.5 UJ	R
DILUTION FACTOR		1.0	1.0	50	1.0	1.0 / 1.5*	1.0	1.0
DATE SAMPLED		11/18/2010	11/18/2010	11/09/2010	11/09/2010	11/18/2010	11/09/2010	11/09/2010
DATE ANALYZED		11/24/2010	11/24/2010	11/22/2010	11/16/2010	11/24/2010	11/16/2010	11/16/2010
SAMPLE WEIGHT (GRAMS)		4.501	6.706	7.624	8.525	9.095	4.011	3.504
% SOLID		83.3	95.5	85.1	84.6	83.6	73.4	79

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3SX8	A3SX9	A3SY0	A3SY1	A3SY2	A3SY3	A3SY4
SAMPLE LOCATION		SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-36
STATION LOCATION		LM-0030	LM-0031	LM-0032	LM-0033	LM-0034	LM-0035	LM-0036
LABORATORY NUMBER		200-2475-6	200-2475-7	200-2582-6	200-2582-7	200-2623-4	200-2623-5	200-2623-6
COMPOUND	CRQL							
Dichlorodifluoromethane	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
Chloromethane	5	1.1 J	450 U	2.4 J	1.7 J	8.4 U	7.9 UJ	0.43 J
Vinyl chloride	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
Bromomethane	5	11 J	450 U	9.8 J	3.7 J	8.4 U	7.9 UJ	1.8 J
Chloroethane	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
Trichlorofluoromethane	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
1,1-Dichloroethene	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
Acetone	10	190 EB	910 U	220 EB	110 EB	200	220 J	74 J
Carbon disulfide	5	2.9 J	450 U	0.66 J	5.8 UJ	1.7 J	5 UJ	5 UJ
Methyl acetate	5	11 U	810	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
Methylene chloride	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
trans-1,2-Dichloroethene	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
Methyl tert-butyl ether	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
1,1-Dichloroethane	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
cis-1,2-Dichloroethene	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
2-Butanone	10	43	910 U	34 J	21 J	48	77 J	26 J
Bromochloromethane	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
Chloroform	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
1,1,1-Trichloroethane	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
Cyclohexane	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
Carbon tetrachloride	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
Benzene	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
1,2-Dichloroethane	5	11 U	450 U	6 UJ	5.8 UJ	8.4 U	7.9 UJ	5.6 UJ
1,4-Dioxane	100	230 UJ	9100 UJ	120 UJ	120 UJ	170 UJ	160 UJ	110 UJ
Trichloroethene	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
Methylcyclohexane	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
1,2-Dichloropropane	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
Bromodichloromethane	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
cis-1,3-Dichloropropene	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
4-Methyl-2-pentanone	10	23 UJ	910 U	12 UJ	12 UJ	17 UJ	R	11 UJ
Toluene	5	11 UJ	450 U	1 TB	0.77 TB	8.4 UJ	30 JEB	5.6 UJ
trans-1,3-Dichloropropene	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
1,1,2-Trichloroethane	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
Tetrachloroethene	5	11 UJ	1600	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
2-Hexanone	10	23 UJ	910 U	12 UJ	12 UJ	17 UJ	R	11 UJ
Dibromochloromethane	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
1,2-Dibromoethane	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
Chlorobenzene	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
Ethylbenzene	5	11 UJ	16 J	6 UJ	5.8 UJ	1.8 J	34 J	5.6 UJ
o-Xylene	5	11 UJ	9.4 J	6 UJ	5.8 UJ	1.5 J	22 J	5.6 UJ
m,p-Xylene	5	11 UJ	23 J	0.38 J	5.8 UJ	1.4 J	37 J	5.6 UJ
Styrene	5	11 UJ	24 J	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
Bromoform	5	11 UJ	450 U	R	R	8.4 UJ	R	R
Isopropylbenzene	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	4.8 J	5.6 UJ
1,1,2,2-Tetrachloroethane	5	11 UJ	450 U	6 UJ	5.8 UJ	8.4 UJ	R	5.6 UJ
1,3-Dichlorobenzene	5	11 UJ	450 U	R	R	8.4 UJ	0.68 J	R
1,4-Dichlorobenzene	5	11 UJ	450 U	R	R	8.4 UJ	1.2 J	R
1,2-Dichlorobenzene	5	11 UJ	450 U	R	R	8.40 UJ	1.4 J	R
1,2-Dibromo-3-chloropropane	5	11 UJ	450 U	R	R	8.4 UJ	R	R
1,2,4-Trichlorobenzene	5	11 UJ	450 U	R	R	8.4 UJ	1.7 J	R
1,2,3-Trichlorobenzene	5	11 UJ	450 U	R	R	8.4 UJ	R	R
DILUTION FACTOR		1.0	50	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/09/2010	11/09/2010	11/16/2010	11/16/2010	11/18/2010	11/18/2010	11/18/2010
DATE ANALYZED		11/16/2010	11/22/2010	11/23/2010	11/23/2010	11/29/2010	11/26/2010	11/26/2010
SAMPLE WEIGHT (GRAMS)		2.958	4.48	5.385	5.526	4.78	4.558	6.076
% SOLID		74.1	75.1	77.2	78.6	62.0	69.5	74.1

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3SY5	A3SY6	A3SY7	A3SY8	A3SY9	A3SZ0	A3SZ1
SAMPLE LOCATION		SS-37	SS-38	SS-39	SS-40	SS-41	SS-42	SS-43
STATION LOCATION		LM-0037	LM-0038	LM-0039	LM-0040	LM-0041	LM-0042	LM-0043
LABORATORY NUMBER		200-2582-8	200-2582-9	200-2582-10	200-2619-9	200-2619-10	200-2619-11	200-2582-11
COMPOUND	CRQL							
Dichlorodifluoromethane	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
Chloromethane	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
Vinyl chloride	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
Bromomethane	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
Chloroethane	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
Trichlorofluoromethane	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
1,1-Dichloroethene	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
Acetone	10	37 EB	300 EB	150 EB	16 U	20 U	19 U	100 EB
Carbon disulfide	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
Methyl acetate	5	3.6 U	7.4 U	4.6 J	4.2 U	5 U	5.4 U	14
Methylene chloride	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
trans-1,2-Dichloroethene	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
Methyl tert-butyl ether	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
1,1-Dichloroethane	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
cis-1,2-Dichloroethene	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
2-Butanone	10	3.5 J	22	32	8.5 U	3.6 EB	11 U	5.6 J
Bromochloromethane	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
Chloroform	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
1,1,1-Trichloroethane	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
Cyclohexane	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
Carbon tetrachloride	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
Benzene	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
1,2-Dichloroethane	5	3.6 U	7.4 U	7.5 U	4.2 U	5 U	5.4 U	4.3 U
1,4-Dioxane	100	73 UJ	150 UJ	150 UJ	85 UJ	100 UJ	110 UJ	85 UJ
Trichloroethene	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
Methylcyclohexane	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
1,2-Dichloropropane	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
Bromodichloromethane	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
cis-1,3-Dichloropropene	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
4-Methyl-2-pentanone	10	7.3 U	15 UJ	15 UJ	8.5 U	10 U	11 U	8.5 U
Toluene	5	3.6 U	1.9 TB	7.5 UJ	4.2 U	5 U	5.4 U	0.82 TB
trans-1,3-Dichloropropene	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
1,1,2-Trichloroethane	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
Tetrachloroethene	5	0.52 J	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
2-Hexanone	10	7.3 U	15 UJ	15 UJ	8.5 U	10 U	11 U	8.5 U
Dibromochloromethane	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
1,2-Dibromoethane	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
Chlorobenzene	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
Ethylbenzene	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
o-Xylene	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
m,p-Xylene	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
Styrene	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 UJ	4.3 U
Bromoform	5	3.6 U	7.4 UJ	R	4.2 UJ	5 U	5.4 U	4.3 UJ
Isopropylbenzene	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
1,1,2,2-Tetrachloroethane	5	3.6 U	7.4 UJ	7.5 UJ	4.2 U	5 U	5.4 U	4.3 U
1,3-Dichlorobenzene	5	3.6 U	7.4 UJ	R	4.2 UJ	5 U	5.4 UJ	4.3 UJ
1,4-Dichlorobenzene	5	3.6 U	7.4 UJ	R	4.2 UJ	5 U	5.4 UJ	4.3 UJ
1,2-Dichlorobenzene	5	3.6 U	7.4 UJ	R	4.2 UJ	5 U	5.4 UJ	4.3 UJ
1,2-Dibromo-3-chloropropane	5	3.6 U	7.4 UJ	R	4.2 UJ	5 U	5.4 UJ	4.3 UJ
1,2,4-Trichlorobenzene	5	3.6 U	7.4 UJ	R	4.2 UJ	5 U	5.4 UJ	4.3 UJ
1,2,3-Trichlorobenzene	5	3.6 U	7.4 UJ	R	4.2 UJ	5 U	5.4 UJ	4.3 UJ
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/17/2010	11/17/2010	11/17/2010	11/17/2010	11/17/2010	11/17/2010	11/16/2010
DATE ANALYZED		11/23/2010	11/23/2010	11/23/2010	11/24/2010	11/24/2010	11/26/2010	11/23/2010
SAMPLE WEIGHT (GRAMS)		7.8	4.317	5.326	6.264	6.146	5.59	6.379
% SOLID		88.3	78.7	62.9	94.1	80.8	82.7	91.7

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3SZ2	A3T03	A3TR8	A3TR9			
SAMPLE LOCATION		SS-44	SS-50	SS-52	SS-53			
STATION LOCATION		LM-0044	LM-0055	LM-0310	LM-0311			
LABORATORY NUMBER		200-2475-8	200-2623-9	200-2733-21	200-2733-22			
COMPOUND	CRQL							
Dichlorodifluoromethane	5	230 U	7 UJ	6.5 U	6 U			
Chloromethane	5	230 U	7.4 J	6.5 U	6 U			
Vinyl chloride	5	230 U	7 UJ	6.5 U	6 UJ			
Bromomethane	5	230 U	21 J	6.5 U	1.1 J			
Chloroethane	5	230 U	7 UJ	6.5 U	6 U			
Trichlorofluoromethane	5	230 U	7 UJ	6.5 U	6 U			
1,1-Dichloroethene	5	230 U	7 UJ	6.5 U	6 U			
1,1,2-Trichloro-1,2,2-trifluoroethane	5	230 U	7 UJ	6.5 U	6 U			
Acetone	10	460 U	66 J	13 TB	48 TB			
Carbon disulfide	5	230 U	7 UJ	1.1 J	6 U			
Methyl acetate	5	200 J	7 UJ	6.5 U	6 U			
Methylene chloride	5	230 U	7 UJ	0.72 J	6 U			
trans-1,2-Dichloroethene	5	230 U	7 UJ	6.5 U	6 U			
Methyl tert-butyl ether	5	230 U	7 UJ	6.5 U	6 U			
1,1-Dichloroethane	5	230 U	7 UJ	6.5 U	6 U			
cis-1,2-Dichloroethene	5	230 U	7 UJ	6.5 U	6 U			
2-Butanone	10	460 U	13 J	13 U	13 TB			
Bromochloromethane	5	230 U	7 UJ	6.5 U	6 U			
Chloroform	5	230 U	7 UJ	6.5 U	6 U			
1,1,1-Trichloroethane	5	230 U	R	6.5 U	6 UJ			
Cyclohexane	5	230 U	R	6.5 U	6 UJ			
Carbon tetrachloride	5	230 U	R	6.5 U	6 UJ			
Benzene	5	230 U	R	6.5 U	6 UJ			
1,2-Dichloroethane	5	230 U	7 UJ	6.5 U	6 U			
1,4-Dioxane	100	4600 UJ	140 UJ	130 UJ	120 UJ			
Trichloroethene	5	230 U	R	6.5 U	6 UJ			
Methylcyclohexane	5	230 U	R	6.5 U	6 UJ			
1,2-Dichloropropane	5	230 U	R	6.5 U	6 UJ			
Bromodichloromethane	5	230 U	R	6.5 U	6 UJ			
cis-1,3-Dichloropropene	5	230 U	R	6.5 U	6 UJ			
4-Methyl-2-pentanone	10	460 U	R	13 U	12 UJ			
Toluene	5	230 U	3.9 JEB	6.5 U	1.7 JEB			
trans-1,3-Dichloropropene	5	230 U	R	6.5 U	6 UJ			
1,1,2-Trichloroethane	5	230 U	R	6.5 U	6 UJ			
Tetrachloroethene	5	350	R	6.5 U	6 UJ			
2-Hexanone	10	460 U	R	13 U	12 UJ			
Dibromochloromethane	5	230 U	R	6.5 U	6 UJ			
1,2-Dibromoethane	5	230 U	R	6.5 U	6 UJ			
Chlorobenzene	5	4.8 J	R	6.5 U	6 UJ			
Ethylbenzene	5	6.4 J	R	6.5 U	6 UJ			
o-Xylene	5	4.2 J	R	6.5 U	6 UJ			
m,p-Xylene	5	15 J	0.75 J	6.5 U	0.44 J			
Styrene	5	5.9 J	R	6.5 U	6 UJ			
Bromoform	5	230 U	R	6.5 U	6 UJ			
Isopropylbenzene	5	230 U	R	6.5 U	6 UJ			
1,1,2,2-Tetrachloroethane	5	230 U	R	6.5 U	6 UJ			
1,3-Dichlorobenzene	5	230 U	R	6.5 U	6 UJ			
1,4-Dichlorobenzene	5	230 U	R	6.5 U	6 UJ			
1,2-Dichlorobenzene	5	230 U	R	6.5 U	6 UJ			
1,2-Dibromo-3-chloropropane	5	230 U	R	6.5 U	6 UJ			
1,2,4-Trichlorobenzene	5	230 U	R	6.5 U	6 UJ			
1,2,3-Trichlorobenzene	5	230 U	R	6.5 U	6 UJ			
DILUTION FACTOR		50	1.0	1.0	1.0			
DATE SAMPLED		11/11/2010	11/18/2010	11/30/2010	11/30/2010			
DATE ANALYZED		11/22/2010	11/29/2010	12/06/2010	12/03/2010			
SAMPLE WEIGHT (GRAMS)		6.23	4.926	4.642	5.096			
% SOLID		94.1	72.5	82.5	82.3			

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

SAMPLE NUMBER		A3SS9	A3ST1	A3ST2	A3ST3	A3ST4	A3ST5	A3ST6
SAMPLE LOCATION		SS-01	SS-03	SS-04	SS-05	SS-06	SS-07	SS-08
STATION LOCATION		LM-0001	LM-0003	LM-0004	LM-0005	LM-0006	LM-0007	LM-0008
LABORATORY NUMBER		200-2582-1	200-2582-2	200-2582-3	200-2582-4	200-2619-1	200-2733-1	200-2623-1
COMPOUND	CRQL							
Aroclor-1016	33	42 U	36 U	35 U	37 U	42 U	220 U	35 U
Aroclor-1221	33	42 U	36 U	35 U	37 U	42 U	220 U	35 U
Aroclor-1232	33	42 U	36 U	35 U	37 U	42 U	220 U	35 U
Aroclor-1242	33	42 U	36 U	35 U	37 U	42 U	8,000 *	35 U
Aroclor-1248	33	42 U	36 U	35 U	37 U	42 U	220 U	35 U
Aroclor-1254	33	42 U	18 J	8.2 J	37 U	42 U	11000 *	35 U
Aroclor-1260	33	42 U	8.9 J	6 J	37 U	42 U	12000 *	37
Aroclor-1262	33	42 U	36 U	35 U	37 U	42 U	220 U	35 U
Aroclor-1268	33	42 U	36 U	35 U	37 U	42 U	220 U	35 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	5.0 / 50.0 *	1.0
DATE SAMPLED		11/16/2010	11/16/2010	11/16/2010	11/16/2010	11/17/2010	11/30/2010	11/18/2010
DATE EXTRACTED		11/22/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010	12/02/2010	11/22/2010
DATE ANALYZED		11/29/2010	11/29/2010	11/29/2010	11/29/2010	12/08/2010	12/14/2010	12/02/2010
SAMPLE WEIGHT (GRAMS)		29.96	30.10	30.40	30.29	30.53	29.94	29.49
% SOLID		79.5	91.2	91.2	92.9	76.3	74.1	95.0

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

SAMPLE NUMBER		A3ST7	A3ST8	A3ST9	A3SW0	A3SW1	A3SW2	A3SW3
SAMPLE LOCATION		SS-09	SS-10	SS-11	SS-12	SS-13	SS-14	SS-15
STATION LOCATION		LM-0009	LM-0010	LM-0011	LM-0012	LM-0013	LM-0014	LM-0015
LABORATORY NUMBER		200-2623-2	200-2733-2	200-2733-3	200-2733-4	200-2733-5	200-2733-6	200-2733-7
COMPOUND	CRQL							
Aroclor-1016	33	44 U	35 U	34 U	36 U	40 U	36 U	39 U
Aroclor-1221	33	44 U	35 U	34 U	36 U	40 U	36 U	39 U
Aroclor-1232	33	44 U	35 U	34 U	36 U	40 U	36 U	39 U
Aroclor-1242	33	44 U	14 J	34 U	470 J	110	56 J	34 J
Aroclor-1248	33	490 * J	35 U	34 U	36 U	40 U	36 U	39 U
Aroclor-1254	33	1000 *	340	34 U	1700 *	1100 *	390	89
Aroclor-1260	33	2500 * J	440	7.6 J	1000 *	2600 *	510	84
Aroclor-1262	33	44 U	35 U	34 U	36 U	40 U	36 U	39 U
Aroclor-1268	33	44 U	35 U	34 U	36 U	40 U	36 U	39 U
DILUTION FACTOR		1.0 / 5.0 *	1.0	1.0	1.0 / 5.0 *	1.0 / 10.0 *	1.0	1.0
DATE SAMPLED		11/18/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010
DATE EXTRACTED		11/22/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
DATE ANALYZED		12/06/2010	12/15/2010	12/14/2010	12/15/2010	12/14/2010	12/15/2010	12/14/2010
SAMPLE WEIGHT (GRAMS)		29.46	30.49	29.95	30.15	30.14	29.97	30.61
% SOLID		77.2	91.6	96.8	91.6	81.7	91.2	83.4

NOTES:

µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

	SAMPLE NUMBER	A3SW4	A3SW5	A3SW6	A3SW7	A3SW8	A3SW9	A3SX0
	SAMPLE LOCATION	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21	SS-22
	STATION LOCATION	LM-0016	LM-0017	LM-0018	LM-0019	LM-0020	LM-0021	LM-0022
	LABORATORY NUMBER	200-2623-3	200-2619-2	200-2619-3	200-2582-5	200-2475-1	200-2619-4	200-2619-5
COMPOUND	CRQL							
Aroclor-1016	33	39 U	35 U	42 U	34 U	37 U	39 U	37 U
Aroclor-1221	33	39 U	35 U	42 U	34 U	37 U	39 U	37 U
Aroclor-1232	33	39 U	35 U	42 U	34 U	37 U	39 U	37 U
Aroclor-1242	33	39 U	19 J	42 U	34 U	37 U	56 J	30 J
Aroclor-1248	33	190	35 U	42 U	34 U	37 U	39 U	37 U
Aroclor-1254	33	900 *	180	9.4 J	120	1800 *	810 *	750 *
Aroclor-1260	33	1600 * J	470	25 J	58	690 *	2500 *	350 J
Aroclor-1262	33	39 U	35 U	42 U	34 U	37 U	39 U	37 U
Aroclor-1268	33	39 U	35 U	42 U	34 U	60 J	39 U	37 U
	DILUTION FACTOR	1.0 / 5.0 *	1.0	1.0	1.0	1.0 / 10.0 *	1.0 / 5.0 *	1.0 / 2.0 *
	DATE SAMPLED	11/18/2010	11/18/2010	11/18/2010	11/17/2010	11/11/2010	11/18/2010	11/18/2010
	DATE EXTRACTED	11/22/2010	11/22/2010	11/22/2010	11/22/2010	11/12/2010	11/22/2010	11/22/2010
	DATE ANALYZED	12/06/2010	12/09/2010	12/09/2010	12/01/2010	11/18/2010	12/8,9/2010	12/8,9/2010
	SAMPLE WEIGHT (GRAMS)	29.36	30.27	28.95	30.38	29.98	29.52	29.49
	% SOLID	86.8	94.2	82.1	88.6	89.6	85.8	91.0

NOTES:

µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

	SAMPLE NUMBER	A3SX1	A3SX2	A3SX3	A3SX4	A3SX5	A3SX6	A3SX7
	SAMPLE LOCATION	SS-23	SS-24	SS-25	SS-26	SS-27	SS-28	SS-29
	STATION LOCATION	LM-0023	LM-0024	LM-0025	LM-0026	LM-0027	LM-0028	LM-0029
	LABORATORY NUMBER	200-2619-6	200-2619-7	200-2475-2	200-2475-3	200-2619-8	200-2475-4	200-2475-5
COMPOUND	CRQL							
Aroclor-1016	33	40 UJ	35 U	38 U	39 U	37 UJ	220 U	87 U
Aroclor-1221	33	40 UJ	35 U	38 U	39 U	37 UJ	220 U	87 U
Aroclor-1232	33	40 UJ	35 U	38 U	39 U	37 UJ	220 U	87 U
Aroclor-1242	33	43 J	35 U	38 U	39 U	80 J	220 U	87 U
Aroclor-1248	33	40 UJ	35 U	38 U	39 U	37 UJ	220 U	87 U
Aroclor-1254	33	960 *	38	850 *	1200 *	490 J	27000 *	3600 *
Aroclor-1260	33	1200 * J	94	1400 *	2400 *	1200 *	6600 *	5000 *
Aroclor-1262	33	40 UJ	35 U	38 U	39 U	37 UJ	220 U	87 U
Aroclor-1268	33	40 UJ	35 U	130 J	130 J	37 UJ	400 J	370 J
	DILUTION FACTOR	1.0 / 3.0 *	1.0	1.0 / 5.0 *	1.0 / 5.0 *	1.0 / 4.0 *	5.0 / 50.0 *	2.0 / 20.0 *
	DATE SAMPLED	11/18/2010	11/18/2010	11/09/2010	11/09/2010	11/18/2010	11/09/2010	11/09/2010
	DATE EXTRACTED	11/22/2010	11/22/2010	11/12/2010	11/12/2010	11/22/2010	11/12/2010	11/12/2010
	DATE ANALYZED	12/8,9/2010	12/08/2010	11/18/2010	11/18/2010	12/8,9/2010	11/18/2010	11/18/2010
	SAMPLE WEIGHT (GRAMS)	29.27	29.94	30.0	30.19	30.55	30.19	30.33
	% SOLID	85.6	94.7	86.1	85.0	87.2	74.5	75.4

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

SAMPLE NUMBER		A3SX8	A3SX9	A3SY0	A3SY1	A3SY2	A3SY3	A3SY4
SAMPLE LOCATION		SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-36
STATION LOCATION		LM-0030	LM-0031	LM-0032	LM-0033	LM-0034	LM-0035	LM-0036
LABORATORY NUMBER		200-2475-6	200-2475-7	200-2582-6	200-2582-7	200-2623-4	200-2623-5	200-2623-6
COMPOUND	CRQL							
Aroclor-1016	33	94 U	210 U	42 U	41 U	52 U	93 U	46 U
Aroclor-1221	33	94 U	210 U	42 U	41 U	52 U	93 U	46 U
Aroclor-1232	33	94 U	210 U	42 U	41 U	52 U	93 U	46 U
Aroclor-1242	33	94 U	210 U	42 U	41 U	52 U	93 U	46 U
Aroclor-1248	33	2000 * J	210 U	42 U	41 U	950 *	4900 *	46 U
Aroclor-1254	33	6400 *	23000 *	5700 *	2200 *	1800 *	9300 *	4400 *
Aroclor-1260	33	6000 *	8800 *	4500 * J	2500 *	2700 * J	7300 * J	3900 * J
Aroclor-1262	33	94 U	210 U	42 U	41 U	52 U	93 U	46 U
Aroclor-1268	33	560 J	420 J	42 U	41 U	370	93 U	1600 *
DILUTION FACTOR		2.0 / 20.0 *	5.0 / 50.0 *	1.0 / 10.0 *	1.0 / 10.0 *	1.0 / 5.0 *	2.0 / 20.0 *	1.0 / 10.0 *
DATE SAMPLED		11/09/2010	11/09/2010	11/16/2010	11/16/2010	11/18/2010	11/18/2010	11/18/2010
DATE EXTRACTED		11/12/2010	11/12/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010
DATE ANALYZED		11/18/2010	11/18/2010	12/01/2010	12/01/2010	12/06/2010	12/06/2010	12/06/2010
SAMPLE WEIGHT (GRAMS)		01/30/1900	01/30/1900	01/30/1900	01/30/1900	01/29/1900	01/30/1900	01/29/1900
% SOLID		69.0	77.7	95.2	77.6	64.4	70	71.4

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

SAMPLE NUMBER		A3SY5	A3SY6	A3SY7	A3SY8	A3SY9	A3SZ0	A3SZ1
SAMPLE LOCATION		SS-37	SS-38	SS-39	SS-40	SS-41	SS-42	SS-43
STATION LOCATION		LM-0037	LM-0038	LM-0039	LM-0040	LM-0041	LM-0042	LM-0043
LABORATORY NUMBER		200-2582-8	200-2582-9	200-2582-10	200-2619-9	200-2619-10	200-2619-11	200-2582-11
COMPOUND	CRQL							
Aroclor-1016	33	50 U	50 U	42 U	35 U	42 U	36 U	37 U
Aroclor-1221	33	50 U	50 U	42 U	35 U	42 U	36 U	37 U
Aroclor-1232	33	50 U	50 U	42 U	35 U	42 U	36 U	37 U
Aroclor-1242	33	50 U	50 U	42 U	35 U	42 U	36 U	37 U
Aroclor-1248	33	50 U	50 U	42 U	35 U	42 U	36 U	37 U
Aroclor-1254	33	18 J	220	1300 *	35 U	8.9 J	36 U	37 U
Aroclor-1260	33	23 J	130	3900 *	35 U	44	36 U	37 U
Aroclor-1262	33	50 U	50 U	42 U	35 U	42 U	36 U	37 U
Aroclor-1268	33	50 U	50 U	42 U	35 U	42 U	36 U	37 U
DILUTION FACTOR		1.0	1.0	1.0 / 20.0 *	1.0	1.0	1.0	1.0
DATE SAMPLED		11/17/2010	11/17/2010	11/17/2010	11/17/2010	11/17/2010	11/17/2010	11/16/2010
DATE EXTRACTED		11/22/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010
DATE ANALYZED		11/29/2010	12/01/2010	12/01/2010	12/08/2010	12/08/2010	12/08/2010	11/29/2010
SAMPLE WEIGHT (GRAMS)		30.00	30.00	29.98	30.58	29.35	30.64	29.97
% SOLID		79.3	65.6	56.8	92.5	80.2	91.0	78.8

NOTES:

µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

SAMPLE NUMBER		A3SZ2	A3T03	A3TR8	A3TR9			
SAMPLE LOCATION		SS-44	SS-50	SS-52	SS-53			
STATION LOCATION		LM-0044	LM-0055	LM-0310	LM-0311			
LABORATORY NUMBER		200-2475-8	200-2623-9	200-2733-21	200-2733-22			
COMPOUND	CRQL							
Aroclor-1016	33	38 U	46 UJ	39 U	39 U			
Aroclor-1221	33	38 U	46 U	39 U	39 U			
Aroclor-1232	33	38 U	46 U	39 U	39 U			
Aroclor-1242	33	38 U	46 U	6.4 J	24 J			
Aroclor-1248	33	38 U	240	39 U	39 U			
Aroclor-1254	33	2100 *	240	34 J	71			
Aroclor-1260	33	590	400 J	42	68 J			
Aroclor-1262	33	38 U	46 U	39 U	39 U			
Aroclor-1268	33	47 J	46 U	39 U	39 U			
DILUTION FACTOR		1.0 / 5.0 *	1.0	1.0	1.0			
DATE SAMPLED		11/11/2010	11/18/2010	11/30/2010	11/30/2010			
DATE EXTRACTED		11/12/2010	11/22/2010	12/02/2010	12/02/2010			
DATE ANALYZED		11/18/2010	12/02/2010	12/14/2010	12/14/2010			
SAMPLE WEIGHT (GRAMS)		29.98	29.92	30.21	30.3			
% SOLID		87.6	72.0	83.3	83.9			

NOTES:

µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT A- SURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3SW8; MA3SS9; MA3ST4; MA3ST6; MA3ST5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3SS9	MA3ST0	MA3ST1	MA3ST2	MA3ST3	MA3ST4	MA3ST5
			SAMPLE LOCATION	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07
			STATION LOCATION	LM-0001	LM-0002	LM-0003	LM-0004	LM-0005	LM-0006	LM-0007
			LABORATORY NUMBER	11401(S)	11402(S)	11403(S)	11404(S)	11405(S)	11469(S)	11511(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	12400 EB	12400 EB	7430 EB	8030 EB	8240 EB	5570	24000
Antimony	ICP	0.27	6	6.5 U	6.3 U	7.7 U	6.6 U	5.7 U	R	22.9 J
Arsenic	ICP	0.2	1	4	4.4	3.9	5	3.5	4.3 J	29.1 J
Barium	ICP	0.094	20	26.5 J	21.7 J	202 J	66.3 J	47.5 J	27.1 J	1940
Beryllium	ICP	0.013	0.5	0.54 UJ	0.023 J	0.64 UJ	0.55 UJ	0.57 UJ	0.63 U	0.019 J
Cadmium	ICP	0.013	0.5	0.54 UJ	0.53 UJ	0.99 J	0.77 J	0.46 J	0.63 UJ	48.3
Calcium	ICP	3.5	500	366 J	440 J	1140 J	1750 J	1000 J	1490	9330
Chromium	ICP	0.075	1	14.4 J	17.9 J	20.1 J	19.3 J	15.6 J	12.4	325 *
Cobalt	ICP	0.085	5	2.6 J	3.3 J	4.7 J	5.5 J	4.9 J	6.3 UJ	30 J
Copper	ICP	0.18	2.5	4.9 J	5.7 J	27.6 J	15.9 J	9.6 J	7.5 J	2260 *J
Iron	ICP	0.68	10	12800 J	14300 J	20500 J	22600 J	12700 J	8960	162000 *
Lead	ICP	0.25	1	4.3 JEB	5.1 JEB	78.8 JEB	52.4 JEB	10.9 JEB	2.6	3630 *
Magnesium	ICP	1.3	500	1660	2440	2950	2930	3010	2410	5760
Manganese	ICP	0.017	1.5	63.7 J	70.1 J	208 J	204 J	175 J	92.8 EB	1090 *J
Mercury	CV	0.003	0.1	0.041 J	0.052 J	0.087 J	0.097 J	0.015 J	0.13 U	0.95
Nickel	ICP	0.055	4	8.5 J	9.9 J	15.2 J	14.8 J	12.1 J	11.7 EB	369
Potassium	ICP	8.9	500	451 J	301 J	1180	1320	1500	1560 J	R
Selenium	ICP	0.29	3.5	3.8 U	3.7 U	4.5 U	3.9 U	4 U	4.4 UJ	R
Silver	ICP	0.083	1	R	R	R	R	0.23 J	1.3 U	1.2 UJ
Sodium	ICP	2.6	500	R	R	R	R	158 J	625 UJ	R
Thallium	ICP	0.15	2.5	2.7 U	2.6 U	3.2 U	2.8 U	R	3.1 UJ	3.1 UJ
Vanadium	ICP	0.11	5	19.5	22.5	16.1	17.6	16.5	14.1	32.6
Zinc	ICP	0.12	6	14.1 J	15.7 J	244 J	131 J	32.3 J	17 JEB	9610 *JEB
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0 / 50.0 *
			DATE SAMPLED	11/16/2010	11/16/2010	11/16/2010	11/16/2010	11/16/2010	11/17/2010	11/30/2010
			% SOLID	93.0	95.0	78.0	91.0	88.0	80.0	80.8

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* or ** = Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT A- SURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3SW8; MA3SS9; MA3ST4; MA3ST6; MA3ST5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3ST6	MA3ST7	MA3ST8	MA3ST9	MA3SW0	MA3SW1	MA3SW2
			SAMPLE LOCATION	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14
			STATION LOCATION	LM-0008	LM-0009	LM-0010	LM-0011	LM-0012	LM-0013	LM-0014
			LABORATORY NUMBER	11494(S)	11495(S)	11512(S)	11513(S)	11514(S)	11515(S)	11516(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	6650 J	37900 J	10400	7630	7700	7960	9800
Antimony	ICP	0.27	6	6.2 U	1580 U	R	R	8.8 J	124 J	1.7 J
Arsenic	ICP	0.2	1	2.8	109 J	5.3 J	3.1 J	9.1 J	50.2 J	6.7 J
Barium	ICP	0.094	20	22.3 J	4100 J	163	44.4	267	676	246
Beryllium	ICP	0.013	0.5	0.16 J	132 UJ	0.056 J	0.52 UJ	0.54 UJ	0.59 UJ	0.54 UJ
Cadmium	ICP	0.013	0.5	0.041 J	104 J	4.3	0.22 J	8.3	38.5	5.9
Calcium	ICP	3.5	500	1670 J	8480 J	1870	1240	1910	3990	3390
Chromium	ICP	0.075	1	12	361	40.1	19.7	96.5	338 **	32.1
Cobalt	ICP	0.085	5	2.9 J	1320 UJ	7.7 J	5.3 J	14.4 J	25 J	8 J
Copper	ICP	0.18	2.5	10.5 J	2350 J	142 J	9.2 J	237 J	1890 **J	126 J
Iron	ICP	0.68	10	8490 J	494000 J	40900 *	11200	81500 *	301000 **	29100 *
Lead	ICP	0.25	1	16.4 J	2520 J	304	2.8	656	5190 **	250
Magnesium	ICP	1.3	500	2400 J	11100 J	4030	3640	3430	3810	3300
Manganese	ICP	0.017	1.5	98.8 J	1970 J	353 J	181 J	511 J	1590 **J	259 J
Mercury	CV	0.003	0.1	R	0.57 J	0.25	0.1 UJ	0.11 UJ	0.066 J	0.11 UJ
Nickel	ICP	0.055	4	9.2 J	1290 J	66.2	16.5	182	397	48.9
Potassium	ICP	8.9	500	1020	4820 J	1920	1960	1350 J	R	1720
Selenium	ICP	0.29	3.5	3.6 U	922 U	R	R	R	4.1 U	R
Silver	ICP	0.083	1	0.68 J	45.7 J	1.1 UJ	1 UJ	1.1 UJ	5.9 * UJ	1.1 UJ
Sodium	ICP	2.6	500	171 J	1790 J	R	116 J	R	R	R
Thallium	ICP	0.15	2.5	2.6 U	49.3 J	2.7 UJ	2.6 UJ	2.7 UJ	3 UJ	2.7 UJ
Vanadium	ICP	0.11	5	14.1 J	59.3 J	23.7	18.9	20.7	83.3	18.6
Zinc	ICP	0.12	6	24.4 JEB	24300 JEB	1220 *JEB	39.8 J	1510 *JEB	8120 **JEB	683 *JEB
			DILUTION FACTOR	1.0	200.0	1.0 / 5.0 *	1.0	1.0 / 5.0 *	1 / 5* / 20 **	1.0 / 2.0 *
			DATE SAMPLED	11/18/2010	11/18/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010
			% SOLID	96.1	75.9	91.8	96.8	91.8	84.5	92.8

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* or ** = Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT A- SURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3SW8; MA3SS9; MA3ST4; MA3ST6; MA3ST5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3SW3	MA3SW4	MA3SW5	MA3SW6	MA3SW7	MA3SW8	MA3SW9
			SAMPLE LOCATION	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21
			STATION LOCATION	LM-0015	LM-0016	LM-0017	LM-0018	LM-0019	LM-0020	LM-0021
			LABORATORY NUMBER	11517(S)	11496(S)	11470(S)	11471(S)	11406(S)	11185(S)	11472(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	21700	36400 J	136000 *	15400	5860 EB	11300 JEB	55200 *
Antimony	ICP	0.27	6	6.2 J	1430 U	R	R	9 U	R	R
Arsenic	ICP	0.2	1	12.9 J	95.5 J	164 *J	7.3 J	2.9	4.6 J	590 *UJ
Barium	ICP	0.094	20	194	2010 J	4670 *J	57.7 J	29.3 J	157 J	9250 *J
Beryllium	ICP	0.013	0.5	0.059 J	119 U	220 *UJ	0.61 U	0.75 UJ	0.56 UJ	72.2 *J
Cadmium	ICP	0.013	0.5	2.5	37.5 J	70.1 *J	0.56 J	0.39 J	3.5 J	183 *J
Calcium	ICP	3.5	500	9270	8450 J	23900 *J	827	1400 J	2440 J	36800 *J
Chromium	ICP	0.075	1	81.1	245	587 *	24.1	13.1 J	26 J	606 *
Cobalt	ICP	0.085	5	16.9 J	1190 UJ	2210 *UJ	10.5 J	3.5 J	5.7 J	85.4 *J
Copper	ICP	0.18	2.5	1480 *J	1100 J	1990 *J	28.7 J	10.8 J	1000 *J	10300 *
Iron	ICP	0.68	10	23500	637000 J	705000 *	20100	9540 J	60400 *J	1160000 *
Lead	ICP	0.25	1	155	1820 J	2480 *	26.9	12.9 JEB	167 JEB	9140 *J
Magnesium	ICP	1.3	500	8870	3690 J	49100 *J	4330	2730	3400 J	68200 *J
Manganese	ICP	0.017	1.5	375 J	2510 J	4280 *EB	182 EB	142 JEB	260 JEB	5610 *EB
Mercury	CV	0.003	0.1	0.28	0.14 J	0.32	0.039 J	0.0069 JEB	0.16 J	1.3
Nickel	ICP	0.055	4	90	513 J	1030 *J	22.8	13.6 J	61.8 J	1610 *J
Potassium	ICP	8.9	500	5000	5670 J	17700 *J	1090 J	1230	1130	295000 *UJ
Selenium	ICP	0.29	3.5	R	832 U	179 *J	4.3 UJ	5.3 U	3.9 UJ	2060 *UJ
Silver	ICP	0.083	1	1.2 UJ	50.4 J	441 *U	1.2 U	R	R	590 *U
Sodium	ICP	2.6	500	896 J	2530 J	5090 *J	614 UJ	183 J	R	1770 *J
Thallium	ICP	0.15	2.5	3 UJ	595 U	1100 *UJ	3.1 UJ	3.8 U	2.8 U	1470 *UJ
Vanadium	ICP	0.11	5	44.3	68.3 J	277 *J	24.8	14.5	19.5 J	105 *J
Zinc	ICP	0.12	6	522 J	10700 JEB	18700 *JEB	142 JEB	84.4 J	3410 *J	48000 *JEB
			DILUTION FACTOR	1.0 / 10.0 *	200.0	1.0 / 400 *	1.0	1.0	1.0 / 200 *	1.0 / 500 *
			DATE SAMPLED	11/30/2010	11/18/2010	11/18/2010	11/18/2010	11/17/2010	11/11/2010	11/18/2010
			% SOLID	83.0	84.1	90.7	81.4	67.0	89.7	84.8

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* or ** = Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT A- SURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3SW8; MA3SS9; MA3ST4; MA3ST6; MA3ST5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3SX0	MA3SX1	MA3SX2	MA3SX3	MA3SX4	MA3SX5	MA3SX6
			SAMPLE LOCATION	SS-22	SS-23	SS-24	SS-25	SS-26	SS-27	SS-28
			STATION LOCATION	LM-0022	LM-0023	LM-0024	LM-0025	LM-0026	LM-0027	LM-0028
			LABORATORY NUMBER	11473(S)	11474(S)	11475(S)	11186(S)	11187(S)	11476(S)	11188(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	10900	37400 *	7780	8780 JEB	12600 JEB	22000 *	30700 JEB
Antimony	ICP	0.27	6	R	R	1.3 J	R	10.1 J	R	31.6 J
Arsenic	ICP	0.2	1	7.5 J	158 *J	3.7 J	13.4 J	16.4 J	459 * UJ	28.4 J
Barium	ICP	0.094	20	196 J	2810 *J	135 J	953 J	1830 J	3820 *J	1640 J
Beryllium	ICP	0.013	0.5	0.61 U	236 *UJ	0.53 UJ	0.57 UJ	0.58 UJ	48.9 *J	0.05 J
Cadmium	ICP	0.013	0.5	4.8 J	77 *J	0.85 J	26 J	32.1 J	61 *J	35.9 J
Calcium	ICP	3.5	500	2500	12600 *J	1680	4390 J	3460 J	6940 *J	15500 J
Chromium	ICP	0.075	1	31.7	374 *J	16.1	76.5 J	100 J	252 *J	143 J
Cobalt	ICP	0.085	5	8.4 *J	2360 *UJ	5.3 UJ	13.6 J	18.7 J	2300 *UJ	23.6 J
Copper	ICP	0.18	2.5	380 *J	6020 *J	171	4970 *J	3370 * J	2930 *	7630 *J
Iron	ICP	0.68	10	37400	281000 *	13900	292000 *J	126000 * J	210000 *	374000 *J
Lead	ICP	0.25	1	198	3000 *	36.4	929 J EB	3890 *JEB	1710 *	6040 *JEB
Magnesium	ICP	1.3	500	4060	13100 *J	3270	4510 J	3480 J	41900 *J	8970 J
Manganese	ICP	0.017	1.5	306 EB	1860 *EB	171	1940 *J	699 *J	1230 *EB	2250 *J
Mercury	CV	0.003	0.1	0.11 J	0.63	0.035 J	0.49 J	0.92 J	0.72	1.4 J
Nickel	ICP	0.055	4	44.1	715 *J	14.2	199 J	1080 *J	497 *J	1740 *J
Potassium	ICP	8.9	500	1510 J	236000 *UJ	1450 J	803	807	230000 *UJ	384 J
Selenium	ICP	0.29	3.5	4.3 UJ	1650 *UJ	3.7 UJ	4 UJ	4.1 UJ	1610 *UJ	4.3 UJ
Silver	ICP	0.083	1	0.12 J	472 *UJ	1.1 UJ	R	R	459 *U	R
Sodium	ICP	2.6	500	612 UJ	2730 *J	531 UJ	R	R	230000 *UJ	R
Thallium	ICP	0.15	2.5	3.1 UJ	1180 *UJ	2.7 UJ	2.8 U	2.9 U	1150 *UJ	3 U
Vanadium	ICP	0.11	5	23.8	96.6 *J	16.5	21.9 J	17.8 J	2300 *U	18.4 J
Zinc	ICP	0.12	6	2020 *JEB	19900 *JEB	380 JEB	38300 *J	40400 *J	17700 *JEB	85900 *J
			DILUTION FACTOR	1.0 / 10.0 *	1.0 / 400 *	1.0	1.0 / 200 *	1.0 / 200 *	1.0 / 400 *	1.0 / 200 *
			DATE SAMPLED	11/18/2010	11/18/2010	11/18/2010	11/09/2010	11/09/2010	11/18/2010	11/09/2010
			% SOLID	81.7	84.7	94.1	88.1	86.1	87.1	82.0

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* or ** = Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT A- SURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3SW8; MA3SS9; MA3ST4; MA3ST6; MA3ST5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3SX7	MA3SX8	MA3SX9	MA3SY0	MA3SY1	MA3SY2	MA3SY3
			SAMPLE LOCATION	SS-29	SS-30	SS-31	SS-32	SS-33	SS-34	SS-35
			STATION LOCATION	LM-0029	LM-0030	LM-0031	LM-0032	LM-0033	LM-0034	LM-0035
			LABORATORY NUMBER	11189(S)	11190(S)	11191(S)	11407(S)	11408(S)	11497(S)	11498(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	36600 JEB	24700 JEB	17100 JEB	9220 EB	13200 EB	13000 J	26700 J
Antimony	ICP	0.27	6	45.9 J	R	R	6.8 UJ	8.2 U	94.6 J	1850 U
Arsenic	ICP	0.2	1	32.4 J	28.9 J	44.5 J	3.5	6.3	129 J	97.8 J
Barium	ICP	0.094	20	1500 J	1590 J	1260 J	25.2 J	64 J	7610 J	12400 J
Beryllium	ICP	0.013	0.5	0.026 J	0.035 J	0.65 UJ	0.57 UJ	0.68 UJ	155 UJ	154 UJ
Cadmium	ICP	0.013	0.5	42 J	46 J	49.3 J	0.57 UJ	0.9 J	116 J	109 J
Calcium	ICP	3.5	500	8570 J	11100 J	10100 J	368 J	1020 J	22000 J	55900 J
Chromium	ICP	0.075	1	661 * J	199 J	137 J	11.9 J	20.7 J	620	643
Cobalt	ICP	0.085	5	77.7	17.1 J	34.3 J	2.5 J	6.1 J	1550 UJ	1540 UJ
Copper	ICP	0.18	2.5	12500 *J	6400 *J	18200 *J	10.1 J	33.5 J	1880 J	1420 J
Iron	ICP	0.68	10	392000 *J	417000 *J	1410000 *J	10300 J	18600 J	759000 J	792000 J
Lead	ICP	0.25	1	5610 *JEB	5260 *JEB	4570 *JEB	10.1 JEB	69.2 JEB	3620 J	4980 J
Magnesium	ICP	1.3	500	5800 J	5710 J	5760 J	1450	3210	6990 J	17000 J
Manganese	ICP	0.017	1.5	2380 *J	2420 *J	4660 *J	65.8 J	167 J	3120 J	2880 J
Mercury	CV	0.003	0.1	1.5 J	0.94 J	1.8 J	0.45	0.56	0.7 J	6 J
Nickel	ICP	0.055	4	3560 *J	509 J	276 J	8.8 J	21.3 J	770 J	540 J
Potassium	ICP	8.9	500	647	565 J	327 J	460 J	1280	4800 J	6900 J
Selenium	ICP	0.29	3.5	4.4 UJ	4.5 UJ	4.6 UJ	4 U	4.8 U	1090 UJ	1080 U
Silver	ICP	0.083	1	R	R	144 *J	R	R	61.8 J	82.5 J
Sodium	ICP	2.6	500	R	R	R	R	R	1420 J	4570 J
Thallium	ICP	0.15	2.5	3.2 U	3.2 U	2.4 J	2.8 U	3.4 U	70.4 J	770 U
Vanadium	ICP	0.11	5	25.3 J	20.3 J	23.1 J	15.2	24	62.4 J	68.4 J
Zinc	ICP	0.12	6	97300 ** J	95000 *J	35500 *J	25.1 J	106 J	9140 JEB	13600 JEB
			DILUTION FACTOR	1 / 200* / 250 **	1.0 / 200 *	1.0 / 200 *	1.0	1.0	200.0	200.0
			DATE SAMPLED	11/09/2010	11/09/2010	11/09/2010	11/16/2010	11/16/2010	11/18/2010	11/18/2010
			% SOLID	78.8	78.1	76.8	88.0	73.0	64.4	64.9

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
** or ** = Reported value is from diluted analysis.*
All results are reported on a Dry Weight Basis.

ATTACHMENT A- SURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3SW8; MA3SS9; MA3ST4; MA3ST6; MA3ST5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3SY4	MA3SY5	MA3SY6	MA3SY7	MA3SY8	MA3SY9	MA3SZ0
			SAMPLE LOCATION	SS-36	SS-37	SS-38	SS-39	SS-40	SS-41	SS-42
			STATION LOCATION	LM-0036	LM-0037	LM-0038	LM-0039	LM-0040	LM-0041	LM-0042
			LABORATORY NUMBER	11499(S)	11409(S)	11410(S)	11411(S)	11477(S)	11478(S)	11479(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	19500 J	11300 EB	4770 EB	65500 *EB	5740	10200	7150
Antimony	ICP	0.27	6	1700 U	7.9 U	8 U	2600 *UJ	R	R	R
Arsenic	ICP	0.2	1	202 J	3.8	2.5	430 *U	2.1 J	6.6 J	3.3 J
Barium	ICP	0.094	20	9350 J	27.6 J	87.8 J	2840 *J	21.6 UJ	62.4 J	39.9 J
Beryllium	ICP	0.013	0.5	13.8 J	0.66 UJ	0.66 UJ	210 *UJ	0.54 UJ	0.63 U	0.55 UJ
Cadmium	ICP	0.013	0.5	90.6 J	0.34 J	5 J	149 *J	0.54 UJ	0.46 J	0.55 UJ
Calcium	ICP	3.5	500	37600 J	940 JEB	1040 JEB	12200 *J	882	1730	814
Chromium	ICP	0.075	1	521	17.9 J	10.2 J	388 *J	10.1	24.2	15.2
Cobalt	ICP	0.085	5	1420 UJ	5.7 J	1.6 J	2100 *UJ	5.4 UJ	8.9 J	5.5 UJ
Copper	ICP	0.18	2.5	2030 J	8.7 J	56.1 J	3240 *J	6.5 J	24.9 J	7.9 J
Iron	ICP	0.68	10	839000 J	13100 J	14800 J	353000 *J	8210	15700	10400
Lead	ICP	0.25	1	5440 J	8.5 JEB	85 JEB	3050 *JEB	5.2	36	2.1
Magnesium	ICP	1.3	500	12300 J	3160	918	10900 *J	2310	4190	2740
Manganese	ICP	0.017	1.5	3060 J	172 JEB	211 JEB	2120 *JEB	140 EB	217 EB	119 EB
Mercury	CV	0.003	0.1	0.41 J	0.016 JEB	0.068 JEB	0.47 EB	0.013 J	0.016 J	0.021 J
Nickel	ICP	0.055	4	1270 J	13 J	10.6 J	413 *J	8.2 EB	23.5	8.5 EB
Potassium	ICP	8.9	500	5010 J	1200	271 J	210000 *UJ	850 J	2270 J	1890 J
Selenium	ICP	0.29	3.5	992 U	4.6 U	4.7 U	1500 *U	3.8 UJ	4.4 UJ	3.8 UJ
Silver	ICP	0.083	1	84.5 J	R	R	R	1.1 UJ	1.3 U	1.1 UJ
Sodium	ICP	2.6	500	2170 J	159 J	R	210000 *U	539 UJ	630 UJ	549 UJ
Thallium	ICP	0.15	2.5	65.5 J	3.3 U	3.3 U	1100 *U	2.7 UJ	3.1 UJ	2.7 UJ
Vanadium	ICP	0.11	5	69.9 J	21.1	14.8	67.2 *J	11.8	22.9	17.1
Zinc	ICP	0.12	6	6650 JEB	32.7 J	425 J	20900 *J	14.7 JEB	196 JEB	17.5 JEB
			DILUTION FACTOR	200.0	1.0	1.0	1.0 / 400 *	1.0	1.0	1.0
			DATE SAMPLED	11/18/2010	11/17/2010	11/17/2010	11/17/2010	11/17/2010	11/17/2010	11/17/2010
			% SOLID	70.6	76.0	75.0	94.0	92.8	79.4	91.0

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* or ** = Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT A- SURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3SW8; MA3SS9; MA3ST4; MA3ST6; MA3ST5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3SZ1	MA3SZ2	MA3T03	MA3TR8	MA3TR9		
			SAMPLE LOCATION	SS-43	SS-44	SS-50	SS-52	SS-53		
			STATION LOCATION	LM-0043	LM-0044	LM-0055	LM-0310	LM-0311		
			LABORATORY NUMBER	11412(S)	11192(S)	11502(S)	11524(S)	11525(S)		
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	9480 EB	10400 J EB	157000 J	19700	21300		
Antimony	ICP	0.27	6	6.8 U	28 J	3380	R	3.6 J		
Arsenic	ICP	0.2	1	2.8	7.9 J	205 J	11.6 J	11.4 J		
Barium	ICP	0.094	20	39.3 J	257 J	12000 J	87.8	181		
Beryllium	ICP	0.013	0.5	0.57 UJ	0.11 J	136 UJ	0.6 UJ	0.6 UJ		
Cadmium	ICP	0.013	0.5	0.57 UJ	5.1 J	35.6 J	0.43 J	2		
Calcium	ICP	3.5	500	935 J	2780 J	58700 J	9280	8910		
Chromium	ICP	0.075	1	16.9 J	27.5 J	819	75.1	79.5		
Cobalt	ICP	0.085	5	5.1 J	6 J	1360 UJ	13.9 J	15.4 J		
Copper	ICP	0.18	2.5	8.9 J	218 J	180000 *J	61.8 J	1130 *J		
Iron	ICP	0.68	10	13500 J	59500 *J	722000 J	22400	21700		
Lead	ICP	0.25	1	5.6 JEB	863 JEB	20900 J	22.7	119		
Magnesium	ICP	1.3	500	3560	3160 J	31500 J	8380	8500		
Manganese	ICP	0.017	1.5	192 J	243 JEB	4650 J	311 J	331 J		
Mercury	CV	0.003	0.1	0.0087 J	0.15 J	0.15 J	0.048 J	0.12 UJ		
Nickel	ICP	0.055	4	12.1 J	47.7 J	885 J	67	90.7		
Potassium	ICP	8.9	500	1780	792	13200 J	4720	4860		
Selenium	ICP	0.29	3.5	4 U	3.9 UJ	955 UJ	R	R		
Silver	ICP	0.083	1	R	R	83.4 J	1.2 UJ	1.2 UJ		
Sodium	ICP	2.6	500	R	R	3820 J	825 J	874 J		
Thallium	ICP	0.15	2.5	2.9 U	2.8 U	99 J	3 UJ	3 UJ		
Vanadium	ICP	0.11	5	22.3	16.5 J	442 J	40.9	41.2		
Zinc	ICP	0.12	6	30.7 J	7490 *J	167000 *JEB	98.4 J	3730 *JEB		
			DILUTION FACTOR	1.0	1.0 / 200 *	200 / 2,000 *	1.0	1.0 / 10.0 *		
			DATE SAMPLED	11/16/2010	11/11/2010	11/18/2010	11/30/2010	11/30/2010		
			% SOLID	88.0	90.1	73.3	83.4	83.6		

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* or ** = Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT B

LEEDS METAL
EQUIPMENT RINSATE BLANK, TRIP BLANK, AND PRESERVATIVE BLANK
SAMPLE ANALYTICAL RESULTS
START
Samples Collected on 8 through 30 November 2010

DATA SUMMARY KEY
SURFACE SOIL/SOURCE

J	=	The associated numerical value is an estimated quantity.
U	=	The compound or element was analyzed for, but not detected. The associated numerical value is the sample-adjusted CRQL.
UJ	=	The compound or element was analyzed for, but not detected. The associated numerical value is the estimated sample-adjusted CRQL.
R	=	The value for the compound of element was rejected due to failure of one or more quality control parameters.
B	=	The compound was identified in a blank.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST5
A3ST6; A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
SOIL AND SEDIMENT- EQUIPMENT RINSATE AND TRIP BLANKS
µg/L

SAMPLE NUMBER		A3TA7	A3TA8	A3TA9	A3TB0	A3TB1	A3TB2	A3TB3
SAMPLE LOCATION		RB-08	RB-09	RB-10	RB-11	RB-12	RB-13	RB-14
STATION LOCATION		LM-0159	LM-0160	LM-0161	LM-0162	LM-0163	LM-0164	LM-0165
LABORATORY NUMBER		200-2456-16	200-2456-17	200-2475-13	200-2475-14	200-2546-15	200-2546-16	200-2582-17
COMPOUND	CRQL							
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Chloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Vinyl chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Bromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Chloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Acetone	10	10 U	10 U	10 U	4.9 J	8.1 J	2.7 J	10 U
Carbon disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Methyl acetate	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Methylene chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Methyl tert-butyl ether	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
2-Butanone	10	3.5 J	10 U	10 U	10 U	10 U	10 U	10 U
Bromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Chloroform	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Cyclohexane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Carbon tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Benzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,4-Dioxane	100	100 U	100 U	100 UJ	100 UJ	100 U	100 U	100 UJ
Trichloroethene	5	5 U	5 U	0.24 J	5 U	0.29 J	5 U	5.0 U
Methylcyclohexane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	0.14 J	0.13 J	0.2 J	0.14 J	0.17 J	0.13 J	0.12 J
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,2-Dibromoethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
o-Xylene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
m,p-Xylene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
Isopropylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,2-Dibromo-3-chloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
1,2,3-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5.0 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/08/2010	11/09/2010	11/09/2010	11/11/2010	11/15/2010	11/16/2010	11/16/2010
DATE ANALYZED		11/15/2010	11/15/2010	11/16/2010	11/15/2010	11/26/2010	11/26/2010	11/26/2010

NOTES: µg/L = micrograms per Liter
CRQL = Contract Required Quantitation Limit

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST5
A3ST6; A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
SOIL AND SEDIMENT- EQUIPMENT RINSATE AND TRIP BLANKS
µg/L

	SAMPLE NUMBER	A3TB4	A3TB5	A3TB6	A3TB7	A3TB8	A3TD7	A3TD8
	SAMPLE LOCATION	RB-15	RB-16	RB-17	RB-18	RB-19	TB-05	TB-06
	STATION LOCATION	LM-0166	LM-0167	LM-0168	LM-0169	LM-0170	LM-0189	LM-0190
	LABORATORY NUMBER	200-2582-18	200-2619-19	200-2619-20	200-2623-14	200-2733-14	200-2456-18	200-2475-15
COMPOUND	CRQL							
Dichlorodifluoromethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Chloromethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Vinyl chloride	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Bromomethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Chloroethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Trichlorofluoromethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,1-Dichloroethene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Acetone	10	4.0 J	4.3 J	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Methyl acetate	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Methylene chloride	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
trans-1,2-Dichloroethene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Methyl tert-butyl ether	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,1-Dichloroethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
cis-1,2-Dichloroethene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
2-Butanone	10	10 U	3.4 J	10 U	10 U	10 U	10 U	10 U
Bromochloromethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Chloroform	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,1,1-Trichloroethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Cyclohexane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Carbon tetrachloride	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Benzene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,2-Dichloroethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,4-Dioxane	100	100 UJ	100 UJ	100 UJ	100 UJ	100 U	100 U	100 UJ
Trichloroethene	5	5.0 U	5 U	5 U	5 U	0.25 J	5 U	5 U
Methylcyclohexane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,2-Dichloropropane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Bromodichloromethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
cis-1,3-Dichloropropene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	5	0.11 J	0.1 J	0.1 J	0.1 J	0.14 J	0.14 J	0.14 J
trans-1,3-Dichloropropene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,1,2-Trichloroethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Tetrachloroethene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,2-Dibromoethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Chlorobenzene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Ethylbenzene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
o-Xylene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
m,p-Xylene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Styrene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Bromoform	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
Isopropylbenzene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,3-Dichlorobenzene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,4-Dichlorobenzene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,2-Dichlorobenzene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,2-Dibromo-3-chloropropane	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,2,4-Trichlorobenzene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
1,2,3-Trichlorobenzene	5	5.0 U	5 U	5 U	5 U	5.0 U	5 U	5 U
	DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	DATE SAMPLED	11/17/2010	11/17/2010	11/18/2010	11/18/2010	11/30/2010	11/08/2010	11/08/2010
	DATE ANALYZED	11/26/2010	11/26/2010	11/26/2010	11/29/2010	12/03/2010	11/15/2010	11/15/2010

NOTES: µg/L = micrograms per Liter
CRQL = Contract Required Quantitation Limit

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST5
A3ST6; A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
SOIL AND SEDIMENT- EQUIPMENT RINSATE AND TRIP BLANKS
µg/L

SAMPLE NUMBER		A3TD9	A3TE0	A3TE1	A3TE2	A3TE3	A3TE4	A3TE5
SAMPLE LOCATION		TB-07	TB-08	TB-09	TB-10	TB-11	TB-12	TB-13
STATION LOCATION		LM-0191	LM-0192	LM-0193	LM-0194	LM-0195	LM-0196	LM-0197
LABORATORY NUMBER		200-2475-16	200-2475-17	200-2475-18	200-2546-17	200-2582-19	200-2582-20	200-2582-21
COMPOUND	CRQL							
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Chloromethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Vinyl chloride	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Bromomethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Chloroethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Acetone	10	10 U	10 U	10 U	10 U	2.6 J	2.3 J	10 U
Carbon disulfide	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Methyl acetate	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Methylene chloride	5	5 U	5 U	5 U	0.38 J	0.67 J	0.62 J	0.56 J
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromochloromethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Chloroform	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Cyclohexane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Benzene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,4-Dioxane	100	100 UJ	100 UJ	100 UJ	100 U	100 UJ	100 UJ	100 UJ
Trichloroethene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Methylcyclohexane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	2.7 J	2.7 J	2.8 J	2.8 J
Toluene	5	0.15 J	0.15 J	0.14 J	0.15 J	0.15 J	0.15 J	0.14 J
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,2-Dibromoethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
o-Xylene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
m,p-Xylene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Styrene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Bromoform	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5.0 U	5.0 U	5.0 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/08/2010	11/08/2010	11/08/2010	11/15/2010	11/17/2010	11/18/2010	11/15/2010
DATE ANALYZED		11/15/2010	11/15/2010	11/15/2010	11/26/2010	11/26/2010	11/26/2010	11/26/2010

NOTES: µg/L = micrograms per Liter
CRQL = Contract Required Quantitation Limit

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST5
A3ST6; A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
SOIL AND SEDIMENT- EQUIPMENT RINSATE AND TRIP BLANKS
µg/L

SAMPLE NUMBER		A3TE6	A3TE7	A3TE8	A3TE9	A3TF0	A3TF1	A3TF2
SAMPLE LOCATION		TB-14	TB-15	TB-16	TB-17	TB-18	TB-19	TB-20
STATION LOCATION		LM-0198	LM-0199	LM-0200	LM-0201	LM-0202	LM-0203	LM-0204
LABORATORY NUMBER		200-2582-22	200-2582-23	200-2582-24	200-2619-21	200-2619-22	200-2619-23	200-2619-24
COMPOUND	CRQL							
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Chloromethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Vinyl chloride	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Bromomethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Chloroethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Acetone	10	2.7 J	2.6 J	2.6 J	10 U	3.3 J	10 U	10 U
Carbon disulfide	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Methyl acetate	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Methylene chloride	5	0.91 J	0.63 J	0.51 J	0.66 J	0.58 J	0.84 J	0.84 J
trans-1,2-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromochloromethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Chloroform	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Cyclohexane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Benzene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,4-Dioxane	100	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ
Trichloroethene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Methylcyclohexane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Bromodichloromethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10	2.7 J	2.8 J	2.6 J	2.8 J	2.7 J	2.6 J	2.6 J
Toluene	5	0.14 J	0.15 J	0.15 J	0.15 J	0.16 J	0.18 J	0.16 J
trans-1,3-Dichloropropene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
o-Xylene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
m,p-Xylene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Styrene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Bromoform	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
1,2,3-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U	5 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/15/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010
DATE ANALYZED		11/26/2010	11/26/2010	11/26/2010	11/26/2010	11/26/2010	11/29/2010	11/29/2010

NOTES: µg/L = micrograms per Liter
CRQL = Contract Required Quantitation Limit

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST5
A3ST6; A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
SOIL AND SEDIMENT- EQUIPMENT RINSATE AND TRIP BLANKS
µg/L

SAMPLE NUMBER		A3TF3	A3TF4	A3TR3	A3TR4	A3TR5	A3TR6	A3TR7
SAMPLE LOCATION		TB-21	TB-22	TB-23	TB-24	TB-25	TB-26	TB-27
STATION LOCATION		LM-0205	LM-0206	LM-0305	LM-0306	LM-0307	LM-0308	LM-0309
LABORATORY NUMBER		200-2619-25	200-2619-26	200-2623-17	200-2623-18	200-2623-19	200-2623-20	200-2623-21
COMPOUND	CRQL							
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl acetate	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5	0.88 J	0.82 J	5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cyclohexane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5	5 U	5 U	R	R	R	R	R
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	100	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10	2.6 J	2.7 J	10 U	10 U	10 U	10 U	10 U
Toluene	5	0.15 J	0.14 J	0.13 J	0.11 J	0.11 J	0.11 J	0.11 J
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	5 U	R	R	R	R	R
Ethylbenzene	5	5 U	5 U	R	R	R	R	R
o-Xylene	5	5 U	5 U	R	R	R	R	R
m,p-Xylene	5	5 U	5 U	R	R	R	R	R
Styrene	5	5 U	5 U	R	R	R	R	R
Bromoform	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	5 U	5 U	R	R	R	R	R
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,3-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/15/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010
DATE ANALYZED		11/29/2010	11/29/2010	11/29/2010	11/29/2010	11/29/2010	11/29/2010	11/29/2010

NOTES: µg/L = micrograms per Liter
CRQL = Contract Required Quantitation Limit

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST5
A3ST6; A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
SOIL AND SEDIMENT- EQUIPMENT RINSATE AND TRIP BLANKS
µg/L

SAMPLE NUMBER		A3TC7	A3TC8	A3TC9	A3TD0	A3TD1	A3TD2	
SAMPLE LOCATION		TB-28	TB-29	TB-30	TB-31	TB-32	TB-33	
STATION LOCATION		LM-0179	LM-0180	LM-0181	LM-0182	LM-0183	LM-0184	
LABORATORY NUMBER		200-2733-15	200-2733-16	200-2733-17	200-2733-18	200-2733-19	200-2733-20	
COMPOUND	CRQL							
Dichlorodifluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Chloromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Vinyl chloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Bromomethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Chloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Trichlorofluoromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,1-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,1,2-Trichloro-1,2,2-trifluoroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Acetone	10	14	4.7 J	4.3 J	3.9 J	16	4.0 J	
Carbon disulfide	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Methyl acetate	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Methylene chloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
trans-1,2-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Methyl tert-butyl ether	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,1-Dichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
cis-1,2-Dichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
2-Butanone	10	11	10 U	10 U	10 U	13	10 U	
Bromochloromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Chloroform	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,1,1-Trichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Cyclohexane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Carbon tetrachloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Benzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,2-Dichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,4-Dioxane	100	100 U	100 U	100 U	100 U	100 U	100 U	
Trichloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Methylcyclohexane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,2-Dichloropropane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Bromodichloromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
cis-1,3-Dichloropropene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
4-Methyl-2-pentanone	10	10 U	10 U	2.5 J	2.6 J	2.6 J	2.7 J	
Toluene	5	0.11 J	0.10 J	0.10 J	0.11 J	0.11 J	0.097 J	
trans-1,3-Dichloropropene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,1,2-Trichloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Tetrachloroethene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U	10 U	
Dibromochloromethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,2-Dibromoethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Chlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Ethylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
o-Xylene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
m,p-Xylene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Styrene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Bromoform	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
Isopropylbenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,1,2,2-Tetrachloroethane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,3-Dichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,4-Dichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,2-Dichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,2-Dibromo-3-chloropropane	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,2,4-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,2,3-Trichlorobenzene	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	
DATE SAMPLED		11/29/2010	11/29/2010	11/29/2010	11/29/2010	11/29/2010	11/29/2010	
DATE ANALYZED		12/03/2010	12/03/2010	12/03/2010	12/03/2010	12/03/2010	12/03/2010	

NOTES: µg/L = micrograms per Liter
CRQL = Contract Required Quantitation Limit

ATTACHMENT B- EQUIPMENT RINSATE, TRIP, AND PRESERVATIVE BLANK SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST5
A3ST6; A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
SOIL AND SEDIMENT- EQUIPMENT RINSATE BLANKS
µg/L

SAMPLE NUMBER		A3TA7	A3TA8	A3TA9	A3TB0	A3TB1	A3TB2	A3TB3
SAMPLE LOCATION		RB-08	RB-09	RB-10	RB-11	RB-12	RB-13	RB-14
STATION LOCATION		LM-0159	LM-0160	LM-0161	LM-0162	LM-0163	LM-0164	LM-0165
LABORATORY NUMBER		200-2456-16	200-2456-17	200-2475-13	200-2475-14	200-2546-15	200-2546-16	200-2582-17
COMPOUND	CRQL							
Aroclor-1016	1	1.2 U	0.96 U	0.96 UJ	0.99 U	0.95 U	1.0 U	0.94 U
Aroclor-1221	1	1.2 U	0.96 U	0.96 UJ	0.99 U	0.95 U	1.0 U	0.94 U
Aroclor-1232	1	1.2 U	0.96 U	0.96 UJ	0.99 U	0.95 U	1.0 U	0.94 U
Aroclor-1242	1	1.2 U	0.96 U	0.96 UJ	0.99 U	0.95 U	1.0 U	0.94 U
Aroclor-1248	1	1.2 U	0.96 U	0.96 UJ	0.99 U	0.95 U	1.0 U	0.94 U
Aroclor-1254	1	1.2 U	0.96 U	0.96 UJ	0.99 U	0.95 U	1.0 U	0.94 U
Aroclor-1260	1	1.2 U	0.96 U	0.96 UJ	0.99 U	0.95 U	1.0 U	0.94 U
Aroclor-1262	1	1.2 U	0.96 U	0.96 UJ	0.99 U	0.95 U	1.0 U	0.94 U
Aroclor-1268	1	1.2 U	0.96 U	0.96 UJ	0.99 U	0.95 U	1.0 U	0.94 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/08/2010	11/09/2010	11/09/2010	11/11/2010	11/16/2010	11/16/2010	11/16/2010
DATE EXTRACTED		11/14/2010	11/14/2010	11/14/2010	11/14/2010	11/19/2010	11/19/2010	11/22/2010
DATE ANALYZED		11/20/2010	11/20/2010	11/20/2010	11/20/2010	11/24/2010	11/24/2010	12/01/2010

NOTES:
µg/L = micrograms per Liter
CRQL = Contract Required Quantitation Limit

ATTACHMENT B- EQUIPMENT RINSATE, TRIP, AND PRESERVATIVE BLANK SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST5
A3ST6; A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
SOIL AND SEDIMENT- EQUIPMENT RINSATE BLANKS
µg/L

	SAMPLE NUMBER	A3TB4	A3TB5	A3TB6	A3TB7	A3TB8		
	SAMPLE LOCATION	RB-15	RB-16	RB-17	RB-18	RB-19		
	STATION LOCATION	LM-0166	LM-0167	LM-0168	LM-0169	LM-0170		
	LABORATORY NUMBER	200-2582-18	200-2619-19	200-2619-20	200-2623-14	200-2733-14		
COMPOUND	CRQL							
Aroclor-1016	1	0.96 U	0.95 U	0.94 U	0.94 UJ	0.99 U		
Aroclor-1221	1	0.96 U	0.95 U	0.94 U	0.94 UJ	0.99 U		
Aroclor-1232	1	0.96 U	0.95 U	0.94 U	0.94 UJ	0.99 U		
Aroclor-1242	1	0.96 U	0.95 U	0.94 U	0.94 UJ	0.99 U		
Aroclor-1248	1	0.96 U	0.95 U	0.94 U	0.94 UJ	0.99 U		
Aroclor-1254	1	0.96 U	0.95 U	0.94 U	0.94 UJ	0.99 U		
Aroclor-1260	1	0.96 U	0.95 U	0.94 U	0.94 UJ	0.99 U		
Aroclor-1262	1	0.96 U	0.95 U	0.94 U	0.94 UJ	0.99 U		
Aroclor-1268	1	0.96 U	0.95 U	0.94 U	0.94 UJ	0.99 U		
	DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0		
	DATE SAMPLED	11/17/2010	11/17/2010	11/18/2010	11/18/2010	11/30/2010		
	DATE EXTRACTED	11/19/2010	11/22/2010	11/22/2010	11/22/2010	12/02/2010		
	DATE ANALYZED	11/24/2010	12/02/2010	12/02/2010	12/02/2010	12/14/2010		

NOTES:
µg/L = micrograms per Liter
CRQL = Contract Required Quantitation Limit

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3TA7, MA3TB5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
SOIL AND SEDIMENT- EQUIPMENT RINSATE BLANKS
µg/L

			SAMPLE NUMBER	MA3TA7	MA3TA8	MA3TA9	MA3TB0	MA3TB1	MA3TB2	MA3TB3
			SAMPLE LOCATION	RB-08	RB-09	RB-10	RB-11	RB-12	RB-13	RB-14
			STATION LOCATION	LM-0159	LM-0160	LM-0161	LM-0162	LM-0163	LM-0164	LM-0165
			LABORATORY NUMBER	11143(S)	11144(S)	11183(S)	11184(S)	11366(S)	11367(S)	11368(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	P	25.1	200	101 J	115 J	132 J	96 J	46.2 J	78 J	110 J
Antimony	P	1.2	60	60 UJ	60 UJ	60 UJ	60 UJ	60 U	60 U	60 UJ
Arsenic	P	3.8	10	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ
Barium	P	3.4	200	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ
Beryllium	P	0.21	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Cadmium	P	0.31	5	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 UJ
Calcium	P	94.3	5000	5000 UJ	5000 UJ	5000 UJ	5000 UJ	5000 U	5000 U	5000 U
Chromium	P	0.51	10	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ
Cobalt	P	1.0	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ
Copper	P	2.1	25	25 UJ	25 UJ	25 UJ	25 UJ	25 U	25 U	25 UJ
Iron	P	5.6	100	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ	100 UJ
Lead	P	1.4	10	2.6 J	2.8 J	2.5 J	2.5 J	2.4 J	2.5 J	2.7 J
Magnesium	P	71.8	5000	5000 UJ	5000 UJ	5000 UJ	5000 UJ	5000 U	5000 U	5000 UJ
Manganese	P	0.30	15	7 J	15 UJ	15 UJ	0.78 J	15 U	15 U	15 U
Mercury	CV	0.029	0.2	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Nickel	P	0.75	40	40 UJ	40 UJ	40 UJ	40 UJ	40 U	40 U	40 UJ
Potassium	P	118	5000	5000 UJ	5000 UJ	5000 UJ	5000 UJ	5000 U	5000 U	5000 UJ
Selenium	P	2.3	35	35 UJ	35 UJ	35 UJ	35 UJ	35 U	35 U	35 UJ
Silver	P	1.2	10	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 UJ
Sodium	P	79.5	5000	5000 UJ	5000 UJ	5000 UJ	5000 UJ	5000 U	5000 U	5000 UJ
Thallium	P	1.5	25	25 UJ	25 UJ	25 UJ	25 UJ	25 U	25 U	25 UJ
Vanadium	P	1.2	50	50 UJ	50 UJ	50 UJ	50 UJ	50 U	50 U	50 UJ
Zinc	P	0.87	60	60 UJ	60 UJ	60 UJ	60 UJ	60 U	60 U	60 UJ
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/08/2010	11/09/2010	11/09/2010	11/11/2010	11/15/2010	11/16/2010	11/16/2010

ANALYTICAL METHOD:
P - INDUCTIVELY COUPLED PLASMA - ATOMIC EMISSION
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per Liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT B- EQUIPMENT RINSATE, TRIP, AND PRESERVATIVE BLANK SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3TA7, MA3TB5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
SOIL AND SEDIMENT- EQUIPMENT RINSATE BLANKS
µg/L

			SAMPLE NUMBER	MA3TB4	MA3TB5	MA3TB6	MA3TB7	MA3TB8		
			SAMPLE LOCATION	RB-15	RB-16	RB-17	RB-18	RB-19		
			STATION LOCATION	LM-0166	LM-0167	LM-0168	LM-0169	LM-0170		
			LABORATORY NUMBER	11369(S)	11467(S)	11468(S)	11493(S)	11510(S)		
ANALYTES	METHOD	MDL	CRQL							
Aluminum	P	25.1	200	75.6 J	200 U	200 U	200 U	200 U		
Antimony	P	1.2	60	60 UJ	1.8 J	60 U	60 U	60 U		
Arsenic	P	3.8	10	10 UJ	10 U	10 U	10 U	10 U		
Barium	P	3.4	200	200 UJ	200 U	200 U	200 U	200 U		
Beryllium	P	0.21	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ		
Cadmium	P	0.31	5	5 UJ	5 U	5 U	5 U	5 U		
Calcium	P	94.3	5000	107 J	5000 U	5000 U	5000 U	5000 U		
Chromium	P	0.51	10	10 UJ	10 U	10 U	10 U	10 U		
Cobalt	P	1.0	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ		
Copper	P	2.1	25	25 UJ	25 U	25 U	25 U	25 U		
Iron	P	5.6	100	100 UJ	100 U	100 U	100 U	100 U		
Lead	P	1.4	10	1.7 J	10 U	10 U	10 U	10 U		
Magnesium	P	71.8	5000	5000 UJ	5000 UJ	5000 UJ	5000 UJ	5000 UJ		
Manganese	P	0.30	15	1.1 J	5 J	0.38 J	15 U	15 U		
Mercury	CV	0.029	0.2	3.9 J	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ		
Nickel	P	0.75	40	40 UJ	0.79 J	40 U	40 U	40 U		
Potassium	P	118	5000	5000 UJ	5000 U	5000 U	5000 U	5000 U		
Selenium	P	2.3	35	35 UJ	35 U	35 U	35 U	35 U		
Silver	P	1.2	10	10 UJ	10 U	10 U	10 U	10 U		
Sodium	P	79.5	5000	5000 UJ	5000 U	5000 U	5000 U	5000 U		
Thallium	P	1.5	25	25 UJ	25 U	25 U	25 U	25 U		
Vanadium	P	1.2	50	50 UJ	50 U	50 U	50 U	50 U		
Zinc	P	0.87	60	60 UJ	23.7 J	18.3 J	19.8 J	21.5 J		
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0		
			DATE SAMPLED	11/17/2010	11/17/2010	11/18/2010	11/18/2010	11/30/2010		

ANALYTICAL METHOD:
P - INDUCTIVELY COUPLED PLASMA - ATOMIC EMISSION
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per Liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3T71
LABORATORY: TESTAMERICA

TABLE 4
VOLATILE ORGANIC COMPOUNDS
SOIL AND SEDIMENT- PRESERVATIVE BLANKS
µg/Kg

SAMPLE NUMBER		A3TF5	A3TF6	A3TF7	A3TF8	A3TG0	A3TG2	
SAMPLE LOCATION		PB-01	PB-02	PB-03	PB-04	PB-06	PB-08	
STATION LOCATION		LM-0207	LM-0208	LM-0209	LM-0210	LM-0212	LM-0214	
LABORATORY NUMBER		200-2475-19	200-2475-20	200-2475-21	200-2475-22	200-2456-19	200-2456-20	
COMPOUND	CRQL							
Dichlorodifluoromethane	5	0.41 J	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Chloromethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Vinyl chloride	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Bromomethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Chloroethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Trichlorofluoromethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,1-Dichloroethene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,1,2-Trichloro-1,2,2-trifluoroethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Acetone	10	6.1 J B	500 UJ	10 U	500 UJ	500 UJ	500 UJ	
Carbon disulfide	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Methyl acetate	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Methylene chloride	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
trans-1,2-Dichloroethene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Methyl tert-butyl ether	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,1-Dichloroethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
cis-1,2-Dichloroethene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
2-Butanone	10	10 U	500 UJ	10 U	500 UJ	500 UJ	500 UJ	
Bromochloromethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Chloroform	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,1,1-Trichloroethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Cyclohexane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Carbon tetrachloride	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Benzene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,2-Dichloroethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,4-Dioxane	100	100 UJ	5000 UJ	100 U	5000 UJ	5000 UJ	5000 UJ	
Trichloroethene	5	5 U	250 UJ	5 U	250 UJ	12 J	250 UJ	
Methylcyclohexane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,2-Dichloropropane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Bromodichloromethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
cis-1,3-Dichloropropene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
4-Methyl-2-pentanone	10	10 U	500 UJ	10 U	500 UJ	500 UJ	500 UJ	
Toluene	5	5 U	21 J	5 U	250 UJ	250 UJ	250 UJ	
trans-1,3-Dichloropropene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,1,2-Trichloroethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Tetrachloroethene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
2-Hexanone	10	10 U	500 UJ	10 U	500 UJ	500 UJ	500 UJ	
Dibromochloromethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,2-Dibromoethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Chlorobenzene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Ethylbenzene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
o-Xylene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
m,p-Xylene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Styrene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Bromoform	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
Isopropylbenzene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,1,2,2-Tetrachloroethane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,3-Dichlorobenzene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,4-Dichlorobenzene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,2-Dichlorobenzene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,2-Dibromo-3-chloropropane	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,2,4-Trichlorobenzene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
1,2,3-Trichlorobenzene	5	5 U	250 UJ	5 U	250 UJ	250 UJ	250 UJ	
DILUTION FACTOR		1.0	50	1.0	50	1.0	1.0	
DATE SAMPLED		11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	11/08/2010	
DATE ANALYZED		11/17/2010	11/24/2010	11/17/2010	11/24/2010	11/23/2010	11/23/2010	
SAMPLE WEIGHT (GRAMS)		NA	NA	NA	NA	NA	NA	
% SOLID		NA	NA	NA	NA	NA	NA	

NOTES: µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3T23; A3T24; A3T26
LABORATORY: TESTAMERICA

TABLE 5
VOLATILE ORGANIC COMPOUNDS
GROUNDWATER AND DRINKING WATER- EQUIPMENT RINSATE AND TRIP BLANKS
µg/L

SAMPLE NUMBER			A3TA0	A3TA1	A3TA2	A3TA3	A3TA4	A3TD3	A3TD4
SCRIBE SAMPLE NUMBER			LM-0152	LM-0153	LM-0154	LM-0155	LM-0156	LM-0185	LM-0186
SAMPLE LOCATION			RB-01	RB-02	RB-03	RB-04	RB-05	TB-01	TB-02
LABORATORY NUMBER			200-2450-17	200-2503-15	200-2503-16	200-2503-17	200-2587-12	200-2450-18	200-2503-18
COMPOUND	CRQL	MDL							
Dichlorodifluoromethane	0.5	0.025	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5	0.097	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5	0.069	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5	0.052	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	5	0.930	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Carbon disulfide	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	0.5	0.075	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Methylene chloride	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5	0.018	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5	0.032	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5	0.053	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5	0.052	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5	0.610	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Bromochloromethane	0.5	0.072	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5	0.028	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5	0.040	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5	0.054	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5	0.053	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5	0.043	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5	0.036	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	5	0.360	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	0.5	0.031	0.5 U	0.12 J	0.11 J	0.13 J	0.5 U	0.5 U	0.12 J
trans-1,3-Dichloropropene	0.5	0.031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5	0.073	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5	0.051	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	5	0.290	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Dibromochloromethane	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5	0.200	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5	0.039	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5	0.041	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	0.5	0.033	0.5 U	0.073 J	0.076 J	0.075 J	0.045 J	0.5 U	0.041 J
Styrene	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5	0.066	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5	0.044	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5	0.080	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5	0.042	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5	0.035	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5	0.051	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5	0.250	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,2,4-Trichlorobenzene	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5	0.029	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DILUTION FACTOR			1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED			11/08/2010	11/10/2010	11/10/2010	11/11/2010	11/16/2010	11/08/2010	11/08/2010
DATE ANALYZED			11/14/2010	11/15/2010	11/15/2010	11/15/2010	11/22/2010	11/14/2010	11/15/2010

NOTES:
µg/L = MICROGRAMS PER LITER
MDL = METHOD DETECTION LIMIT
CRQL = CONTRACT REQUIRED QUANTITATION LIMIT
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3T23; A3T24; A3T26
LABORATORY: TESTAMERICA

TABLE 5
VOLATILE ORGANIC COMPOUNDS
GROUNDWATER AND DRINKING WATER- EQUIPMENT RINSATE AND TRIP BLANKS
µg/L

		SAMPLE NUMBER	A3TD5						
		SCRIBE SAMPLE NUMBER	LM-0187						
		SAMPLE LOCATION	TB-03						
		LABORATORY NUMBER	200-2587-13						
COMPOUND	CRQL	MDL							
Dichlorodifluoromethane	0.5	0.025	0.5 U						
Chloromethane	0.5	0.097	0.5 U						
Vinyl chloride	0.5	0.049	0.5 U						
Bromomethane	0.5	0.050	0.5 U						
Chloroethane	0.5	0.069	0.5 U						
Trichlorofluoromethane	0.5	0.052	0.5 U						
1,1-Dichloroethene	0.5	0.038	0.5 U						
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	0.030	0.5 U						
Acetone	5	0.930	5 UJ						
Carbon disulfide	0.5	0.060	0.5 U						
Methyl acetate	0.5	0.075	0.5 UJ						
Methylene chloride	0.5	0.060	0.56						
trans-1,2-Dichloroethene	0.5	0.018	0.5 U						
Methyl tert-butyl ether	0.5	0.032	0.5 U						
1,1-Dichloroethane	0.5	0.053	0.5 U						
cis-1,2-Dichloroethene	0.5	0.052	0.5 U						
2-Butanone	5	0.610	5 UJ						
Bromochloromethane	0.5	0.072	0.5 U						
Chloroform	0.5	0.047	0.5 U						
1,1,1-Trichloroethane	0.5	0.028	0.5 U						
Cyclohexane	0.5	0.040	0.5 U						
Carbon tetrachloride	0.5	0.038	0.5 U						
Benzene	0.5	0.030	0.5 U						
1,2-Dichloroethane	0.5	0.057	0.5 U						
Trichloroethene	0.5	0.054	0.5 U						
Methylcyclohexane	0.5	0.049	0.5 U						
1,2-Dichloropropane	0.5	0.053	0.5 U						
Bromodichloromethane	0.5	0.043	0.5 U						
cis-1,3-Dichloropropene	0.5	0.036	0.5 U						
4-Methyl-2-pentanone	5	0.360	5 U						
Toluene	0.5	0.031	0.14 J						
trans-1,3-Dichloropropene	0.5	0.031	0.5 U						
1,1,2-Trichloroethane	0.5	0.073	0.5 U						
Tetrachloroethene	0.5	0.051	0.5 U						
2-Hexanone	5	0.290	5 UJ						
Dibromochloromethane	0.5	0.047	0.5 U						
1,2-Dibromoethane	0.5	0.200	0.5 U						
Chlorobenzene	0.5	0.039	0.5 U						
Ethylbenzene	0.5	0.050	0.5 U						
o-Xylene	0.5	0.041	0.5 U						
m,p-Xylene	0.5	0.033	0.043 J						
Styrene	0.5	0.057	0.5 U						
Bromoform	0.5	0.066	0.5 U						
Isopropylbenzene	0.5	0.044	0.5 U						
1,1,2,2-Tetrachloroethane	0.5	0.080	0.5 U						
1,3-Dichlorobenzene	0.5	0.042	0.5 U						
1,4-Dichlorobenzene	0.5	0.035	0.5 U						
1,2-Dichlorobenzene	0.5	0.051	0.5 U						
1,2-Dibromo-3-chloropropane	0.5	0.250	0.5 UJ						
1,2,4-Trichlorobenzene	0.5	0.047	0.5 U						
1,2,3-Trichlorobenzene	0.5	0.029	0.5 U						
		DILUTION FACTOR	1.0						
		DATE SAMPLED	11/15/2010						
		DATE ANALYZED	11/22/2010						

NOTES:
µg/L = MICROGRAMS PER LITER
MDL = METHOD DETECTION LIMIT
CRQL = CONTRACT REQUIRED QUANTITATION LIMIT
* = Reported value is from diluted analysis.

ATTACHMENT B- EQUIPMENT RINSATE, TRIP, AND PRESERVATIVE BLANK SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3T24, MA3T26, MA3T27
LABORATORY: TESTAMERICA

TABLE 6
DISSOLVED METALS
GROUNDWATER AND DRINKING WATER- EQUIPMENT RINSATE BLANKS
µg/L

			SAMPLE NUMBER	MA3TA0	MA3TA1	MA3TA2	MA3TA3	MA3TA4		
			SAMPLE LOCATION	RB-01	RB-02	RB-03	RB-04	RB-05		
			STATION LOCATION	LM-0152	LM-0153	LM-0154	LM-0155	LM-0156		
			LABORATORY NUMBER	11180	11248	11249	11250	11462		
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	72.7 U	5.5 J	5.1 J	5.9 J	152		
Antimony	MS	0.0	2	2 U	2 UJ	2 UJ	2 UJ	2 U		
Arsenic	MS	0.2	1	1.4 UJ	1 UJ	1 UJ	1 UJ	12.8		
Barium	MS	0.066	10	10 U	0.16 J	0.092 J	0.2 J	0.42		
Beryllium	MS	0.01	1	1 U	1 UJ	1 UJ	1 UJ	1 U		
Cadmium	MS	0.03	1	1 UJ	1 UJ	1 UJ	1 UJ	1 U		
Calcium	MS	64.8	500	500 U	132 J	500 UJ	121 J	248 J		
Chromium	MS	0.08	2	2 U	0.095 J	0.079 J	2 UJ	0.12 J		
Cobalt	MS	0.0	1	1 U	1 UJ	1 UJ	1 UJ	1 U		
Copper	MS	0.6	2	2 U	2 UJ	2 UJ	2 UJ	0.65 J		
Iron	MS	1.5	200	200 U	10.4 J	7.3 J	7.9 J	200 U		
Lead	MS	0.1	1	1 U	1 UJ	1 UJ	1 UJ	1 UJ		
Magnesium	MS	1.6	500	500 U	14.1 J	5.3 J	16.7 J	500 U		
Manganese	MS	0.13	1	1 U	1 UJ	1 UJ	1 UJ	1 U		
Mercury	CV	0.029	0.2	--	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U		
Nickel	MS	0.07	1	1 U	1 UJ	1 UJ	1 UJ	1 U		
Potassium	MS	6	500	500 U	62.9 J	16.7 J	61.1 J	500 U		
Selenium	MS	0.4	5	5 U	5 UJ	5 UJ	5 UJ	5 U		
Silver	MS	0.0	1	1 U	1 UJ	1 UJ	1 UJ	1 U		
Sodium	MS	4.8	500	412 J	303 J	500 UJ	241 J	796		
Thallium	MS	0.0	1	1 U	1 UJ	1 UJ	1 UJ	1 U		
Vanadium	MS	0.1	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ		
Zinc	MS	0.17	2	0.69 J	13.4 J	8.7 J	12.1 J	2 U		
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0		
			DATE SAMPLED	11/08/2010	11/10/2010	11/10/2010	11/11/2010	11/16/2010		

ANALYTICAL METHOD:
MS - INDUCTIVELY COUPLED PLASMA - MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per Liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.
-- = Not Analyzed

ATTACHMENT B- EQUIPMENT RINSATE, TRIP, AND PRESERVATIVE BLANK SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3TG7, MA3TH0, MA3TK4
LABORATORY: TESTAMERICA

TABLE 7
TOTAL METALS
GROUNDWATER AND DRINKING WATER- EQUIPMENT RINSATE BLANKS
µg/L

			SAMPLE NUMBER	MA3TP7	MA3TP8	MA3TP9	MA3TQ0	MA3TQ1		
			SAMPLE LOCATION	RB-01	RB-02	RB-03	RB-04	RB-05		
			STATION LOCATION	LM-0289	LM-0290	LM-0291	LM-0292	LM-0293		
			LABORATORY NUMBER	11163	11269	11270	11271	11446		
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	180 J	199	195	174	145		
Antimony	MS	0.0	2	2 UJ	2.0 UJ	2.0 U	2.0 U	2 UJ		
Arsenic	MS	0.2	1	1 U	1.0 UJ	1.0 U	1.0 U	11.3		
Barium	MS	0.066	10	0.31 J	0.31 J	0.30 J	0.25 J	0.32 J		
Beryllium	MS	0.01	1	1 U	1 U	1 U	1 U	1 U		
Cadmium	MS	0.03	1	1 U	1.0 U	1.0 U	1.0 U	1 U		
Calcium	MS	64.8	500	500 U	500 U	500 U	500 U	68.8 J		
Chromium	MS	0.08	2	0.21 J	0.21 J	0.24 J	0.21 J	0.11 J		
Cobalt	MS	0.0	1	1 U	1.0 U	1.0 U	1.0 U	1 U		
Copper	MS	0.6	2	0.89 J	1.7 J	2.0 U	2.0 U	2 U		
Iron	MS	1.5	200	200 UJ	200 U	200 U	200 U	200 UJ		
Lead	MS	0.1	1	4.9	1 UJ	1 UJ	1 UJ	1 U		
Magnesium	MS	1.6	500	14.1 J	10.5 J	11.4 J	9.6 J	500 U		
Manganese	MS	0.13	1	0.95 J	1.6	15.2	1 U	1 UJ		
Mercury	CV	0.029	0.2	0.2 UJ	0.20 UJ	0.20 UJ	0.20 UJ	0.2 UJ		
Nickel	MS	0.07	1	0.11 J	1 U	1 U	1 U	1 U		
Potassium	MS	6	500	155 J	124 J	131 J	109 J	500 U		
Selenium	MS	0.4	5	0.54 J	5 U	5 U	5 U	5 U		
Silver	MS	0.0	1	1 U	1.0 U	1.0 U	1.0 U	1 U		
Sodium	MS	4.8	500	1340 J	1230	1150	1030	639		
Thallium	MS	0.0	1	1 U	1.0 U	1.0 U	1.0 U	1 U		
Vanadium	MS	0.1	5	5 UJ	5.0 U	5.0 U	5.0 U	5 U		
Zinc	MS	0.17	2	2.1	7.6	1.6 J	1.2 J	1.2 J		
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0		
			DATE SAMPLED	11/08/2010	11/10/2010	11/10/2010	11/11/2010	11/16/2010		

ANALYTICAL METHOD:
MS - INDUCTIVELY COUPLED PLASMA - MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORBTION

NOTES:
µg/L = micrograms per Liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT C

LEEDS METAL
SUBSURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS
START
Samples Collected on 9, 11, 16 through 18, 29, and 30 November 2010

DATA SUMMARY KEY
SUBSURFACE SOIL/SOURCE

J	=	The associated numerical value is an estimated quantity.
U	=	The compound or element was analyzed for, but not detected. The associated numerical value is the sample-adjusted CRQL.
UJ	=	The compound or element was analyzed for, but not detected. The associated numerical value is the estimated sample-adjusted CRQL.
TB	=	The compound was identified in an aqueous trip blank that was used to assess field contamination associated with soil/source samples.
R	=	The value for the compound of element was rejected due to failure of one or more quality control parameters.
EB	=	The compound was identified in an aqueous equipment blank used to assess field contamination associated with soil/source samples.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3SZ3	A3SZ5	A3SZ6	A3SZ7	A3SZ8	A3SZ9	A3T00
SAMPLE LOCATION		SB-01	SB-08	SB-09	SB-10	SB-11	SB-12	SB-13
STATION LOCATION		LM-0045	LM-0047	LM-0048	LM-0049	LM-0050	LM-0051	LM-0052
LABORATORY NUMBER		200-2582-12	200-2623-7	200-2623-8	200-2733-8	200-2733-9	200-2733-10	200-2733-11
COMPOUND	CRQL							
Dichlorodifluoromethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
Chloromethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
Vinyl chloride	5	3.6 U	4.3 U	11 UJ	5.3 UJ	3.0 UJ	4.4 U	3.5 UJ
Bromomethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	0.73 J	3.5 U
Chloroethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
Trichlorofluoromethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
1,1-Dichloroethene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
Acetone	10	17 U	8 J	140 J	23 TB	5.1 TB	100 TB	5.2 TB
Carbon disulfide	5	3.6 U	5 U	11 UJ	5.3 U	3.0 U	0.75 J	3.5 U
Methyl acetate	5	3.6 U	4.3 U	11 J	0.96 J	3.0 U	4.4 U	3.5 U
Methylene chloride	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
trans-1,2-Dichloroethene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
Methyl tert-butyl ether	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
1,1-Dichloroethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
cis-1,2-Dichloroethene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
2-Butanone	10	1.5 J	8.6 U	73 J	5.3 TB	6.0 U	27 TB	7.1 U
Bromochloromethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
Chloroform	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
1,1,1-Trichloroethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
Cyclohexane	5	3.6 U	4.3 U	11 UJ	5.3 U	0.81 J	4.4 UJ	3.5 U
Carbon tetrachloride	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
Benzene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	0.88 J	3.5 U
1,2-Dichloroethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 U	3.5 U
1,4-Dioxane	100	72 UJ	86 UJ	220 UJ	110 UJ	60 UJ	88 UJ	71 UJ
Trichloroethene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
Methylcyclohexane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
1,2-Dichloropropane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
Bromodichloromethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
cis-1,3-Dichloropropene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
4-Methyl-2-pentanone	10	7.2 U	8.6 U	22 UJ	11 U	6.0 U	8.8 UJ	7.1 U
Toluene	5	3.6 U	4.3 U	1.6 JEB	5.3 U	3.0 U	0.51 JEB	0.49 JEB
trans-1,3-Dichloropropene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
1,1,2-Trichloroethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
Tetrachloroethene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	0.88 J	3.5 U
2-Hexanone	10	7.2 U	8.6 U	22 UJ	11 U	6.0 U	8.8 UJ	7.1 U
Dibromochloromethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
1,2-Dibromoethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
Chlorobenzene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
Ethylbenzene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
o-Xylene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
m,p-Xylene	5	3.6 U	4.3 U	11 UJ	0.14 J	3.0 U	4.4 UJ	3.5 U
Styrene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
Bromoform	5	3.6 U	4.3 U	R	5.3 UJ	3.0 U	4.4 UJ	3.5 U
Isopropylbenzene	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
1,1,2,2-Tetrachloroethane	5	3.6 U	4.3 U	11 UJ	5.3 U	3.0 U	4.4 UJ	3.5 U
1,3-Dichlorobenzene	5	3.6 U	4.3 U	R	5.3 UJ	3.0 U	4.4 UJ	3.5 U
1,4-Dichlorobenzene	5	3.6 U	4.3 U	R	5.3 UJ	3.0 U	4.4 UJ	3.5 U
1,2-Dichlorobenzene	5	3.6 U	4.3 U	R	5.3 UJ	3.0 U	4.4 UJ	3.5 U
1,2-Dibromo-3-chloropropane	5	3.6 U	4.3 UJ	R	5.3 UJ	3.0 U	4.4 UJ	3.5 U
1,2,4-Trichlorobenzene	5	3.6 U	4.3 U	R	5.3 UJ	3.0 U	4.4 UJ	3.5 U
1,2,3-Trichlorobenzene	5	3.6 U	4.3 U	R	5.3 UJ	3.0 U	4.4 UJ	3.5 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/16/2010	11/18/2010	11/18/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010
DATE ANALYZED		11/23/2010	11/29/2010	11/29/2010	12/03/2010	12/03/2010	12/03/2010	12/03/2010
SAMPLE WEIGHT (GRAMS)		7.469	6.181	2.93	5.08	8.576	6.291	7.252
% SOLID		93.6	94.5	78.0	92.5	97.2	90.3	97.2

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3T01	A3T02	A3T04	A3T05	A3T06	A3T07	A3T08
SAMPLE LOCATION		SB-14	SB-15	SB-17	SB-18	SB-22	SB-27	SB-28
STATION LOCATION		LM-0053	LM-0054	LM-0056	LM-0057	LM-0058	LM-0059	LM-0060
LABORATORY NUMBER		200-2733-12	200-2733-13	200-2619-12	200-2619-13	200-2619-14	200-2619-15	200-2475-9
COMPOUND	CRQL							
Dichlorodifluoromethane	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Chloromethane	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Vinyl chloride	5	4.1 UJ	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Bromomethane	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Chloroethane	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Trichlorofluoromethane	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
1,1-Dichloroethene	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Acetone	10	12 TB	39 TB	7.6 U	11 U	11 U	360 U	45 EB
Carbon disulfide	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Methyl acetate	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Methylene chloride	5	0.25 J	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
trans-1,2-Dichloroethene	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Methyl tert-butyl ether	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
1,1-Dichloroethane	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
cis-1,2-Dichloroethene	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
2-Butanone	10	8.2 U	12 TB	7.4 U	11 U	11 U	360 U	11
Bromochloromethane	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Chloroform	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
1,1,1-Trichloroethane	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Cyclohexane	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Carbon tetrachloride	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Benzene	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
1,2-Dichloroethane	5	4.1 U	5.1 U	3.7 U	5.6 U	5.3 U	180 U	4.9 U
1,4-Dioxane	100	82 UJ	100 UJ	74 UJ	110 UJ	110 UJ	3600 UJ	98 UJ
Trichloroethene	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Methylcyclohexane	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
1,2-Dichloropropane	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Bromodichloromethane	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
cis-1,3-Dichloropropene	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
4-Methyl-2-pentanone	10	8.2 U	10 UJ	7.4 U	11 U	11 U	360 U	9.8 U
Toluene	5	0.64 JEB	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
trans-1,3-Dichloropropene	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
1,1,2-Trichloroethane	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Tetrachloroethene	5	4.1 U	5.1 UJ	3.7 U	5.6 U	32.0	410	4.9 U
2-Hexanone	10	8.2 U	10 UJ	7.4 U	11 U	11 U	360 U	9.8 U
Dibromochloromethane	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
1,2-Dibromoethane	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Chlorobenzene	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Ethylbenzene	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
o-Xylene	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
m,p-Xylene	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Styrene	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
Bromoform	5	4.1 UJ	5.1 UJ	3.7 UJ	5.6 U	5.3 U	180 U	4.9 UJ
Isopropylbenzene	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
1,1,2,2-Tetrachloroethane	5	4.1 U	5.1 UJ	3.7 U	5.6 U	5.3 U	180 U	4.9 U
1,3-Dichlorobenzene	5	4.1 UJ	5.1 UJ	3.7 UJ	5.6 U	5.3 U	180 U	4.9 UJ
1,4-Dichlorobenzene	5	4.1 UJ	5.1 UJ	3.7 UJ	5.6 U	5.3 U	180 U	4.9 UJ
1,2-Dichlorobenzene	5	4.1 UJ	5.1 UJ	3.7 UJ	5.6 U	5.3 U	180 U	4.9 UJ
1,2-Dibromo-3-chloropropane	5	4.1 UJ	5.1 UJ	3.7 UJ	5.6 U	5.3 UJ	180 U	4.9 UJ
1,2,4-Trichlorobenzene	5	4.1 UJ	5.1 UJ	3.7 UJ	5.6 U	5.3 U	180 U	4.9 UJ
1,2,3-Trichlorobenzene	5	4.1 UJ	5.1 UJ	3.7 UJ	5.6 U	5.3 U	180 U	4.9 UJ
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/30/2010	11/30/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/09/2010
DATE ANALYZED		12/03/2010	12/03/2010	11/26/2010	11/25/2010	11/26/2010	11/24/2010	11/17/2010
SAMPLE WEIGHT (GRAMS)		6.318	5.18	7.02	5.458	6.208	10.912	6.7
% SOLID		96.1	95.0	96.8	81.4	76.4	85.2	76.2

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3T09	A3T10	A3T11	A3T12	A3T13	A3T14	A3T15
SAMPLE LOCATION		SB-29	SB-30	SB-31	SB-32	SB-33	SB-34	SB-35
STATION LOCATION		LM-0061	LM-0062	LM-0063	LM-0064	LM-0065	LM-0066	LM-0067
LABORATORY NUMBER		200-2475-10	200-2475-11	200-2475-12	200-2582-13	200-2582-14	200-2623-10	200-2623-11
COMPOUND	CRQL							
Dichlorodifluoromethane	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	930 U
Chloromethane	5	4.9 UJ	8.6 U	510 U	1.8 J	11 J	10 U	930 U
Vinyl chloride	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	930 U
Bromomethane	5	4.9 UJ	2.9 J	510 U	6.9 J	21 J	10 U	930 U
Chloroethane	5	4.9 UJ	8.6 U	510 U	5.5 UJ	2.1 J	10 U	930 U
Trichlorofluoromethane	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	930 U
1,1-Dichloroethene	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	930 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	930 U
Acetone	10	58 JEB	130 EB	1000 U	140 EB	110 EB	360	3100
Carbon disulfide	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	5 UJ	150 J
Methyl acetate	5	4.9 UJ	8.6 U	700	5.5 UJ	6.2 UJ	10 U	4800
Methylene chloride	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	930 U
trans-1,2-Dichloroethene	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	930 U
Methyl tert-butyl ether	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	930 U
1,1-Dichloroethane	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	930 U
cis-1,2-Dichloroethene	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	930 U
2-Butanone	10	18 J	33	1000 U	29 J	25 J	150	1500 J
Bromochloromethane	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	930 U
Chloroform	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	560 J
1,1,1-Trichloroethane	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
Cyclohexane	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
Carbon tetrachloride	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
Benzene	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
1,2-Dichloroethane	5	4.9 UJ	8.6 U	510 U	5.5 UJ	6.2 UJ	10 U	930 U
1,4-Dioxane	100	99 UJ	170 UJ	10000 UJ	110 UJ	120 UJ	200 UJ	19000 UJ
Trichloroethene	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	52 J
Methylcyclohexane	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
1,2-Dichloropropane	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
Bromodichloromethane	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
cis-1,3-Dichloropropene	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
4-Methyl-2-pentanone	10	9.9 UJ	17 UJ	1000 U	11 UJ	12 UJ	10 J	15000
Toluene	5	1.2 EB	8.6 UJ	510 U	0.87 TB	0.68 TB	21 JEB	2000 EB
trans-1,3-Dichloropropene	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
1,1,2-Trichloroethane	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
Tetrachloroethene	5	4.9 UJ	1.6 J	3900	5.5 UJ	6.2 UJ	10 U	930 U
2-Hexanone	10	9.9 UJ	17 UJ	1000 U	11 UJ	12.0 UJ	20 U	1900 U
Dibromochloromethane	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
1,2-Dibromoethane	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
Chlorobenzene	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	4.7 J	49 J
Ethylbenzene	5	4.9 UJ	8.6 UJ	14 J	5.5 UJ	6.2 UJ	62 J	1900
o-Xylene	5	4.9 UJ	8.6 UJ	10 J	5.5 UJ	6.2 UJ	38 J	1200
m,p-Xylene	5	4.9 UJ	8.6 UJ	37 J	0.29 J	0.18 J	55 J	2000
Styrene	5	4.9 UJ	8.6 UJ	15 J	5.5 UJ	6.2 UJ	10 U	930 U
Bromoform	5	4.9 UJ	8.6 UJ	510 U	R	R	10 U	930 U
Isopropylbenzene	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	18 J	260 J
1,1,2,2-Tetrachloroethane	5	4.9 UJ	8.6 UJ	510 U	5.5 UJ	6.2 UJ	10 U	930 U
1,3-Dichlorobenzene	5	4.9 UJ	8.6 UJ	510 U	R	R	16 J	930 U
1,4-Dichlorobenzene	5	4.9 UJ	8.6 UJ	510 U	R	R	3.7 J	930 U
1,2-Dichlorobenzene	5	4.9 UJ	8.6 UJ	510 U	R	R	4.5 J	930 U
1,2-Dibromo-3-chloropropane	5	4.9 UJ	8.6 UJ	510 U	R	R	10 UJ	930 U
1,2,4-Trichlorobenzene	5	4.9 UJ	8.6 UJ	510 U	R	R	9.8 UJ	71 UJ
1,2,3-Trichlorobenzene	5	4.9 UJ	8.6 UJ	510 U	R	R	5 UJ	51 UJ
DILUTION FACTOR		1.0	1.0	50	1.0	1.0	1.0	50
DATE SAMPLED		11/09/2010	11/09/2010	11/09/2010	11/16/2010	11/16/2010	11/18/2010	11/18/2010
DATE ANALYZED		11/16/2010	11/17/2010	11/22/2010	11/23/2010	11/24/2010	11/26/2010	11/30/2010
SAMPLE WEIGHT (GRAMS)		5.761	4.07	3.977	5.919	5.22	3.72	2.572
% SOLID		87.8	71.5	74.5	76.6	78	67	62.2

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3T16	A3T17	A3T18	A3T19	A3T20	A3T21	A2T22
SAMPLE LOCATION		SB-36	SB-37	SB-38	SB-40	SB-42	SB-43	SB-44
STATION LOCATION		LM-0068	LM-0069	LM-0070	LM-0071	LM-0072	LM-0073	LM-0074
LABORATORY NUMBER		200-2623-12	200-2582-15	200-2582-16	200-2619-16	200-2619-17	200-2623-13	200-2619-18
COMPOUND	CRQL							
Dichlorodifluoromethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Chloromethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Vinyl chloride	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Bromomethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Chloroethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Trichlorofluoromethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
1,1-Dichloroethene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Acetone	10	190 J	26 U	11 U	13 EB	11 U	190 J	360 U
Carbon disulfide	5	9.8 UJ	3.5 U	5.3 U	3.4 U	5.6 U	8.7 UJ	180 U
Methyl acetate	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Methylene chloride	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
trans-1,2-Dichloroethene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Methyl tert-butyl ether	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
1,1-Dichloroethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
cis-1,2-Dichloroethene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
2-Butanone	10	40 J	2.3 J	11 U	1.3 EB	11 U	30 J	360 U
Bromochloromethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Chloroform	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
1,1,1-Trichloroethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Cyclohexane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Carbon tetrachloride	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Benzene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
1,2-Dichloroethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
1,4-Dioxane	100	170 UJ	69 UJ	110 UJ	69 UJ	110 UJ	150 UJ	3600 UJ
Trichloroethene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Methylcyclohexane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
1,2-Dichloropropane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Bromodichloromethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
cis-1,3-Dichloropropene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
4-Methyl-2-pentanone	10	17 UJ	6.9 U	11 U	6.9 U	11 U	15 UJ	360 U
Toluene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	0.56 TB	7.4 UJ	180 U
trans-1,3-Dichloropropene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
1,1,2-Trichloroethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Tetrachloroethene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	480
2-Hexanone	10	17 UJ	6.9 U	11 U	6.9 U	11 U	15 UJ	360 U
Dibromochloromethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
1,2-Dibromoethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Chlorobenzene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Ethylbenzene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
o-Xylene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
m,p-Xylene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	0.35 J	180 U
Styrene	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Bromoform	5	R	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
Isopropylbenzene	5	8.3 UJ	3.5 U	5.3 U	0.99 J	5.6 U	7.4 UJ	180 U
1,1,2,2-Tetrachloroethane	5	8.3 UJ	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
1,3-Dichlorobenzene	5	2.1 J	3.5 U	5.3 U	3.4 U	5.6 U	2.6 J	180 U
1,4-Dichlorobenzene	5	1.1 J	3.5 U	5.3 U	3.4 U	5.6 U	0.85 J	180 U
1,2-Dichlorobenzene	5	3.3 J	3.5 U	5.3 U	3.4 U	5.6 U	0.83 J	180 U
1,2-Dibromo-3-chloropropane	5	R	3.5 U	5.3 U	3.4 UJ	5.6 U	7.4 UJ	180 U
1,2,4-Trichlorobenzene	5	R	3.5 U	5.3 U	3.4 U	5.6 U	7.4 UJ	180 U
1,2,3-Trichlorobenzene	5	R	3.5 U	5.3 U	3.4 U	5.6 U	3.2 UJ	180 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/18/2010	11/17/2010	11/17/2010	11/17/2010	11/17/2010	11/18/2010	11/18/2010
DATE ANALYZED		11/29/2010	11/24/2010	11/24/2010	11/26/2010	11/25/2010	11/29/2010	11/24/2010
SAMPLE WEIGHT (GRAMS)		4.464	8.269	5.962	8.816	6.235	5.306	11.779
% SOLID		67.1	87.6	79.5	82.4	72.1	63.8	83.3

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT C- SUBSURFACE SOIL/SOURCE ANALYSIS RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

SAMPLE NUMBER		A3SZ3	A3SZ5	A3SZ6	A3SZ7	A3SZ8	A3SZ9	A3T00
SAMPLE LOCATION		SB-01	SB-08	SB-09	SB-10	SB-11	SB-12	SB-13
STATION LOCATION		LM-0045	LM-0047	LM-0048	LM-0049	LM-0050	LM-0051	LM-0052
LABORATORY NUMBER		200-2582-12	200-2623-7	200-2623-8	200-2733-8	200-2733-9	200-2733-10	200-2733-11
COMPOUND	CRQL							
Aroclor-1016	33	36 U	35 U	40 U	35 U	34 U	37 U	34 U
Aroclor-1221	33	36 U	35 U	40 U	35 U	34 U	37 U	34 U
Aroclor-1232	33	36 U	35 U	40 U	35 U	34 U	37 U	34 U
Aroclor-1242	33	36 U	35 U	40 U	34 J	34 U	240 J	34 U
Aroclor-1248	33	36 U	35 U	520 *	35 U	34 U	37 U	34 U
Aroclor-1254	33	36 U	30 J	1700 *	200	34 U	430	34 U
Aroclor-1260	33	36 U	64	1700 * J	130	9.9 J	710 *	9.6 J
Aroclor-1262	33	36 U	35 U	40 U	35 U	34 U	37 U	34 U
Aroclor-1268	33	36 U	35 U	40 U	35 U	34 U	37 U	34 U
DILUTION FACTOR		1.0	1.0	1.0 / 4.0 *	1.0	1.0	1.0 / 3.0 *	1.0
DATE SAMPLED		11/16/2010	11/18/2010	11/18/2010	11/30/2010	11/30/2010	11/30/2010	11/30/2010
DATE EXTRACTED		11/22/2010	11/22/2010	11/22/2010	12/02/2010	12/02/2010	12/02/2010	12/02/2010
DATE ANALYZED		11/29/2010	12/02/2010	12/06/2010	12/14/2010	12/14/2010	12/15/2010	12/14/2010
SAMPLE WEIGHT (GRAMS)		01/29/1900	01/29/1900	01/30/1900	01/30/1900	01/30/1900	01/29/1900	01/30/1900
% SOLID		89.6	93.6	81.7	93.5	97.6	89.3	96.8

NOTES:

µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT C- SUBSURFACE SOIL/SOURCE ANALYSIS RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

SAMPLE NUMBER		A3T01	A3T02	A3T04	A3T05	A3T06	A3T07	A3T08
SAMPLE LOCATION		SB-14	SB-15	SB-17	SB-18	SB-22	SB-27	SB-28
STATION LOCATION		LM-0053	LM-0054	LM-0056	LM-0057	LM-0058	LM-0059	LM-0060
LABORATORY NUMBER		200-2733-12	200-2733-13	200-2619-12	200-2619-13	200-2619-14	200-2619-15	200-2475-9
COMPOUND	CRQL							
Aroclor-1016	33	34 U	34 U	34 U	40 U	39 U	42 U	190 U
Aroclor-1221	33	34 U	34 U	34 U	40 U	39 U	42 U	190 U
Aroclor-1232	33	34 U	34 U	34 U	40 U	39 U	42 U	190 U
Aroclor-1242	33	12 J	34 U	2 J	40 U	39 U	42 U	190 U
Aroclor-1248	33	34 U	34 U	34 U	40 U	39 U	42 U	190 U
Aroclor-1254	33	210	34 U	19 J	3.7 J	9.1 J	9.9 J	19000 *
Aroclor-1260	33	150	21 J	45	11 J	12 J	15 J	11000 *J
Aroclor-1262	33	34 U	34 U	34 U	40 U	39 U	42 U	190 U
Aroclor-1268	33	34 U	34 U	34 U	40 U	39 U	42 U	1100 J
DILUTION FACTOR		1	1	1	1	1	1	5.0 / 50.0 *
DATE SAMPLED		11/30/2010	11/30/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/09/2010
DATE EXTRACTED		12/02/2010	12/02/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010	11/12/2010
DATE ANALYZED		12/15/2010	12/14/2010	12/09/2010	12/09/2010	12/09/2010	12/09/2010	11/16/2010
SAMPLE WEIGHT (GRAMS)		30.45	30.19	30.37	29.78	29.88	29.86	30.58
% SOLID		95.8	95.1	96.8	84.0	84.4	79.5	87.1

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT C- SUBSURFACE SOIL/SOURCE ANALYSIS RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

SAMPLE NUMBER		A3T09	A3T10	A3T11	A3T12	A3T13	A3T14	A3T15
SAMPLE LOCATION		SB-29	SB-30	SB-31	SB-32	SB-33	SB-34	SB-35
STATION LOCATION		LM-0061	LM-0062	LM-0063	LM-0064	LM-0065	LM-0066	LM-0067
LABORATORY NUMBER		200-2475-10	200-2475-11	200-2475-12	200-2582-13	200-2582-14	200-2623-10	200-2623-11
COMPOUND	CRQL							
Aroclor-1016	33	37 U	45 U	240 U	86 U	86 U	49 UJ	51 UJ
Aroclor-1221	33	37 U	45 U	240 U	86 U	86 U	49 UJ	51 UJ
Aroclor-1232	33	37 U	45 U	240 U	86 U	86 U	49 UJ	51 UJ
Aroclor-1242	33	37 U	45 U	240 U	86 U	86 U	49 UJ	51 UJ
Aroclor-1248	33	37 U	45 U	240 U	86 U	86 U	3600 * J	51 UJ
Aroclor-1254	33	520 *	3600 *	24000 *	3600 *	2700 *	1800 * J	4300 * J
Aroclor-1260	33	560 *	3700 *	6000 *	5500 * J	2700 *	3200 * J	370 J
Aroclor-1262	33	37 U	45 U	240 U	86 U	86 U	49 UJ	51 UJ
Aroclor-1268	33	42 J	180 J	330 J	86 U	86 U	49 UJ	51 UJ
DILUTION FACTOR		1.0 / 5.0 *	1.0 / 10.0 *	5.0 / 50.0 *	2.0 / 20.0 *	2.0 / 20.0 *	1.0 / 10.0 *	1.0 / 10.0 *
DATE SAMPLED		11/09/2010	11/09/2010	11/09/2010	11/16/2010	11/16/2010	11/18/2010	11/18/2010
DATE EXTRACTED		11/12/2010	11/12/2010	11/12/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010
DATE ANALYZED		11/18/2010	11/18/2010	11/18/2010	12/02/2010	12/02/2010	12/06/2010	12/06/2010
SAMPLE WEIGHT (GRAMS)		30.00	30.44	30.34	29.97	30.37	30.4	30.09
% SOLID		89.6	71.6	68.2	76.5	75.6	67.0	64.0

NOTES:

µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT C- SUBSURFACE SOIL/SOURCE ANALYSIS RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: A3SW8; A3SS9; A3ST4; A3ST6; A3ST5
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

SAMPLE NUMBER		A3T16	A3T17	A3T18	A3T19	A3T20	A3T21	A2T22
SAMPLE LOCATION		SB-36	SB-37	SB-38	SB-40	SB-42	SB-43	SB-44
STATION LOCATION		LM-0068	LM-0069	LM-0070	LM-0071	LM-0072	LM-0073	LM-0074
LABORATORY NUMBER		200-2623-12	200-2582-15	200-2582-16	200-2619-16	200-2619-17	200-2623-13	200-2619-18
COMPOUND	CRQL							
Aroclor-1016	33	510 U	37 U	43 U	40 U	42 U	510 U	40 U
Aroclor-1221	33	510 U	37 U	43 U	40 U	42 U	510 U	40 U
Aroclor-1232	33	510 U	37 U	43 U	40 U	42 U	510 U	40 U
Aroclor-1242	33	510 U	37 U	43 U	40 U	42 U	510 U	40 U
Aroclor-1248	33	2600	37 U	43 U	40 U	42 U	2800	40 U
Aroclor-1254	33	2600	37 U	43 U	40 U	42 U	2200	14 J
Aroclor-1260	33	38000 * J	37 U	43 U	40 U	42 U	32000 * J	20 J
Aroclor-1262	33	510 U	37 U	43 U	40 U	42 U	510 U	40 U
Aroclor-1268	33	510 U	37 U	43 U	40 U	42 U	510 U	40 U
DILUTION FACTOR		10.0 / 100.0 *	1	1	1	1	10.0 / 100.0 *	1
DATE SAMPLED		11/18/2010	11/17/2010	11/17/2010	11/17/2010	11/17/2010	11/18/2010	11/18/2010
DATE EXTRACTED		11/22/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010
DATE ANALYZED		12/06/2010	11/29/2010	11/29/2010	12/09/2010	12/09/2010	12/06/2010	12/09/2010
SAMPLE WEIGHT (GRAMS)		29.79	30.30	30.58	29.78	30.43	29.42	30.48
% SOLID		65.0	88.5	75.0	82.1	77.7	65.4	82.2

NOTES:

µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT C- SUBSURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3SW8; MA3SS9; MA3ST4; MA3ST6; MA3ST5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3SZ3	MA3SZ4	MA3SZ5	MA3SZ6	MA3SZ7	MA3SZ8	MA3SZ9
			SAMPLE LOCATION	SB-01	SB-02	SB-08	SB-09	SB-10	SB-11	SB-12
			STATION LOCATION	LM-0045	LM-0046	LM-0047	LM-0048	LM-0049	LM-0050	LM-0051
			LABORATORY NUMBER	11413(S)	11414(S)	11500(S)	11501(S)	11518(S)	11519(S)	11520(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	7980 EB	16600 EB	7410 J	55200 J	12100	9470	10900
Antimony	ICP	0.27	6	6.1 UJ	8.4 UJ	6.4 U	1500 U	R	R	R
Arsenic	ICP	0.2	1	3	8.4	5.2	160 J	4.6 J	3.4 J	46.2 J
Barium	ICP	0.094	20	15.2 J	39.5 J	30 J	6400 J	121	40.8	562
Beryllium	ICP	0.013	0.5	0.51 UJ	0.7 UJ	0.12 J	125 UJ	0.038 J	0.078 J	0.36 J
Cadmium	ICP	0.013	0.5	0.51 UJ	0.7 UJ	0.32 J	117 J	3.2	0.13 J	18.1
Calcium	ICP	3.5	500	711 J	1010 J	1350 J	24100 J	3170	9740	4260
Chromium	ICP	0.075	1	15.6 J	27.8 J	16.1	1190	35.4	22.8	80.8
Cobalt	ICP	0.085	5	6.3	9.1	6.8	1250 UJ	9.3 J	5.4 J	20.5 J
Copper	ICP	0.18	2.5	10.4 J	14.1 J	72500 *J	5340 J	151 J	15.1 J	360 **J
Iron	ICP	0.68	10	8770 J	17400 J	21600 J	1210000 J	45200 *	12400	234000 **
Lead	ICP	0.25	1	2.3 JEB	5.2 JEB	20.3 J	4080 J	121	5.8	662
Magnesium	ICP	1.3	500	3520	5510	3510 J	6350 J	4080	3980	3770
Manganese	ICP	0.017	1.5	69.3 J	169 J	157 J	4720 J	314 J	190 J	1130 **J
Mercury	CV	0.003	0.1	0.014 J	0.031 J	R	0.57 J	0.11 UJ	0.056 J	0.14
Nickel	ICP	0.055	4	11.3 J	25.3 J	17.7 J	1960 J	56.2	19	197
Potassium	ICP	8.9	500	447 J	1490	1190	5220 J	1660 J	1860	1340 J
Selenium	ICP	0.29	3.5	3.5 U	4.9 U	3.8 U	877 U	R	R	3.9 U
Silver	ICP	0.083	1	R	R	2 J	115 J	1.1 UJ	1 UJ	5.5 *UJ
Sodium	ICP	2.6	500	128 J	172 J	R	1580 J	R	218 J	R
Thallium	ICP	0.15	2.5	2.5 U	3.5 U	2.7 U	53.5 J	2.7 UJ	2.6 UJ	2.8 UJ
Vanadium	ICP	0.11	5	18	26.7	15.8 J	112 J	21.9	19.4	29.1
Zinc	ICP	0.12	6	14 J	33.3 J	102 JEB	60500 JEB	939 *JEB	38.5 J	3490 **JEB
			DILUTION FACTOR	1.0	1.0	1.0 / 2,000 *	200.0	1.0 / 5.0 *	1.0	1 / 5* / 20 **
			DATE SAMPLED	11/16/2010	11/16/2010	11/18/2010	11/18/2010	11/30/2010	11/30/2010	11/30/2010
			% SOLID	99.0	71.0	93.1	79.8	92.2	96.9	90.3

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT C- SUBSURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3SW8; MA3SS9; MA3ST4; MA3ST6; MA3ST5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3T00	MA3T01	MA3T02	MA3T04	MA3T05	MA3T06	MA3T07
			SAMPLE LOCATION	SB-13	SB-14	SB-16	SB-17	SB-18	SB-22	SB-27
			STATION LOCATION	LM-0052	LM-0053	LM-0054	LM-0056	LM-0057	LM-0058	LM-0059
			LABORATORY NUMBER	11521(S)	11522(S)	11523(S)	11480(S)	11481(S)	11482(S)	11483(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	11900	6350	8990	5400	7410	3900	5340
Antimony	ICP	0.27	6	R	R	R	R	R	R	R
Arsenic	ICP	0.2	1	3.1 J	3.9 J	6.7 J	2.3 J	4.5 J	1.6 J	1.6 J
Barium	ICP	0.094	20	58.3	73.2	59.9	27.3 J	26.2 J	24.5 UJ	27.8 J
Beryllium	ICP	0.013	0.5	0.52 UJ	0.021 J	0.076 J	0.52 UJ	0.6 UJ	0.61 UJ	0.59 UJ
Cadmium	ICP	0.013	0.5	0.3 J	1.3	0.23 J	0.31 J	0.6 UJ	0.61 UJ	0.59 UJ
Calcium	ICP	3.5	500	3540	1680	2450	1760	1350	913	1720
Chromium	ICP	0.075	1	28.2	18.2	21.5	13.2	11.9	7.2	10.2
Cobalt	ICP	0.085	5	5.7 J	4.8 J	6.2 J	5.2 UJ	6 UJ	6.1 UJ	5.9 UJ
Copper	ICP	0.18	2.5	13 J	28.8 J	32.2 J	13.3 J	11.8 J	5.5 J	6.5 J
Iron	ICP	0.68	10	12200	11700	11900	9400	9930	6250	7750
Lead	ICP	0.25	1	6.4	51.8	26.4	11.3	6.2	2	4.2
Magnesium	ICP	1.3	500	4780	2410	3580	2550	2430	1670	2040
Manganese	ICP	0.017	1.5	137 J	176 J	140 J	169 EB	151 EB	69.9 EB	114 EB
Mercury	CV	0.003	0.1	0.22	4.2	0.22	0.0083 J	0.12 U	0.12 U	0.0057 J
Nickel	ICP	0.055	4	26.5	19.7	24.6	14.5	10.2	5.4	7.2
Potassium	ICP	8.9	500	3460	1220	1940	1080 J	1090 J	779 J	1020 J
Selenium	ICP	0.29	3.5	R	R	R	3.6 UJ	4.2 UJ	4.3 UJ	4.1 UJ
Silver	ICP	0.083	1	1 UJ	1 UJ	1.1 UJ	1 UJ	1.2 UJ	1.2 U	1.2 UJ
Sodium	ICP	2.6	500	420 J	138 J	246 J	519 UJ	595 UJ	613 UJ	592 UJ
Thallium	ICP	0.15	2.5	2.6 UJ	2.6 UJ	2.7 UJ	2.6 UJ	3 UJ	3.1 UJ	3 UJ
Vanadium	ICP	0.11	5	24.3	13.8	20.5	13.4	13.8	8.3	12
Zinc	ICP	0.12	6	131 J	198 J	39.4 J	79.3 JEB	28.5 JEB	17.7 JEB	85.9 JEB
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/30/2010	11/30/2010	11/30/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010
			% SOLID	96.5	95.7	94.0	96.3	84.0	81.5	84.4

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT C- SUBSURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3SW8; MA3SS9; MA3ST4; MA3ST6; MA3ST5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3T08	MA3T09	MA3T10	MA3T11	MA3T12	MA3T13	MA3T14
			SAMPLE LOCATION	SB-28	SB-29	SB-30	SB-31	SB-32	SB-33	SB-34
			STATION LOCATION	LM-0060	LM-0061	LM-0062	LM-0063	LM-0064	LM-0065	LM-0066
			LABORATORY NUMBER	11193(S)	11194(S)	11195(S)	11196(S)	11415(S)	11416(S)	11503(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	23800 JEB	7820 JEB	19400 J EB	18000 J EB	14200 EB	7000 EB	11200 J
Antimony	ICP	0.27	6	R	R	67.2 J	1180 J	7.7 UJ	6.4 UJ	1810 U
Arsenic	ICP	0.2	1	32.8 J	41.7 J	47.1 J	83.7 J	5	2.5	134 J
Barium	ICP	0.094	20	1510 J	306 J	1650 J	1680 J	63 J	38.1 J	9200 J
Beryllium	ICP	0.013	0.5	0.041 J	0.56 UJ	0.68 UJ	0.75 UJ	0.64 UJ	0.22 J	151 UJ
Cadmium	ICP	0.013	0.5	40.2 J	9.5 J	52.2 J	52.2 J	0.69 J	0.63 J	306 J
Calcium	ICP	3.5	500	13900 J	2490 J	11300 J	18200 J	1380 J	767 J	41900 J
Chromium	ICP	0.075	1	187 J	2820 *J	202 J	269 J	26.6 J	12.8 J	610
Cobalt	ICP	0.085	5	24.3 J	42.8 J	21.1 J	39.6 J	8	3.5 J	1510 UJ
Copper	ICP	0.18	2.5	9960 * J	40000 *J	8240 *J	13800 *J	69.9 J	17.2 J	2170 J
Iron	ICP	0.68	10	447000 * J	1090000 *J	468000 *J	908000 *J	20200 J	11000 J	805000 J
Lead	ICP	0.25	1	6580 *JEB	7130 *JEB	10000 *JEB	25000 *JEB	42.8 JEB	16.8 JEB	5080 J
Magnesium	ICP	1.3	500	8770 J	1280 J	6390 J	11400 J	4640	2530	23400 J
Manganese	ICP	0.017	1.5	3170 *J	7920 *J	2620 *J	4200 * J	265 J	153 J	3070 J
Mercury	CV	0.003	0.1	5.2 *J	0.33 J	1.2 J	2.7 J	0.53	0.4	0.4 J
Nickel	ICP	0.055	4	645 J	5380 *J	606 J	432 J	21.7 J	9.7 J	1080 J
Potassium	ICP	8.9	500	452 J	179 J	623 J	555 J	2120	1250	5070 J
Selenium	ICP	0.29	3.5	4.8 UJ	3.9 UJ	4.8 UJ	5.2 UJ	4.5 U	3.7 U	1060 U
Silver	ICP	0.083	1	R	104 *J	R	R	R	R	75.9 J
Sodium	ICP	2.6	500	R	559 UJ	R	R	R	R	1700 J
Thallium	ICP	0.15	2.5	3.4 U	1.5 J	3.4 U	3.7 U	3.2 U	2.7 U	65.9 J
Vanadium	ICP	0.11	5	23.5 J	13.1 J	25.2 J	25.6 J	30.2	16.7	67 J
Zinc	ICP	0.12	6	70300 *J	10500 *J	63600 *J	32600 *J	102 J	72.7 J	11300 JEB
			DILUTION FACTOR	1.0 / 200 *	1.0 / 200 *	1.0 / 200 *	1.0 / 200 *	1.0	1.0	200.0
			DATE SAMPLED	11/09/2010	11/09/2010	11/09/2010	11/09/2010	11/16/2010	11/16/2010	11/18/2010
			% SOLID	73.5	89.5	73.4	67.1	78.0	94.0	66.2

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT C- SUBSURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3SW8; MA3SS9; MA3ST4; MA3ST6; MA3ST5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3T15	MA3T16	MA3T17	MA3T18	MA3T19	MA3T20	MA3T21
			SAMPLE LOCATION	SB-35	SB-36	SB-37	SB-38	SB-40	SB-42	SB-43
			STATION LOCATION	LM-0067	LM-0068	LM-0069	LM-0070	LM-0071	LM-0072	LM-0073
			LABORATORY NUMBER	11504(S)	11505(S)	11417(S)	11418(S)	11484(S)	11485(S)	11506(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	19700 J	20700 J	5520 EB	9760 EB	3070	6500	22500 J
Antimony	ICP	0.27	6	1860 U	1880 U	6.8 UJ	8.1 UJ	R	R	1820 U
Arsenic	ICP	0.2	1	136 J	244 J	3.7	3.3	0.69 J	2.4 J	242 J
Barium	ICP	0.094	20	8360 J	13700 J	19.6 J	30.8 J	24.1 UJ	35.1 J	16200 J
Beryllium	ICP	0.013	0.5	5.5 J	156 UJ	0.56 UJ	0.68 UJ	0.6 UJ	0.61 UJ	152 U
Cadmium	ICP	0.013	0.5	75 J	219 J	0.56 UJ	0.68 UJ	0.6 UJ	0.61 UJ	202 J
Calcium	ICP	3.5	500	52000 J	92800 J	615 JEB	983 JEB	683	1140	100000 J
Chromium	ICP	0.075	1	631	762	9.2 J	15.3 J	5.5	14.2	882
Cobalt	ICP	0.085	5	1550 UJ	1560 UJ	3.2 J	4.9 J	6 UJ	6.1 UJ	1520 U
Copper	ICP	0.18	2.5	803 J	2900 J	6.3 J	10.3 J	3.2 J	6.5 J	3040 J
Iron	ICP	0.68	10	805000 J	1130000 J	7560 J	12600 J	4390	9890	1250000 J
Lead	ICP	0.25	1	3880 J	4750 J	2.3 JEB	3 JEB	1.4	1.6	5910 J
Magnesium	ICP	1.3	500	38100 J	39100 J	2010	3180	1360	2800	31000 J
Manganese	ICP	0.017	1.5	4980 J	4310 J	112 JEB	178 JEB	62.1 EB	125 EB	4720 J
Mercury	CV	0.003	0.1	2.4 J	1.3 J	0.11 U	0.14 U	0.0043 J	0.0044 J	0.38 J
Nickel	ICP	0.055	4	565 J	998 J	7.6 J	11.8 J	5.5 EB	11 EB	1080 J
Potassium	ICP	8.9	500	7320 J	6430 J	919	1450	473 J	1580 J	6730 J
Selenium	ICP	0.29	3.5	1090 U	1100 U	4 U	4.7 U	4.2 UJ	4.3 UJ	1060 U
Silver	ICP	0.083	1	76.6 J	106 J	R	R	1.2 U	1.2 UJ	122 J
Sodium	ICP	2.6	500	12400 J	2900 J	109 J	154 J	602 UJ	609 UJ	3130 J
Thallium	ICP	0.15	2.5	79.5 J	57.6 J	2.8 U	3.4 U	3 UJ	3 UJ	758 U
Vanadium	ICP	0.11	5	118 J	84.8 J	11.1	17.3	7	16.3	94.6 J
Zinc	ICP	0.12	6	11100 JEB	14400 JEB	14 J	23 J	10 JEB	17.8 JEB	14800 JEB
			DILUTION FACTOR	200.0	200.0	1.0	1.0	1.0	1.0	200.0
			DATE SAMPLED	11/18/2010	11/18/2010	11/17/2010	11/17/2010	11/17/2010	11/17/2010	11/18/2010
			% SOLID	64.4	63.9	89.0	74.0	83.0	82.1	66.0

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT C- SUBSURFACE SOIL/SOURCE SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3SW8; MA3SS9; MA3ST4; MA3ST6; MA3ST5
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3T22						
			SAMPLE LOCATION	SB-44						
			STATION LOCATION	LM-0074						
			LABORATORY NUMBER	11486(S)						
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	4390						
Antimony	ICP	0.27	6	R						
Arsenic	ICP	0.2	1	8 J						
Barium	ICP	0.094	20	23.9 UJ						
Beryllium	ICP	0.013	0.5	0.6 UJ						
Cadmium	ICP	0.013	0.5	0.6 UJ						
Calcium	ICP	3.5	500	1440						
Chromium	ICP	0.075	1	7.1						
Cobalt	ICP	0.085	5	6 UJ						
Copper	ICP	0.18	2.5	3.9 J						
Iron	ICP	0.68	10	8440						
Lead	ICP	0.25	1	2						
Magnesium	ICP	1.3	500	1730						
Manganese	ICP	0.017	1.5	92.5 EB						
Mercury	CV	0.003	0.1	0.0038 J						
Nickel	ICP	0.055	4	5.5						
Potassium	ICP	8.9	500	832 J						
Selenium	ICP	0.29	3.5	4.2 UJ						
Silver	ICP	0.083	1	1.2 UJ						
Sodium	ICP	2.6	500	597 UJ						
Thallium	ICP	0.15	2.5	3 UJ						
Vanadium	ICP	0.11	5	10.2						
Zinc	ICP	0.12	6	18.7 JEB						
			DILUTION FACTOR	1.0						
			DATE SAMPLED	11/18/2010						
			% SOLID	83.8						

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT D

LEEDS METAL
GROUNDWATER SAMPLE ANALYTICAL RESULTS
START
Samples Collected on 10, 11, and 16 November 2010

DATA SUMMARY KEY
GROUNDWATER

J	=	The associated numerical value is an estimated quantity.
U	=	The compound or element was analyzed for, but not detected. The associated numerical value is the sample-adjusted CRQL.
UJ	=	The compound or element was analyzed for, but not detected. The associated numerical value is the estimated sample-adjusted CRQL.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3T24, A3T26
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/L

		SAMPLE NUMBER	A3T57	A3T58	A3T59	A3T60	A3T61	A3T62	A3T63
		SCRIBE SAMPLE NUMBER	LM-0109	LM-0110	LM-0111	LM-0112	LM-0113	LM-0114	LM-0115
		SAMPLE LOCATION	GW-01	GW-02	GW-03	GW-04	GW-05	GW-06	GW-07
		LABORATORY NUMBER	200-2503-5	200-2503-6	200-2503-7	200-2503-8	200-2503-9	200-2503-10	200-2503-11
COMPOUND	CRQL	MDL							
Dichlorodifluoromethane	0.5	0.025	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5	0.097	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5	0.069	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5	0.052	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	5	0.930	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Carbon disulfide	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	0.5	0.075	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Methylene chloride	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5	0.018	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5	0.032	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5	0.053	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5	0.052	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5	0.610	2.3 J	5 UJ	2.7 J	2.6 J	5 UJ	5 UJ	2.6 J
Bromochloromethane	0.5	0.072	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5	0.028	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5	0.040	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5	0.054	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.078 J	0.068 J
Methylcyclohexane	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5	0.053	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5	0.043	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5	0.036	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	5	0.360	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	0.5	0.031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5	0.031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5	0.073	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5	0.051	0.5 U	1.2	0.5 U	0.5 U	0.5 U	19	5.7
2-Hexanone	5	0.290	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Dibromochloromethane	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5	0.200	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5	0.039	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5	0.041	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	0.5	0.033	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5	0.066	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5	0.044	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5	0.080	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5	0.042	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5	0.035	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5	0.051	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5	0.250	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,2,4-Trichlorobenzene	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5	0.029	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
		DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
		DATE SAMPLED	11/10/2010	11/10/2010	11/11/2010	11/11/2010	11/11/2010	11/10/2010	11/11/2010
		DATE ANALYZED	11/19/2010	11/19/2010	11/19/2010	11/19/2010	11/19/2010	11/19/2010	11/19/2010

NOTES:
µg/L = micrograms per Liter
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3T24, A3T26
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/L

		SAMPLE NUMBER	A3T64	A3T65	A3T66	A3TQ5	A3TQ6		
		SCRIBE SAMPLE NUMBER	LM-0116	LM-0117	LM-0118	LM-0297	LM-0298		
		SAMPLE LOCATION	GW-08	GW-09	GW-10	GW-11	GW-12		
		LABORATORY NUMBER	200-2503-12	200-2503-13	200-2503-14	200-2587-15	200-2587-16		
COMPOUND	CRQL	MDL							
Dichlorodifluoromethane	0.5	0.025	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Chloromethane	0.5	0.097	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Vinyl chloride	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Bromomethane	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Chloroethane	0.5	0.069	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Trichlorofluoromethane	0.5	0.052	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,1-Dichloroethene	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Acetone	5	0.930	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ		
Carbon disulfide	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Methyl acetate	0.5	0.075	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ		
Methylene chloride	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
trans-1,2-Dichloroethene	0.5	0.018	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Methyl tert-butyl ether	0.5	0.032	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,1-Dichloroethane	0.5	0.053	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
cis-1,2-Dichloroethene	0.5	0.052	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
2-Butanone	5	0.610	2.9 J	5 UJ	1.7 J	5 UJ	5 UJ		
Bromochloromethane	0.5	0.072	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Chloroform	0.5	0.047	0.5 U	0.099 J	0.5 U	0.5 U	0.5 U		
1,1,1-Trichloroethane	0.5	0.028	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Cyclohexane	0.5	0.040	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Carbon tetrachloride	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Benzene	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2-Dichloroethane	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Trichloroethene	0.5	0.054	0.5 U	0.5 U	0.062 J	0.5 U	0.5 U		
Methylcyclohexane	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2-Dichloropropane	0.5	0.053	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Bromodichloromethane	0.5	0.043	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
cis-1,3-Dichloropropene	0.5	0.036	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
4-Methyl-2-pentanone	5	0.360	5 U	5 U	5 U	5 U	5 U		
Toluene	0.5	0.031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
trans-1,3-Dichloropropene	0.5	0.031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,1,2-Trichloroethane	0.5	0.073	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Tetrachloroethene	0.5	0.051	0.5 U	0.5 U	5.3	0.59	0.5 U		
2-Hexanone	5	0.290	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ		
Dibromochloromethane	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2-Dibromoethane	0.5	0.200	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Chlorobenzene	0.5	0.039	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Ethylbenzene	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
o-Xylene	0.5	0.041	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
m,p-Xylene	0.5	0.033	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Styrene	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Bromoform	0.5	0.066	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
Isopropylbenzene	0.5	0.044	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,1,2,2-Tetrachloroethane	0.5	0.080	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,3-Dichlorobenzene	0.5	0.042	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,4-Dichlorobenzene	0.5	0.035	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2-Dichlorobenzene	0.5	0.051	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2-Dibromo-3-chloropropane	0.5	0.250	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ		
1,2,4-Trichlorobenzene	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
1,2,3-Trichlorobenzene	0.5	0.029	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0		
		DATE SAMPLED	11/11/2010	11/11/2010	11/11/2010	11/16/2010	11/16/2010		
		DATE ANALYZED	11/19/2010	11/19/2010	11/19/2010	11/22/2010	11/22/2010		

NOTES:
µg/L = micrograms per Liter
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: MA2T24; MA3T26
LABORATORY: TESTAMERICA

TABLE 2
DISSOLVED METALS
µg/L

			SAMPLE NUMBER	MA3T57	MA3T58	MA3T59	MA3T60	MA3T61	MA3T62	MA3T63
			SAMPLE LOCATION	GW-01	GW-02	GW-03	GW-04	GW-05	GW-06	GW-07
			STATION LOCATION	LM-0109	LM-0110	LM-0111	LM-0112	LM-0113	LM-0114	LM-0115
			LABORATORY NUMBER	11238	11239	11240	11241	11242	11243	11244
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	32.9 J	20 UJ	20 UJ	20 J	20 UJ	20 UJ	20 UJ
Antimony	MS	0.0	2	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Arsenic	MS	0.2	1	0.21 J	1 UJ	2.3 J	1 UJ	1 UJ	2 J	0.21 J
Barium	MS	0.066	10	1.7 J	2.6 J	7 J	3.8 J	1.6 J	7.9 J	1.9 J
Beryllium	MS	0.01	1	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Cadmium	MS	0.03	1	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Calcium	MS	64.8	500	8400 J	7400 J	23800 J	10600 J	2420 J	22400 J	13800 J
Chromium	MS	0.08	2	2 UJ	0.53 J	0.21 J	0.18 J	0.87 J	2 UJ	2 UJ
Cobalt	MS	0.0	1	0.022 J	0.043 J	0.066 J	0.022 J	0.016 J	2.8 J	0.1 J
Copper	MS	0.6	2	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Iron	MS	1.5	200	200 UJ	200 UJ	200 UJ	200 UJ	200 UJ	1790 J	200 UJ
Lead	MS	0.1	1	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Magnesium	MS	1.6	500	1700 J	1800 J	7900 J	3280 J	444 J	2780 J	3090 J
Manganese	MS	0.13	1	0.57 J	1.4 J	5.3 J	1 UJ	0.59 J	183 J	638 J
Mercury	CV	0.029	0.2	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Nickel	MS	0.07	1	0.43 J	0.36 J	0.96 J	0.48 J	0.22 J	1.8 J	1.2 J
Potassium	MS	6	500	1470 J	893 J	3190 J	1440 J	808 J	1920 J	1950 J
Selenium	MS	0.4	5	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Silver	MS	0.0	1	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Sodium	MS	4.8	500	1310 UJ	6540 J	3460 J	3530 J	12700 J	1690 J	17400 J
Thallium	MS	0.0	1	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Vanadium	MS	0.1	5	0.17 J	0.18 J	1.5 J	0.16 J	0.2 J	0.11 J	0.23 J
Zinc	MS	0.17	2	9.7 UJ	9.4 UJ	10.6 UJ	12.1 UJ	11.4 UJ	11 UJ	8.2 UJ
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/10/2010	11/10/2010	11/11/2010	11/11/2010	11/11/2010	11/10/2010	11/11/2010

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

SITE: LEEDS METALS
CASE: 40791
SDGs: MA2T24; MA3T26
LABORATORY: TESTAMERICA

TABLE 2
DISSOLVED METALS
µg/L

			SAMPLE NUMBER	MA3T64	MA3T65	MA3T66	MA3TQ5	MA3TQ6		
			SAMPLE LOCATION	GW-08	GW-09	GW-10	GW-11	GW-12		
			STATION LOCATION	LM-0116	LM-0117	LM-0118	LM-0297	LM-0298		
			LABORATORY NUMBER	11245	11246	11247	11463	11464		
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	20 UJ	135 J	20 UJ	470 U	140 U		
Antimony	MS	0.0	2	2 UJ	2 UJ	2 UJ	2 U	2 U		
Arsenic	MS	0.2	1	1 UJ	2.1 J	0.21 J	20.2 U	14.1 U		
Barium	MS	0.066	10	2.4 J	2.5 J	2 J	12.1 J	10.3 J		
Beryllium	MS	0.01	1	1 UJ	1 UJ	1 UJ	1 U	1 U		
Cadmium	MS	0.03	1	1 UJ	1 UJ	1 UJ	1 U	0.078 J		
Calcium	MS	64.8	500	3190 J	6470 J	14000 J	9620	21400		
Chromium	MS	0.08	2	0.27 J	3.6 J	2 UJ	17.8	2 U		
Cobalt	MS	0.0	1	0.017 J	0.079 J	0.096 J	0.77 J	3 J		
Copper	MS	0.6	2	2 UJ	0.58 J	2 UJ	3.1 U	2 U		
Iron	MS	1.5	200	200 UJ	176 J	200 UJ	200 U	560		
Lead	MS	0.1	1	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ		
Magnesium	MS	1.6	500	1000 J	1360 J	3170 J	276 J	2910		
Manganese	MS	0.13	1	0.8 J	2.9 J	641 J	1 U	1590 J		
Mercury	CV	0.029	0.2	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 U		
Nickel	MS	0.07	1	0.21 J	0.51 J	1.2 J	1	1.7 J		
Potassium	MS	6	500	638 J	1830 J	2000 J	35100	2930		
Selenium	MS	0.4	5	5 UJ	5 UJ	5 UJ	5 U	5 U		
Silver	MS	0.0	1	1 UJ	1 UJ	1 UJ	1 U	1 U		
Sodium	MS	4.8	500	3110 J	2440 J	17800 J	20500 J	11200 J		
Thallium	MS	0.0	1	1 UJ	1 UJ	1 UJ	1 U	1 U		
Vanadium	MS	0.1	5	0.11 J	3.9 J	0.18 J	5.9 J	0.14 J		
Zinc	MS	0.17	2	11.2 UJ	11 UJ	8.8 UJ	2 U	5		
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0		
			DATE SAMPLED	11/11/2010	11/11/2010	11/11/2010	11/16/2010	11/16/2010		

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT D- GROUNDWATER SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3TH0, MA3TK4
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
µg/L

			SAMPLE NUMBER	MA3TN7	MA3TN8	MA3TN9	MA3TP0	MA3TP1	MA3TP2	MA3TP3
			SAMPLE LOCATION	GW-01	GW-02	GW-03	GW-04	GW-05	GW-06	GW-07
			STATION LOCATION	LM-0279	LM-0280	LM-0281	LM-0282	LM-0283	LM-0284	LM-0285
			LABORATORY NUMBER	11259	11260	11261	11262	11263	11264	11265
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	286 UJ	214 UJ	571 UJ	256 UJ	1570 J	193 UJ	268 UJ
Antimony	MS	0.0	2	2 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2 UJ	2 UJ
Arsenic	MS	0.2	1	0.23 J	1.0 UJ	2.3 J	1.0 UJ	1.1 J	2.0 J	0.21 J
Barium	MS	0.066	10	2.1 J	2.9 J	9.7 J	4.0 J	15.7	8.5 J	2.9 J
Beryllium	MS	0.01	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	MS	0.03	1	1.0 UJ	0.038 J	1 UJ	0.040 J	0.031 J	1 UJ	0.036 J
Calcium	MS	64.8	500	8470	7530	23700	10500	2540	22800	13800
Chromium	MS	0.08	2	0.35 J	0.65 J	1.1 J	0.31 J	2.5	0.23 J	0.22 J
Cobalt	MS	0.0	1	0.046 J	0.047 J	0.51 J	0.033 J	1.7	2.9	0.14 J
Copper	MS	0.6	2	0.57 J	2.0 U	1.6 J	2.0 U	3.0	2.0 U	2.0 U
Iron	MS	1.5	200	200 U	200 U	581	200 U	1410	1880	200 U
Lead	MS	0.1	1	1 UJ	1 UJ	1 UJ	1 UJ	1.7 J	1 UJ	1 UJ
Magnesium	MS	1.6	500	1720	1820	8090	3280	723	2830	3070
Manganese	MS	0.13	1	2.1 U	1 U	15.2	1 U	61.8	199	742
Mercury	CV	0.029	0.2	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ
Nickel	MS	0.07	1	1 U	1 U	1.7 U	1 U	2.3 U	1.5 U	1.1 U
Potassium	MS	6	500	1600 J	1010 J	3450 J	1560 J	1090 J	2050 J	2070 J
Selenium	MS	0.4	5	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U	5 U
Silver	MS	0.0	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Sodium	MS	4.8	500	2260 UJ	7340 J	4530 UJ	4270 UJ	13100 J	2700 UJ	17400 J
Thallium	MS	0.0	1	1 UJ	1 UJ	1 UJ	1.0 UJ	1 UJ	1 UJ	1.0 UJ
Vanadium	MS	0.1	5	0.25 J	0.18 J	2.5 J	0.23 J	2.2 J	0.17 J	0.30 J
Zinc	MS	0.17	2	2 U	2.1 U	4.0 U	2 U	7.2 U	2.4 U	2 U
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/10/2010	11/10/2010	11/11/2010	11/11/2010	11/11/2010	11/10/2010	11/11/2010

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT D- GROUNDWATER SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3TH0, MA3TK4
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
µg/L

			SAMPLE NUMBER	MA3TP4	MA3TP5	MA3TP6	MA3TQ7	MA3TQ8		
			SAMPLE LOCATION	GW-08	GW-09	GW-10	GW-11	GW-12		
			STATION LOCATION	LM-0286	LM-0287	LM-0288	LM-299	LM-0300		
			LABORATORY NUMBER	11266	11267	11268	11447	11448		
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	280 UJ	5390 J	206 UJ	913 J	481 U		
Antimony	MS	0.0	2	2.0 UJ	2.0 UJ	2 UJ	2 UJ	2 UJ		
Arsenic	MS	0.2	1	1.0 UJ	4.1 J	1.0 UJ	14.1 U	12.8 U		
Barium	MS	0.066	10	2.6 J	37.1	2.6 J	17.2 J	12.9 J		
Beryllium	MS	0.01	1	1 U	0.28 J	1 U	1 UJ	1 UJ		
Cadmium	MS	0.03	1	1 UJ	0.053 J	0.039 UJ	1 U	1 UJ		
Calcium	MS	64.8	500	3120	8070	14600	9700	21800		
Chromium	MS	0.08	2	0.39 J	12.5	0.25 J	17.8	1 J		
Cobalt	MS	0.0	1	0.033 J	7.1	0.13 J	1.8 J	3.3 J		
Copper	MS	0.6	2	2.0 U	14.6	0.58 J	4.4 J	2.3 J		
Iron	MS	1.5	200	200 U	7070	200 U	514	1080		
Lead	MS	0.1	1	1 UJ	3.9 J	1 UJ	1 UJ	1 UJ		
Magnesium	MS	1.6	500	968	3370	3080	500 UJ	2870		
Manganese	MS	0.13	1	1.2	175	751	63.7 J	1620 J		
Mercury	CV	0.029	0.2	0.20 UJ	0.20 UJ	0.20 UJ	0.2 UJ	0.2 UJ		
Nickel	MS	0.07	1	1 U	12.4	1.1 U	2.2 J	2.4 J		
Potassium	MS	6	500	724 J	3370 J	2110 J	30700	2990		
Selenium	MS	0.4	5	5 U	5 U	5 U	5 UJ	5 U		
Silver	MS	0.0	1	1.0 U	1.0 U	1.0 U	1 UJ	1 UJ		
Sodium	MS	4.8	500	3720 UJ	3250 UJ	17500 J	20400 J	11300 J		
Thallium	MS	0.0	1	1.0 UJ	1 UJ	1.0 UJ	1 UJ	1 UJ		
Vanadium	MS	0.1	5	0.10 J	14.6	0.28 J	7 J	0.82 J		
Zinc	MS	0.17	2	2.2 U	19.3	2 U	3.7 UJ	3.7 UJ		
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0		
			DATE SAMPLED	11/11/2010	11/11/2010	11/11/2010	11/16/2010	11/16/2010		

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
All results are reported in micrograms per liter (µg/L).
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT E

LEEDS METAL
DRINKING WATER SAMPLE ANALYTICAL RESULTS
START
Samples Collected on 8 through 11, 16, and 17 November 2010

DATA SUMMARY KEY
DRINKING WATER

J	=	The associated numerical value is an estimated quantity.
U	=	The compound or element was analyzed for, but not detected. The associated numerical value is the sample-adjusted CRQL.
UJ	=	The compound or element was analyzed for, but not detected. The associated numerical value is the estimated sample-adjusted CRQL.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3T23, A3T24, A3T26
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/L

SAMPLE NUMBER			A3T23	A3T24	A3T25	A3T26	A3T27	A3T28	A3T30
SCRIBE SAMPLE NUMBER			LM-0075	LM-0076	LM-0077	LM-0078	LM-0079	LM-0080	LM-0082
SAMPLE LOCATION			DW-01	DW-02	DW-03	DW-04	DW-05	DW-06	DW-08
LABORATORY NUMBER			200-2450-1	200-2587-1	200-2587-2	200-2503-1	200-2450-2	200-2450-3	200-2587-3
COMPOUND	CRQL	MDL							
Dichlorodifluoromethane	0.5	0.025	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5	0.097	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5	0.069	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5	0.052	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	5	0.930	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Carbon disulfide	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	0.5	0.075	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Methylene chloride	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5	0.018	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5	0.032	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5	0.053	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5	0.052	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5	0.610	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Bromochloromethane	0.5	0.072	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5	0.028	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5	0.040	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5	0.054	0.5 U	0.5 U	0.5 U	0.5 U	1	0.5 U	0.5 U
Methylcyclohexane	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5	0.053	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5	0.043	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5	0.036	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	5	0.360	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	0.5	0.031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5	0.031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5	0.073	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5	0.051	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	5	0.290	5 U	5 UJ	5 UJ	5 UJ	5 U	5 U	5 UJ
Dibromochloromethane	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5	0.200	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5	0.039	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5	0.041	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	0.5	0.033	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5	0.066	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5	0.044	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5	0.080	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5	0.042	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5	0.035	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5	0.051	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5	0.250	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,2,4-Trichlorobenzene	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5	0.029	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DILUTION FACTOR			1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED			11/08/2010	11/16/2010	11/16/2010	11/10/2010	11/08/2010	11/09/2010	11/17/2010
DATE ANALYZED			11/14/2010	11/22/2010	11/22/2010	11/19/2010	11/14/2010	11/14/2010	11/22/2010

NOTES:
µg/L = micrograms per Liter
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3T23, A3T24, A3T26
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/L

		SAMPLE NUMBER	A3T31	A3T32	A3T33	A3T34	A3T35	A3T36	A3T37
		SCRIBE SAMPLE NUMBER	LM-0083	LM-0084	LM-0085	LM-0086	LM-0087	LM-0088	LM-0089
		SAMPLE LOCATION	DW-09	DW-10	DW-11	DW-12	DW-13	DW-14	DW-15
		LABORATORY NUMBER	200-2450-4	200-2450-5	200-2503-2	200-2587-4	200-2450-6	200-2450-7	200-2587-5
COMPOUND	CRQL	MDL							
Dichlorodifluoromethane	0.5	0.025	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5	0.097	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5	0.069	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5	0.052	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	5	0.930	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Carbon disulfide	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	0.5	0.075	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Methylene chloride	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5	0.018	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5	0.032	0.5 U	0.069 J	0.11 J	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5	0.053	0.5 U	0.5 U	0.5 U	0.81	0.12 J	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5	0.052	0.079 J	0.5 U	0.5 U	7.8 J	0.57	0.5 U	0.21 J
2-Butanone	5	0.610	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 UJ	5 UJ
Bromochloromethane	0.5	0.072	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5	0.028	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5	0.040	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	0.5	0.030	0.5 U	0.5 U	0.5 U	0.046 J	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5	0.054	0.21 J	0.5 U	0.5 U	18	0.96	0.5 U	0.4 J
Methylcyclohexane	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5	0.053	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5	0.043	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5	0.036	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	5	0.360	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	0.5	0.031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5	0.031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5	0.073	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5	0.051	0.5 U	0.085 J	0.089 J	3.9	0.91	0.5 U	0.054 J
2-Hexanone	5	0.290	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ
Dibromochloromethane	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5	0.200	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5	0.039	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5	0.041	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	0.5	0.033	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5	0.066	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5	0.044	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5	0.080	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5	0.042	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5	0.035	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5	0.051	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5	0.250	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,2,4-Trichlorobenzene	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5	0.029	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
		DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
		DATE SAMPLED	11/08/2010	11/08/2010	11/10/2010	11/17/2010	11/08/2010	11/08/2010	11/16/2010
		DATE ANALYZED	11/14/2010	11/14/2010	11/19/2010	11/22/2010	11/14/2010	11/14/2010	11/22/2010

NOTES:
µg/L = micrograms per Liter
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3T23, A3T24, A3T26
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/L

		SAMPLE NUMBER	A3T38	A3T40	A3T41	A3T42	A3T43	A3T44	A3T45
		SCRIBE SAMPLE NUMBER	LM-0090	LM-0092	LM-0093	LM-0094	LM-0095	LM-0096	LM-0097
		SAMPLE LOCATION	DW-16	DW-18	DW-19	DW-20	DW-21	DW-22	DW-23
		LABORATORY NUMBER	200-2450-8	200-2503-3	200-2587-6	200-2450-9	200-2587-7	200-2450-10	200-2587-8
COMPOUND	CRQL	MDL							
Dichlorodifluoromethane	0.5	0.025	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5	0.097	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5	0.069	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5	0.052	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	5	0.930	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Carbon disulfide	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	0.5	0.075	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Methylene chloride	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5	0.018	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5	0.032	0.5 U	0.11 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5	0.053	0.5 U	0.087 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5	0.052	0.26 J	0.27 J	0.5 U	0.5 U	0.5 U	0.5 U	0.46 J
2-Butanone	5	0.610	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Bromochloromethane	0.5	0.072	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5	0.028	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5	0.040	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5	0.054	0.63	0.52	0.5 U	0.5 U	0.5 U	0.5 U	0.91
Methylcyclohexane	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5	0.053	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5	0.043	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5	0.036	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	5	0.360	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	0.5	0.031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5	0.031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5	0.073	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5	0.051	0.12 J	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.61
2-Hexanone	5	0.290	5 U	5 UJ	5 UJ	5 U	5 UJ	5 U	5 UJ
Dibromochloromethane	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5	0.200	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5	0.039	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5	0.041	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	0.5	0.033	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5	0.066	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5	0.044	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5	0.080	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5	0.042	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5	0.035	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5	0.051	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5	0.250	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,2,4-Trichlorobenzene	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5	0.029	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DILUTION FACTOR			1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED			11/08/2010	11/10/2010	11/17/2010	11/08/2010	11/17/2010	11/08/2010	11/16/2010
DATE ANALYZED			11/14/2010	11/19/2010	11/22/2010	11/14/2010	11/22/2010	11/14/2010	11/22/2010

NOTES:
µg/L = micrograms per Liter
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3T23, A3T24, A3T26
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/L

		SAMPLE NUMBER	A3T46	A3T47	A3T48	A3T49	A3T50	A3T51	A3T52
		SCRIBE SAMPLE NUMBER	LM-0098	LM-0099	LM-0100	LM-0101	LM-0102	LM-0103	LM-0104
		SAMPLE LOCATION	DW-24	DW-25	DW-26	DW-27	DW-28	DW-29	DW-30
		LABORATORY NUMBER	200-2450-11	200-2450-12	200-2587-9	200-2503-4	200-2450-13	200-2450-14	200-2450-15
COMPOUND	CRQL	MDL							
Dichlorodifluoromethane	0.5	0.025	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5	0.097	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5	0.069	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	0.5	0.052	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Acetone	5	0.930	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5.2 U
Carbon disulfide	0.5	0.060	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	0.5	0.075	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Methylene chloride	0.5	0.060	0.17 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5	0.018	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	0.5	0.032	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5	0.053	0.16 J	0.072 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5	0.052	0.79	0.43 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	5	0.610	5 UJ	5 UJ	5 UJ	2 J	5 UJ	5 UJ	5 UJ
Bromochloromethane	0.5	0.072	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5	0.028	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.5	0.040	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5	0.038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	0.5	0.030	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.064 J
1,2-Dichloroethane	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	0.5	0.054	1.5	0.65	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane	0.5	0.049	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5	0.053	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	0.5	0.043	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5	0.036	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	5	0.360	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	0.5	0.031	0.5 U	19 *	0.81	0.5 U	0.5 U	0.5 U	0.58
trans-1,3-Dichloropropene	0.5	0.031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5	0.073	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	0.5	0.051	0.77	0.07 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	5	0.290	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U
Dibromochloromethane	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.5	0.200	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5	0.039	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5	0.050	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.084 J
o-Xylene	0.5	0.041	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.13 J
m,p-Xylene	0.5	0.033	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	0.5	0.057	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	0.5	0.066	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	0.5	0.044	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5	0.080	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5	0.042	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	0.5	0.035	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5	0.051	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.5	0.250	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
1,2,4-Trichlorobenzene	0.5	0.047	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	0.5	0.029	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
		DILUTION FACTOR	1.0	1 / 2*	1.0	1.0	1.0	1.0	1.0
		DATE SAMPLED	11/09/2010	11/08/2010	11/17/2010	11/11/2010	11/09/2010	11/09/2010	11/08/2010
		DATE ANALYZED	11/14/2010	11/14/2010	11/22/2010	11/19/2010	11/14/2010	11/14/2010	11/14/2010

NOTES:
µg/L = micrograms per Liter
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METAL
CASE: 40791
SDGs: A3T23, A3T24, A3T26
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/L

		SAMPLE NUMBER	A3T53	A3T55	A3T56				
		SCRIBE SAMPLE NUMBER	LM-0105	LM-0107	LM-0108				
		SAMPLE LOCATION	DW-31	DW-33	DW-34				
		LABORATORY NUMBER	200-2587-10	200-2450-16	200-2587-11				
COMPOUND	CRQL	MDL							
Dichlorodifluoromethane	0.5	0.025	0.5 U	0.5 U	0.5 U				
Chloromethane	0.5	0.097	0.5 U	0.5 U	0.5 U				
Vinyl chloride	0.5	0.049	0.5 U	0.5 U	0.5 U				
Bromomethane	0.5	0.050	0.5 U	0.5 U	0.5 U				
Chloroethane	0.5	0.069	0.5 U	0.5 U	0.5 U				
Trichlorofluoromethane	0.5	0.052	0.5 U	0.5 U	0.5 U				
1,1-Dichloroethene	0.5	0.038	0.5 U	0.5 U	0.5 U				
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	0.030	0.5 U	0.5 U	0.5 U				
Acetone	5	0.930	5 UJ	5 UJ	5 UJ				
Carbon disulfide	0.5	0.060	0.5 U	0.5 U	0.5 U				
Methyl acetate	0.5	0.075	0.5 UJ	0.5 UJ	0.5 UJ				
Methylene chloride	0.5	0.060	0.5 U	0.5 U	0.5 U				
trans-1,2-Dichloroethene	0.5	0.018	0.5 U	0.5 U	0.5 U				
Methyl tert-butyl ether	0.5	0.032	0.5 U	0.5 U	0.5 U				
1,1-Dichloroethane	0.5	0.053	0.5 U	0.5 U	0.5 U				
cis-1,2-Dichloroethene	0.5	0.052	0.5 U	0.5 U	0.14 J				
2-Butanone	5	0.610	5 UJ	5 UJ	5 UJ				
Bromochloromethane	0.5	0.072	0.5 U	0.5 U	0.5 U				
Chloroform	0.5	0.047	0.5 U	0.5 U	0.5 U				
1,1,1-Trichloroethane	0.5	0.028	0.5 U	0.5 U	0.5 U				
Cyclohexane	0.5	0.040	0.5 U	0.5 U	0.5 U				
Carbon tetrachloride	0.5	0.038	0.5 U	0.5 U	0.5 U				
Benzene	0.5	0.030	0.5 U	0.5 U	0.5 U				
1,2-Dichloroethane	0.5	0.057	0.5 U	0.5 U	0.5 U				
Trichloroethene	0.5	0.054	0.5 U	0.066 J	0.35 J				
Methylcyclohexane	0.5	0.049	0.5 U	0.5 U	0.5 U				
1,2-Dichloropropane	0.5	0.053	0.5 U	0.5 U	0.5 U				
Bromodichloromethane	0.5	0.043	0.5 U	0.5 U	0.5 U				
cis-1,3-Dichloropropene	0.5	0.036	0.5 U	0.5 U	0.5 U				
4-Methyl-2-pentanone	5	0.360	5 U	5 U	5 U				
Toluene	0.5	0.031	0.5 U	0.5 U	0.5 U				
trans-1,3-Dichloropropene	0.5	0.031	0.5 U	0.5 U	0.5 U				
1,1,2-Trichloroethane	0.5	0.073	0.5 U	0.5 U	0.5 U				
Tetrachloroethene	0.5	0.051	0.5 U	0.5 U	0.5 U				
2-Hexanone	5	0.290	5 UJ	5 UJ	5 UJ				
Dibromochloromethane	0.5	0.047	0.5 U	0.5 U	0.5 U				
1,2-Dibromoethane	0.5	0.200	0.5 U	0.5 U	0.5 U				
Chlorobenzene	0.5	0.039	0.5 U	0.5 U	0.5 U				
Ethylbenzene	0.5	0.050	0.5 U	0.5 U	0.5 U				
o-Xylene	0.5	0.041	0.5 U	0.5 U	0.5 U				
m,p-Xylene	0.5	0.033	0.5 U	0.5 U	0.5 U				
Styrene	0.5	0.057	0.5 U	0.5 U	0.5 U				
Bromoform	0.5	0.066	0.5 U	0.5 U	0.5 U				
Isopropylbenzene	0.5	0.044	0.5 U	0.5 U	0.5 U				
1,1,2,2-Tetrachloroethane	0.5	0.080	0.5 U	0.5 U	0.5 U				
1,3-Dichlorobenzene	0.5	0.042	0.5 U	0.5 U	0.5 U				
1,4-Dichlorobenzene	0.5	0.035	0.5 U	0.5 U	0.5 U				
1,2-Dichlorobenzene	0.5	0.051	0.5 U	0.5 U	0.5 U				
1,2-Dibromo-3-chloropropane	0.5	0.250	0.5 UJ	0.5 UJ	0.5 UJ				
1,2,4-Trichlorobenzene	0.5	0.047	0.5 U	0.5 U	0.5 U				
1,2,3-Trichlorobenzene	0.5	0.029	0.5 U	0.5 U	0.5 U				
		DILUTION FACTOR	1.0	1.0	1.0				
		DATE SAMPLED	11/17/2010	11/08/2010	11/16/2010				
		DATE ANALYZED	11/22/2010	11/14/2010	11/22/2010				

NOTES:
µg/L = micrograms per Liter
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT E- DRINKING WATER SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3T24, MA3T26, MA3T27
LABORATORY: TESTAMERICA

TABLE 2
DISSOLVED METALS
µg/L

			SAMPLE NUMBER	MA3T23	MA3T24	MA3T25	MA3T26	MA3T27	MA3T28	MA3T30
			SAMPLE LOCATION	DW-01	DW-02	DW-03	DW-04	DW-05	DW-06	DW-08
			STATION LOCATION	LM-0075	LM-0076	M-0077	LM-0078	LM-0079	LM-0080	LM-0082
			LABORATORY NUMBER	11164	11451	11452	11234	11165	11166	11453
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	76.4 UJ	164 J	132 J	20 UJ	71.3 UJ	74.5 UJ	157 J
Antimony	MS	0.0	2	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
Arsenic	MS	0.2	1	1.8 UJ	22.8 J	13.1 J	1 UJ	1.5 UJ	3.1 J	16.8 J
Barium	MS	0.066	10	2.4 J	0.74 J	2.9 J	2.7 J	1.9 J	6.5 J	3.6 J
Beryllium	MS	0.01	1	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Cadmium	MS	0.03	1	1 UJ	1 U	1 U	1 UJ	1 UJ	1 UJ	1 U
Calcium	MS	64.8	500	7330	11500	5540	7020 J	5250	18900	8400
Chromium	MS	0.08	2	2 U	0.17 J	0.25 J	2 UJ	2 U	0.44 J	2.7
Cobalt	MS	0.0	1	1 U	1 U	1 U	0.02 J	1 U	1 U	1 U
Copper	MS	0.6	2	3.5	2 U	0.69 J	6.1 J	46.3	1.3 J	27.6
Iron	MS	1.5	200	200 U	70.4 J	4350	200 UJ	200 U	200 U	75.2 J
Lead	MS	0.1	1	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 UJ
Magnesium	MS	1.6	500	1210	1140	1080	1240 J	950	2400	1510
Manganese	MS	0.13	1	3.3	13.3 J	83.4 J	6.6 J	12.3	1 U	1.4 J
Mercury	CV	0.029	0.2	0.2 UJ	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U
Nickel	MS	0.07	1	1 U	0.46 J	0.46 J	0.46 J	1 U	1 U	0.75 J
Potassium	MS	6	500	830	1630	477 J	1110 J	754	1950	1590
Selenium	MS	0.4	5	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
Silver	MS	0.0	1	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Sodium	MS	4.8	500	3570 J	43000 J	2310 J	9820 J	2010 J	2950 J	3080 J
Thallium	MS	0.0	1	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Vanadium	MS	0.1	5	5 UJ	0.2 J	0.14 J	0.12 J	5 UJ	0.26 J	2 J
Zinc	MS	0.17	2	6.2	2.5 U	5.8	15.3 UJ	263	1 J	11.8
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/08/2010	11/10/2010	11/16/2010	11/10/2010	11/08/2010	11/09/2010	11/16/2010

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT E- DRINKING WATER SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3T24, MA3T26, MA3T27
LABORATORY: TESTAMERICA

TABLE 2
DISSOLVED METALS
µg/L

			SAMPLE NUMBER	MA3T31	MA3T32	MA3T33	MA3T34	MA3T35	MA3T36	MA3T37
			SAMPLE LOCATION	DW-09	DW-10	DW-11	DW-12	DW-13	DW-14	DW-15
			STATION LOCATION	LM-0083	LM-0084	LM-0085	LM-0086	LM-0087	LM-0088	LM-0089
			LABORATORY NUMBER	11167	11168	11235	11454	11169	11170	11455
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	102 J	95.2 UJ	20 UJ	130 J	72.3 UJ	80.5 UJ	163 J
Antimony	MS	0.0	2	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
Arsenic	MS	0.2	1	12.6 J	2.1 UJ	1.5 J	26.7 J	8 J	1.8 UJ	24.1 J
Barium	MS	0.066	10	2.6 J	4.1 J	9.5 J	6 J	5 J	24.4 J	3.4 J
Beryllium	MS	0.01	1	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Cadmium	MS	0.03	1	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 U
Calcium	MS	64.8	500	17900	18900	28600 J	36700	25500	7720	22600
Chromium	MS	0.08	2	0.7 J	0.65 J	0.63 J	0.21 J	0.38 J	2 U	0.17 J
Cobalt	MS	0.0	1	1 U	1 U	0.049 J	1 U	1 U	0.46 J	1 U
Copper	MS	0.6	2	2 U	3.7	1.4 J	2 U	0.78 J	252	0.83 J
Iron	MS	1.5	200	200 U	200 U	200 UJ	200 U	200 U	200 U	200 U
Lead	MS	0.1	1	1 U	1 U	1 UJ	1 UJ	1 U	1.6 U	1 UJ
Magnesium	MS	1.6	500	1330	3460	3730 J	2050	2510	1200	1910
Manganese	MS	0.13	1	1 U	1.9	1 UJ	35.6 J	2	14.5	12.6 J
Mercury	CV	0.029	0.2	0.2 UJ	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 U
Nickel	MS	0.07	1	0.43 J	0.48 J	1.2 J	2.2 J	0.51 J	3.4	0.88 J
Potassium	MS	6	500	3360	2630	2700 J	5180	3460	901	3800
Selenium	MS	0.4	5	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Silver	MS	0.0	1	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Sodium	MS	4.8	500	7810 J	17300 J	5570 J	7030 J	3960 J	11400 J	4330 J
Thallium	MS	0.0	1	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Vanadium	MS	0.1	5	0.6 J	0.16 J	0.38 J	5 UJ	0.36 J	5 UJ	0.27 J
Zinc	MS	0.17	2	1.3 J	8.7	15.8 UJ	5	2 J	10	3.4
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/08/2010	11/08/2010	11/10/2010	11/17/2010	11/08/2010	11/08/2010	11/17/2010

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3T24, MA3T26, MA3T27
LABORATORY: TESTAMERICA

TABLE 2
DISSOLVED METALS
µg/L

			SAMPLE NUMBER	MA3T38	MA3T40	MA3T41	MA3T42	MA3T43	MA3T44	MA3T45
			SAMPLE LOCATION	DW-16	DW-18	DW-19	DW-20	DW-21	DW-22	DW-23
			STATION LOCATION	LM-0090	LM-0092	LM-0093	LM-0094	LM-0095	LM-0096	LM-0097
			LABORATORY NUMBER	11171	11236	11456	11172	11457	11173	11458
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	82.5 UJ	20 UJ	135 J	73.8 UJ	127 J	73.7 UJ	167 J
Antimony	MS	0.0	2	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U
Arsenic	MS	0.2	1	12.8 J	8.3 J	12.3 J	1.6 UJ	12.5 J	1.5 UJ	23.4 J
Barium	MS	0.066	10	3.7 J	6.4 J	8.4 J	13 J	2.7 J	13.1 J	6.2 J
Beryllium	MS	0.01	1	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Cadmium	MS	0.03	1	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
Calcium	MS	64.8	500	20500	28000 J	7670	6510	6570	3840	24700
Chromium	MS	0.08	2	2 U	2 UJ	0.16 J	2 U	3	2 U	0.19 J
Cobalt	MS	0.0	1	1 U	0.037 J	1 U	1 U	1 U	1 U	1 U
Copper	MS	0.6	2	2 U	1.2 J	17.3	13.3	29.3	86.4	2.3
Iron	MS	1.5	200	200 U	200 UJ	200 U	200 U	200 U	200 U	200 U
Lead	MS	0.1	1	1 U	1 UJ	1.1 UJ	1 U	1 UJ	2.4	1 UJ
Magnesium	MS	1.6	500	1510	2900 J	1410	498 J	1740	336 J	2240
Manganese	MS	0.13	1	1	1 UJ	2.2 J	22.6	1 U	1.9	1 J
Mercury	CV	0.029	0.2	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	0.2 U	0.2 UJ	0.2 U
Nickel	MS	0.07	1	1 U	1.1 J	1.6 J	0.63 J	0.37 J	0.49 J	1.2
Potassium	MS	6	500	3350	4020 J	845	1460	755	794	4260
Selenium	MS	0.4	5	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
Silver	MS	0.0	1	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Sodium	MS	4.8	500	3150 J	4620 J	15300 J	24400 J	3920 J	23600 J	4420 J
Thallium	MS	0.0	1	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Vanadium	MS	0.1	5	0.43 J	1.4 J	0.072 J	5 UJ	0.45 J	5 UJ	0.81 J
Zinc	MS	0.17	2	0.85 J	12.2 UJ	16.6	9.3	4.5	11	5.2
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/08/2010	11/10/2010	11/16/2010	11/08/2010	11/17/2010	11/08/2010	11/16/2010

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT E- DRINKING WATER SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3T24, MA3T26, MA3T27
LABORATORY: TESTAMERICA

TABLE 2
DISSOLVED METALS
µg/L

			SAMPLE NUMBER	MA3T46	MA3T47	MA3T48	MA3T49	MA3T50	MA3T51	MA3T52
			SAMPLE LOCATION	DW-24	DW-25	DW-26	DW-27	DW-28	DW-29	DW-30
			STATION LOCATION	LM-0098	LM-0099	LM-0100	LM-0101	LM-0102	LM-0103	LM-0104
			LABORATORY NUMBER	11174	11175	11459	11237	11176	11177	11178
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	67.1 UJ	84 UJ	168 J	20 UJ	86.8 UJ	99.7 J	84.1 UJ
Antimony	MS	0.0	2	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
Arsenic	MS	0.2	1	13.6 J	13.7 J	30.1 J	10.7 J	9.8 J	1.5 UJ	17.3 J
Barium	MS	0.066	10	4.2 J	2.4 J	2.7 J	2.4 J	3.8 J	4.3 J	10 UJ
Beryllium	MS	0.01	1	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Cadmium	MS	0.03	1	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 UJ	1 UJ
Calcium	MS	64.8	500	23600	23100	25100	25600 J	27000	5140	6200
Chromium	MS	0.08	2	2 U	2 U	0.16 J	2 UJ	2 U	0.37 J	2 U
Cobalt	MS	0.0	1	1 U	1 U	1 U	0.037 J	1 U	1 U	1 U
Copper	MS	0.6	2	2 U	2 U	2 U	2 UJ	2 U	13.2	2 U
Iron	MS	1.5	200	200 U	200 U	200 U	200 UJ	200 U	200 U	200 U
Lead	MS	0.1	1	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Magnesium	MS	1.6	500	1850	1770	963	1240 J	2580	832	750
Manganese	MS	0.13	1	10.4	10	10.4 J	4.2 J	2.3	1.1 U	1.5
Mercury	CV	0.029	0.2	0.2 UJ	0.2 UJ	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Nickel	MS	0.07	1	1 U	0.96 J	0.92 J	1.1 J	0.45 J	1 U	1 U
Potassium	MS	6	500	3760	3720	2740	2600 J	4160	2030	1470
Selenium	MS	0.4	5	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U
Silver	MS	0.0	1	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Sodium	MS	4.8	500	3410 J	4060 J	12000 J	11800 J	7760 J	27500 J	29100 J
Thallium	MS	0.0	1	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Vanadium	MS	0.1	5	5 UJ	0.12 J	5 UJ	5 UJ	0.72 J	0.13 J	5 UJ
Zinc	MS	0.17	2	0.82 J	3.7	2 U	10.1 UJ	0.6 J	1.7 J	1.2 J
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/09/2010	11/08/2010	11/17/2010	11/11/2010	11/09/2010	11/09/2010	11/08/2010

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT E- DRINKING WATER SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3T24, MA3T26, MA3T27
LABORATORY: TESTAMERICA

TABLE 2
DISSOLVED METALS
µg/L

			SAMPLE NUMBER	MA3T53	MA3T55	MA3T56				
			SAMPLE LOCATION	DW-31	DW-33	DW-34				
			STATION LOCATION	LM-0105	LM-0107	LM-0108				
			LABORATORY NUMBER	11460	11179	11461				
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	173 J	101 J	148 J				
Antimony	MS	0.0	2	2 U	2 U	2 U				
Arsenic	MS	0.2	1	15.1 J	1.8 UJ	24.7 J				
Barium	MS	0.066	10	14.5 J	24.4 J	3.3 J				
Beryllium	MS	0.01	1	1 U	1 U	1 U				
Cadmium	MS	0.03	1	1 U	1 UJ	1 U				
Calcium	MS	64.8	500	21800	7750	23300				
Chromium	MS	0.08	2	1.6 J	2 U	0.15 J				
Cobalt	MS	0.0	1	1 U	0.42 J	1 U				
Copper	MS	0.6	2	33.1	188	0.81 J				
Iron	MS	1.5	200	200 U	200 U	200 U				
Lead	MS	0.1	1	1 UJ	1.4 U	1 UJ				
Magnesium	MS	1.6	500	4990	1210	1920				
Manganese	MS	0.13	1	2.9 J	15	12.9 J				
Mercury	CV	0.029	0.2	0.2 U	0.2 UJ	0.2 U				
Nickel	MS	0.07	1	1 J	3.3	0.88 J				
Potassium	MS	6	500	2280	922	3940				
Selenium	MS	0.4	5	5 U	5 U	5 U				
Silver	MS	0.0	1	1 U	1 U	1 U				
Sodium	MS	4.8	500	14900 J	11400 J	4390 J				
Thallium	MS	0.0	1	1 U	1 U	1 U				
Vanadium	MS	0.1	5	0.29 J	5 UJ	0.25 J				
Zinc	MS	0.17	2	6.9	9.8	4.4				
			DILUTION FACTOR	1.0	1.0	1.0				
			DATE SAMPLED	11/17/2010	11/08/2010	11/16/2010				

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT E- DRINKING WATER SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3TG7, MA3TH0, MA3TK4
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
µg/L

			SAMPLE NUMBER	MA3TK3	MA3TK4	MA3TK5	MA3TK6	MA3TK7	MA3TK8	MA3TL0
			SAMPLE LOCATION	DW-01	DW-02	DW-03	DW-04	DW-05	DW-06	DW-08
			STATION LOCATION	LM-0245	LM-0246	LM-0247	LM-0248	LM-0249	LM-0250	LM-0252
			LABORATORY NUMBER	11147	11435	11436	11255	11148	11149	11437
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	209 UJ	189 J	161 J	176 UJ	221 J	179 J	283 J
Antimony	MS	0.0	2	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Arsenic	MS	0.2	1	1 U	21.2 J	12.5 J	1 UJ	1 U	1.5 J	17.5 J
Barium	MS	0.066	10	2.4 J	1 J	2.8 J	2.2 J	1.9 J	6.6 J	4.3 J
Beryllium	MS	0.01	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	MS	0.03	1	0.032 J	1 U	1 U	0.037 J	0.071 J	1 U	1 U
Calcium	MS	64.8	500	8040	11700	5230	7330	5700	20100	8430
Chromium	MS	0.08	2	2 U	0.16 J	0.16 J	0.77 J	0.29 J	0.42 J	5.4
Cobalt	MS	0.0	1	0.027 J	1 U	1 UJ	0.021 J	0.05 J	0.021 J	1 UJ
Copper	MS	0.6	2	12.3	0.63 J	1.4 J	9.2	49.4	1.5 J	90.2
Iron	MS	1.5	200	3380 J	200 UJ	2330	200 U	133 J	200 UJ	710
Lead	MS	0.1	1	4.4 U	1 UJ	1 UJ	1 UJ	0.55 J	0.14 J	10
Magnesium	MS	1.6	500	1320	1100	983	1270	1030	2650	1450
Manganese	MS	0.13	1	5.4 J	15.2 J	80.6 J	7.1	13.2 J	0.82 J	6.1 J
Mercury	CV	0.029	0.2	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Nickel	MS	0.07	1	1 UJ	1 UJ	1 UJ	1 U	0.43 J	0.53 J	1.2 U
Potassium	MS	6	500	957 J	1650	425 J	1250 J	886 J	2170 J	1580
Selenium	MS	0.4	5	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
Silver	MS	0.0	1	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
Sodium	MS	4.8	500	4480 UJ	43600 J	2220 J	10700 J	2920 J	4040 J	2970 J
Thallium	MS	0.0	1	1 U	1 UJ	1 UJ	1 UJ	1 U	1 U	1 UJ
Vanadium	MS	0.1	5	0.29 J	0.23 J	5 UJ	0.15 J	5 UJ	0.56 J	3.9 J
Zinc	MS	0.17	2	9.4 U	0.64 J	2.8 J	8.6	249	0.82 J	8.5 J
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/08/2010	11/16/2010	11/16/2010	11/10/2010	11/08/2010	11/09/2010	11/17/2010

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT E- DRINKING WATER SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3TG7, MA3TH0, MA3TK4
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
µg/L

			SAMPLE NUMBER	MA3TL1	MA3TL2	MA3TL3	MA3TL4	MA3TL5	MA3TL6	MA3TL7
			SAMPLE LOCATION	DW-09	DW-10	DW-11	DW-12	DW-13	DW-14	DW-15
			STATION LOCATION	LM-0253	LM-0254	LM-0255	LM-0266	LM-0257	LM-0258	LM-0259
			LABORATORY NUMBER	11150	11151	11256	11438	11152	11153	11439
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	243 J	174 J	174 UJ	171 J	181 J	196 J	196 J
Antimony	MS	0.0	2	2 UJ	2 UJ	2 UJ	2 UJ	0.19 J	2 UJ	2 UJ
Arsenic	MS	0.2	1	11.1 J	0.55 J	1.3 J	26.8 J	6.4 J	0.41 J	23.8 J
Barium	MS	0.066	10	2.4 J	4.1 J	9.5 J	5.9 J	4.9 J	24.9	3.4 J
Beryllium	MS	0.01	1	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ
Cadmium	MS	0.03	1	1 U	1 U	1 UJ	1 U	1 U	0.042 J	1 UJ
Calcium	MS	64.8	500	17000	19400	29000	36300	26700	8620	22500
Chromium	MS	0.08	2	0.45 J	0.72 J	0.87 J	0.16 J	0.39 J	0.27 J	0.57 J
Cobalt	MS	0.0	1	0.021 J	0.04 J	0.052 J	1 UJ	0.051 J	0.45 J	1 UJ
Copper	MS	0.6	2	1.2 J	6.8	18	1.3 J	1.1 J	213	6.4 J
Iron	MS	1.5	200	109 J	168 J	200 U	149 J	67 J	76.2 J	436
Lead	MS	0.1	1	0.16 J	0.86 J	2 J	1 UJ	0.19 J	1.8	1 UJ
Magnesium	MS	1.6	500	1370	3740	3770	1920	2730	1340	1820
Manganese	MS	0.13	1	1.1 J	11.9 J	1 U	37 J	2.4 J	16 J	33 J
Mercury	CV	0.029	0.2	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Nickel	MS	0.07	1	0.48 J	0.65 J	1.5 U	2.6 J	0.71 J	3.1 J	1.3 U
Potassium	MS	6	500	3380 J	2820 J	2850 J	4990	3710 J	1060 J	3840
Selenium	MS	0.4	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Silver	MS	0.0	1	1 U	1 U	1 U	1 UJ	1 U	1 U	1 UJ
Sodium	MS	4.8	500	8610 J	19500 J	6440 J	6850 J	5070 J	13400 J	4360 J
Thallium	MS	0.0	1	1 U	1 U	1 UJ	1 U	0.11 J	0.045 J	1 UJ
Vanadium	MS	0.1	5	0.55 J	0.3 J	0.44 J	5 UJ	0.72 J	0.085 J	0.66 J
Zinc	MS	0.17	2	0.92 J	9.6	59.4	4.1 J	1.5 J	9.8	6.2 J
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/08/2010	11/08/2010	11/10/2010	11/17/2010	11/08/2010	11/08/2010	11/16/2010

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORBTION
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT E- DRINKING WATER SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3TG7, MA3TH0, MA3TK4
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
µg/L

			SAMPLE NUMBER	MA3TL8	MA3TM0	MA3TM1	MA3TM2	MA3TM3	MA3TM4	MA3TM5
			SAMPLE LOCATION	DW-16	DW-18	DW-19	DW-20	DW-21	DW-22	DW-23
			STATION LOCATION	LM-0260	LM-0262	LM-0263	LM-0264	LM-0265	LM-0266	LM-0267
			LABORATORY NUMBER	11154	11257	11440	11155	11441	11156	11442
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	176 J	258 UJ	161 J	269 J	152 J	216 UJ	456 J
Antimony	MS	0.0	2	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Arsenic	MS	0.2	1	11.9 J	7.7 J	12.3 J	0.3 J	12.3 J	1 U	22.2 J
Barium	MS	0.066	10	3.7 J	6.5 J	8.1 J	15.6	2.7 J	13.4	6.7 J
Beryllium	MS	0.01	1	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ
Cadmium	MS	0.03	1	1 U	0.037 J	1 U	0.11 J	1 U	1 U	1 U
Calcium	MS	64.8	500	22200	27500	7590	7260	6310	4200	25100
Chromium	MS	0.08	2	0.22 J	0.49 J	0.18 J	0.63 J	2.9	2 U	2.2
Cobalt	MS	0.0	1	0.029 J	0.034 J	1 UJ	1.4	1 U	0.066 J	1 UJ
Copper	MS	0.6	2	0.98 J	1.8 J	21.4 J	75.1	33.8	83	5.9 J
Iron	MS	1.5	200	200 UJ	200 U	200 UJ	4780 J	200 UJ	200 UJ	826
Lead	MS	0.1	1	0.41 J	1 UJ	1 UJ	1.9	1 UJ	2.6 U	1 UJ
Magnesium	MS	1.6	500	1700	2840	1320	564	1600	373 J	2280
Manganese	MS	0.13	1	1.7 J	1 U	2.4 J	233 J	1 UJ	2.1 UJ	8.7 J
Mercury	CV	0.029	0.2	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Nickel	MS	0.07	1	0.54 J	1.1 U	1.7 U	2.2 J	1 UJ	1 UJ	2.1 J
Potassium	MS	6	500	3670 J	4090 J	781	1660 J	690	935 J	4210
Selenium	MS	0.4	5	5 U	5 U	5 U	0.57 J	5 U	5 UJ	5 U
Silver	MS	0.0	1	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ
Sodium	MS	4.8	500	4320 J	5300 UJ	15300 J	27700 J	3770 J	26300 J	4180 J
Thallium	MS	0.0	1	1 U	1 UJ	1 UJ	0.032 J	1 UJ	1 U	1 UJ
Vanadium	MS	0.1	5	0.44 J	1.4 J	5 UJ	0.47 J	0.41 J	0.089 J	1.5 J
Zinc	MS	0.17	2	2.2	4.2	15.6 J	12.9	5.5 J	9.7 U	7.4 J
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/08/2010	11/10/2010	11/17/2010	11/08/2010	11/17/2010	11/08/2010	11/16/2010

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT E- DRINKING WATER SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3TG7, MA3TH0, MA3TK4
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
µg/L

			SAMPLE NUMBER	MA3TM6	MA3TM7	MA3TM8	MA3TM9	MA3TN0	MA3TN1	MA3TN2
			SAMPLE LOCATION	DW-24	DW-25	DW-26	DW-27	DW-28	DW-29	DW-30
			STATION LOCATION	LM-0268	LM-0269	LM-0270	LM-0271	LM-0272	LM-0273	LM-0274
			LABORATORY NUMBER	11157	11158	11443	11258	11159	11160	11161
ANALYTES	METHOD.	MDL	CRQL							
Aluminum	MS	0.6	20	178 J	246 J	205 J	228 UJ	190 J	234 J	220 J
Antimony	MS	0.0	2	2 UJ	0.047 J	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Arsenic	MS	0.2	1	12.6 J	13 J	28.9	10.2 J	9 J	1 U	16.1 J
Barium	MS	0.066	10	4.3 J	2.6 J	2.9 J	2.6 J	3.7 J	4.2 J	0.47 J
Beryllium	MS	0.01	1	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Cadmium	MS	0.03	1	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Calcium	MS	64.8	500	25200	24900	24400	26500	29000	5560	6980
Chromium	MS	0.08	2	0.21 J	0.48 J	0.15 J	0.18 J	0.19 J	0.42 J	0.21 J
Cobalt	MS	0.0	1	0.036 J	0.078 J	1 UJ	0.036 J	0.035 J	0.076 J	0.018 J
Copper	MS	0.6	2	2 U	1.6 J	1.5 J	0.82 J	2 U	14.2	0.65 J
Iron	MS	1.5	200	91.5 J	252 J	469	230	122 J	200 UJ	200 UJ
Lead	MS	0.1	1	0.093 J	1.4	1 UJ	1 UJ	0.17 J	0.17 J	1 U
Magnesium	MS	1.6	500	2080	1990	896	1260	2840	898	838
Manganese	MS	0.13	1	11.2 J	12.8 J	19.6 J	8.5	2.6 J	1.3 J	4.9 J
Mercury	CV	0.029	0.2	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Nickel	MS	0.07	1	0.75 J	1.4 J	1 UJ	1 U	0.71 J	0.26 J	0.29 J
Potassium	MS	6	500	4160 J	4190 J	2610	2750 J	4660 J	2240 J	1710 J
Selenium	MS	0.4	5	0.48 J	0.54 J	5 U	5 U	0.55 J	0.57 J	0.79 J
Silver	MS	0.0	1	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Sodium	MS	4.8	500	4570 J	5050 J	12000 J	12300 J	9320 J	30200 J	33100 J
Thallium	MS	0.0	1	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
Vanadium	MS	0.1	5	0.24 J	0.24 J	5 UJ	5 UJ	0.93 J	0.083 J	5 UJ
Zinc	MS	0.17	2	0.84 J	6.8	3.9 J	3.7	0.74 J	1.4 J	4.3
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/09/2010	11/08/2010	11/17/2010	11/11/2010	11/09/2010	11/09/2010	11/08/2010

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT E- DRINKING WATER SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METALS
CASE: 40791
SDGs: MA3TG7, MA3TH0, MA3TK4
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
µg/L

			SAMPLE NUMBER	MA3TN3	MA3TN5	MA3TN6				
			SAMPLE LOCATION	DW-31	DW-33	DW-34				
			STATION LOCATION	LM-0275	LM-0277	LM-0278				
			LABORATORY NUMBER	11444	11162	11445				
ANALYTES	METHOD	MDL	CRQL							
Aluminum	MS	0.6	20	138 J	199 J	160 J				
Antimony	MS	0.0	2	2 UJ	2 UJ	2 UJ				
Arsenic	MS	0.2	1	10.8 J	0.39 J	22.3 J				
Barium	MS	0.066	10	14.1 J	24.8	3.3 J				
Beryllium	MS	0.01	1	1 UJ	1 U	1 UJ				
Cadmium	MS	0.03	1	1 U	1 U	1 U				
Calcium	MS	64.8	500	21400	8850	22600				
Chromium	MS	0.08	2	1.7 J	0.28 J	0.48 J				
Cobalt	MS	0.0	1	1 UJ	0.47 J	1 UJ				
Copper	MS	0.6	2	29.4 J	225	4.8 J				
Iron	MS	1.5	200	200 UJ	87.1 J	277				
Lead	MS	0.1	1	1 UJ	1.6	1 UJ				
Magnesium	MS	1.6	500	4740	1370	1760				
Manganese	MS	0.13	1	4.4 J	19.3 J	10.1 J				
Mercury	CV	0.029	0.2	0.2 UJ	0.2 UJ	0.2 UJ				
Nickel	MS	0.07	1	1 U	5.3 J	1.1 U				
Potassium	MS	6	500	2200	1120 J	3770				
Selenium	MS	0.4	5	5 U	0.75 J	5 U				
Silver	MS	0.0	1	1 UJ	1 U	1 UJ				
Sodium	MS	4.8	500	14600 J	13700 J	4230 J				
Thallium	MS	0.0	1	1 UJ	0.029 J	1 UJ				
Vanadium	MS	0.1	5	0.32 J	5 UJ	0.5 J				
Zinc	MS	0.17	2	3.7 J	11.6	3.9 J				
			DILUTION FACTOR	1.0	1.0	1.0				
			DATE SAMPLED	11/17/2010	11/08/2010	11/16/2010				

ANALYTICAL METHOD:
MS- INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETRY
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
µg/L = micrograms per liter
MDL = Method Detection Limit.
CRQL = Contract Required Quantitation Limit.

ATTACHMENT F

LEEDS METAL
SEDIMENT SAMPLE ANALYTICAL RESULTS
START
Samples Collected on 8, 9, 15, and 16 November 2010

DATA SUMMARY KEY
SEDIMENT

J	=	The associated numerical value is an estimated quantity.
U	=	The compound or element was analyzed for, but not detected. The associated numerical value is the sample-adjusted CRQL.
UJ	=	The compound or element was analyzed for, but not detected. The associated numerical value is the estimated sample-adjusted CRQL.
TB	=	The compound was identified in an aqueous trip blank that was used to assess field contamination associated with soil/source samples.
R	=	The value for the compound of element was rejected due to failure of one or more quality control parameters.
EB	=	The compound was identified in an aqueous equipment blank used to assess field contamination associated with soil/source samples.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3T67	A3T69	A3T71	A3T72	A3T73	A3T74	A3T75
SCRIBE SAMPLE NUMBER		SD-01	SD-03	SD-05	SD-06	SD-07	SD-08	SD-09
SAMPLE LOCATION		LM-0119	LM-0121	LM-0123	LM-0124	LM-0125	LM-0126	LM-0127
LABORATORY NUMBER		200-2546-1	200-2546-2	200-2456-1	200-2456-2	200-2456-3	200-2456-4	200-2456-5
COMPOUND	CRQL							
Dichlorodifluoromethane	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Chloromethane	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Vinyl chloride	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Bromomethane	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Chloroethane	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Trichlorofluoromethane	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,1-Dichloroethene	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Acetone	10	49 EB	360 EB	16 U	12 U	8.5 U	1200 U	7.4 U
Carbon disulfide	5	8.1 U	11 UJ	0.92 J	3.4 U	4.2 U	580 U	0.83 J
Methyl acetate	5	1.6 J	23 J	5.2 U	0.94 J	4.2 U	71 J	3.7 U
Methylene chloride	5	8.1 U	11 UJ	0.22 J	3.4 U	4.2 U	580 U	3.7 U
trans-1,2-Dichloroethene	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Methyl tert-butyl ether	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,1-Dichloroethane	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
cis-1,2-Dichloroethene	5	8.1 U	11 UJ	0.39 J	3.4 U	4.2 U	580 U	3.7 U
2-Butanone	10	9.2 J	49 J	4.1 EB	2.6 EB	8.5 U	1200 U	7.4 U
Bromochloromethane	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Chloroform	5	8.1 U	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,1,1-Trichloroethane	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Cyclohexane	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Carbon tetrachloride	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Benzene	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,2-Dichloroethane	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,4-Dioxane	100	160 UJ	210 UJ	100 UJ	68 UJ	85 UJ	12000 UJ	74 UJ
Trichloroethene	5	8.1 UJ	11 UJ	0.67 J	3.4 U	4.2 U	580 U	3.7 U
Methylcyclohexane	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,2-Dichloropropane	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Bromodichloromethane	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
cis-1,3-Dichloropropene	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
4-Methyl-2-pentanone	10	16 UJ	21 UJ	10 U	6.8 U	8.5 U	1200 U	7.4 U
Toluene	5	8.1 UJ	11 UJ	0.81 EB	2.4 EB	4.2 U	32 EB	3.7 U
trans-1,3-Dichloropropene	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,1,2-Trichloroethane	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Tetrachloroethene	5	8.1 UJ	11 UJ	0.72 J	3.4 U	4.2 U	580 U	3.7 U
2-Hexanone	10	16 UJ	21 UJ	10 U	6.8 U	8.5 U	1200 U	7.4 U
Dibromochloromethane	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,2-Dibromoethane	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Chlorobenzene	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Ethylbenzene	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
o-Xylene	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
m,p-Xylene	5	8.1 UJ	0.29 J	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Styrene	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Bromoform	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
Isopropylbenzene	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,1,2,2-Tetrachloroethane	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,3-Dichlorobenzene	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,4-Dichlorobenzene	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,2-Dichlorobenzene	5	8.1 UJ	1.2 J	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,2-Dibromo-3-chloropropane	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,2,4-Trichlorobenzene	5	8.1 UJ	11 UJ	5.2 U	3.4 U	4.2 U	580 U	3.7 U
1,2,3-Trichlorobenzene	5	8.1 UJ	4.2 J	5.2 U	3.4 U	4.2 U	580 U	3.7 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/16/2010	11/16/2010	11/09/2010	11/09/2010	11/09/2010	11/09/2010	11/09/2010
DATE ANALYZED		11/22/2010	11/23/2010	11/15/2010	11/16/2010	11/15/2010	11/22/2010	11/15/2010
SAMPLE WEIGHT (GRAMS)		4.991	7.11	6.355	12.457	7.973	16.707	9.447
% SOLID		62.1	33.3	75.8	58.7	73.8	75.5	71.6

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3T76	A3T77	A3T78	A3T79	A3T80	A3T81	A3T82
SCRIBE SAMPLE NUMBER		SD-10	SD-11	SD-12	SD-13	SD-14	SD-15	SD-16
SAMPLE LOCATION		LM-0128	LM-0129	LM-0130	LM-0131	LM-0132	LM-0133	LM-0134
LABORATORY NUMBER		200-2456-6	200-2546-3	200-2546-4	200-2546-5	200-2546-6	200-2546-7	200-2546-8
COMPOUND	CRQL							
Dichlorodifluoromethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
Chloromethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
Vinyl chloride	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
Bromomethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
Chloroethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
Trichlorofluoromethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
1,1-Dichloroethene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
Acetone	10	7.5 U	28 U	19 U	9.8 U	7.1 U	24 U	8.1 U
Carbon disulfide	5	0.91 J	4.4 U	5.2 U	4.1 U	3.5 U	0.59 J	4 U
Methyl acetate	5	0.54 J	1.2 J	5.2 U	4.1 U	3.5 U	6.2	1.5 J
Methylene chloride	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
trans-1,2-Dichloroethene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
Methyl tert-butyl ether	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
1,1-Dichloroethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
cis-1,2-Dichloroethene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
2-Butanone	10	2.3 EB	5.2 J	3.4 J	2.2 J	7.1 U	5.1 J	8.1 U
Bromochloromethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
Chloroform	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
1,1,1-Trichloroethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
Cyclohexane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
Carbon tetrachloride	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
Benzene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
1,2-Dichloroethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 U	4 U
1,4-Dioxane	100	72 UJ	87 UJ	100 UJ	82 UJ	71 UJ	120 UJ	81 UJ
Trichloroethene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
Methylcyclohexane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
1,2-Dichloropropane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
Bromodichloromethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
cis-1,3-Dichloropropene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
4-Methyl-2-pentanone	10	7.2 U	8.7 U	10 U	8.2 U	7.1 U	12 UJ	8.1 U
Toluene	5	3.6 U	0.78 EB	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
trans-1,3-Dichloropropene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
1,1,2-Trichloroethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
Tetrachloroethene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
2-Hexanone	10	7.2 U	8.7 U	10 U	8.2 U	7.1 U	12 UJ	8.1 U
Dibromochloromethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
1,2-Dibromoethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
Chlorobenzene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
Ethylbenzene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
o-Xylene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
m,p-Xylene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
Styrene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
Bromoform	5	3.6 U	4.4 UJ	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
Isopropylbenzene	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
1,1,2,2-Tetrachloroethane	5	3.6 U	4.4 U	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
1,3-Dichlorobenzene	5	3.6 U	4.4 UJ	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
1,4-Dichlorobenzene	5	3.6 U	4.4 UJ	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
1,2-Dichlorobenzene	5	3.6 U	4.4 UJ	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
1,2-Dibromo-3-chloropropane	5	3.6 U	4.4 UJ	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
1,2,4-Trichlorobenzene	5	3.6 U	4.4 UJ	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
1,2,3-Trichlorobenzene	5	3.6 U	4.4 UJ	5.2 U	4.1 U	3.5 U	5.8 UJ	4 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/09/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010
DATE ANALYZED		11/15/2010	11/23/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010	11/22/2010
SAMPLE WEIGHT (GRAMS)		9.062	7.91	6.218	7.89	8.727	6.114	7.162
% SOLID		76.5	72.4	76.9	77.6	80.8	70.4	86.5

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3T83	A3T84	A3T85	A3T87	A3T89	A3T90	A3T91
SCRIBE SAMPLE NUMBER		SD-17	SD-18	SD-19	SD-21	SD-23	SD-24	SD-25
SAMPLE LOCATION		LM-0135	LM-0136	LM-0137	LM-0139	LM-0141	LM-0142	LM-0143
LABORATORY NUMBER		200-2546-9	200-2546-10	200-2456-7	200-2456-8	200-2456-9	200-2546-11	200-2456-10
COMPOUND	CRQL							
Dichlorodifluoromethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Chloromethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Vinyl chloride	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Bromomethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Chloroethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Trichlorofluoromethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
1,1-Dichloroethene	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Acetone	10	15 U	1400 EB	73	29 U	10 U	10 UJ	26 U
Carbon disulfide	5	0.49 J	5 J	2.3 J	2.8 J	5.2 U	5.2 UJ	1.2 J
Methyl acetate	5	0.61 J	77 J	3.4 J	7 U	1.7 J	5.2 UJ	7.2 U
Methylene chloride	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
trans-1,2-Dichloroethene	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Methyl tert-butyl ether	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
1,1-Dichloroethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
cis-1,2-Dichloroethene	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
2-Butanone	10	3.2 J	310 J	19 EB	6.1 EB	10 U	10 UJ	6.6 EB
Bromochloromethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Chloroform	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
1,1,1-Trichloroethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Cyclohexane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Carbon tetrachloride	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Benzene	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
1,2-Dichloroethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
1,4-Dioxane	100	96 UJ	R	190 UJ	140 UJ	100 UJ	100 UJ	140 UJ
Trichloroethene	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Methylcyclohexane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
1,2-Dichloropropane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Bromodichloromethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
cis-1,3-Dichloropropene	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
4-Methyl-2-pentanone	10	9.6 U	R	19 U	7 U	10 U	10 UJ	14 U
Toluene	5	4.8 U	5.4 EB	9.4 U	7 U	5.2 U	1.3 EB	7.2 U
trans-1,3-Dichloropropene	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
1,1,2-Trichloroethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Tetrachloroethene	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
2-Hexanone	10	9.6 U	R	9.4 U	14 U	10 U	10 UJ	14 U
Dibromochloromethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
1,2-Dibromoethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Chlorobenzene	5	4.8 UJ	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Ethylbenzene	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
o-Xylene	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
m,p-Xylene	5	4.8 U	2.7 J	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Styrene	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
Bromoform	5	4.8 U	R	9.4 UJ	7 UJ	5.2 U	5.2 UJ	7.2 UJ
Isopropylbenzene	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
1,1,2,2-Tetrachloroethane	5	4.8 U	R	9.4 U	7 U	5.2 U	5.2 UJ	7.2 U
1,3-Dichlorobenzene	5	4.8 UJ	R	9.4 UJ	7 UJ	5.2 U	5.2 UJ	7.2 UJ
1,4-Dichlorobenzene	5	4.8 UJ	R	9.4 UJ	7 UJ	5.2 U	5.2 UJ	7.2 UJ
1,2-Dichlorobenzene	5	4.8 UJ	R	9.4 UJ	7 UJ	5.2 U	5.2 UJ	7.2 UJ
1,2-Dibromo-3-chloropropane	5	4.8 U	R	9.4 UJ	7 UJ	5.2 U	5.2 UJ	7.2 UJ
1,2,4-Trichlorobenzene	5	4.8 UJ	R	9.4 UJ	7 UJ	5.2 U	5.2 UJ	7.2 UJ
1,2,3-Trichlorobenzene	5	4.8 UJ	R	9.4 UJ	7 UJ	5.2 U	5.2 UJ	7.2 UJ
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/15/2010	11/15/2010	11/08/2010	11/08/2010	11/08/2010	11/15/2010	11/08/2010
DATE ANALYZED		11/22/2010	11/22/2010	11/16/2010	11/16/2010	11/15/2010	11/22/2010	11/15/2010
SAMPLE WEIGHT (GRAMS)		6.416	3.597	5.28	5.19	6.155	6.275	5.479
% SOLID		80.9	14.4	50.5	69.2	78.3	76.6	63.4

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3T92	A3T93	A3T94	A3T95	A3T96	A3T97	A3T98
SCRIBE SAMPLE NUMBER		SD-26	SD-27	SD-28	SD-29	SD-30	SD-31	SD-32
SAMPLE LOCATION		LM-0144	LM-0145	LM-0146	LM-0147	LM-0148	LM-0149	LM-0150
LABORATORY NUMBER		200-2456-11	200-2456-12	200-2546-12	200-2546-13	200-2456-13	200-2456-14	200-2456-15
COMPOUND	CRQL							
Dichlorodifluoromethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Chloromethane	5	7.1 U	7.3 U	0.83 J	8.8 UJ	7.2 U	7.5 U	4.8 U
Vinyl chloride	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Bromomethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Chloroethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Trichlorofluoromethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
1,1-Dichloroethene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Acetone	10	15 U	25 U	42 U	120 EB	31 U	30 U	9.6 U
Carbon disulfide	5	0.76 J	1.9 J	4.9 U	8.8 UJ	7.2 U	1 J	0.96 J
Methyl acetate	5	7.1 U	3.5 J	4.9 U	20 J	7.2 U	5.1 J	4.8 U
Methylene chloride	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
trans-1,2-Dichloroethene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Methyl tert-butyl ether	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
1,1-Dichloroethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
cis-1,2-Dichloroethene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
2-Butanone	10	6.4 EB	5.4 EB	5.2 J	29 J	4.4 EB	6.8 EB	9.6 U
Bromochloromethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Chloroform	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
1,1,1-Trichloroethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Cyclohexane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Carbon tetrachloride	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Benzene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
1,2-Dichloroethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
1,4-Dioxane	100	140 UJ	150 UJ	98 UJ	180 UJ	140 UJ	150 UJ	96 UJ
Trichloroethene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Methylcyclohexane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
1,2-Dichloropropane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Bromodichloromethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
cis-1,3-Dichloropropene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
4-Methyl-2-pentanone	10	14 U	15 U	9.8 U	18 UJ	14 U	15 U	9.6 U
Toluene	5	7.1 U	0.94 EB	0.77 EB	1.2 EB	1.5 EB	7.5 U	0.56 EB
trans-1,3-Dichloropropene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
1,1,2-Trichloroethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Tetrachloroethene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
2-Hexanone	10	14 U	15 U	9.8 U	18 UJ	14 U	15 U	9.6 U
Dibromochloromethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
1,2-Dibromoethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Chlorobenzene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Ethylbenzene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
o-Xylene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
m,p-Xylene	5	7.1 U	7.3 U	4.9 U	0.58 J	7.2 U	7.5 U	4.8 U
Styrene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
Bromoform	5	7.1 U	7.3 UJ	4.9 UJ	R	7.2 U	7.5 U	4.8 U
Isopropylbenzene	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
1,1,2,2-Tetrachloroethane	5	7.1 U	7.3 U	4.9 U	8.8 UJ	7.2 U	7.5 U	4.8 U
1,3-Dichlorobenzene	5	7.1 U	7.3 UJ	4.9 UJ	R	7.2 U	7.5 U	4.8 U
1,4-Dichlorobenzene	5	7.1 U	7.3 UJ	4.9 UJ	R	7.2 U	7.5 U	4.8 U
1,2-Dichlorobenzene	5	7.1 U	7.3 UJ	4.9 UJ	R	7.2 U	7.5 U	4.8 U
1,2-Dibromo-3-chloropropane	5	7.1 U	7.3 UJ	4.9 UJ	R	7.2 U	7.5 U	4.8 U
1,2,4-Trichlorobenzene	5	7.1 U	7.3 UJ	4.9 UJ	1.4 J	7.2 U	7.5 U	4.8 U
1,2,3-Trichlorobenzene	5	7.1 U	7.3 UJ	4.9 UJ	R	7.2 U	7.5 U	4.8 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/08/2010	11/08/2010	11/15/2010	11/15/2010	11/09/2010	11/08/2010	11/09/2010
DATE ANALYZED		11/15/2010	11/15/2010	11/23/2010	11/22/2010	11/16/2010	11/16/2010	11/15/2010
SAMPLE WEIGHT (GRAMS)		5.421	5.029	6.88	6.001	4.909	5.067	6.749
% SOLID		64.7	68.0	74.5	47.5	70.8	66.2	77.3

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

SITE: LEEDS METALS
CASE: 40791
SDGs: A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 1
VOLATILE ORGANIC COMPOUNDS
µg/Kg

SAMPLE NUMBER		A3T99	A3TQ4					
SCRIBE SAMPLE NUMBER		SD-33	SD-34					
SAMPLE LOCATION		LM-0151	LM-0296					
LABORATORY NUMBER		200-2546-14	200-2546-20					
COMPOUND	CRQL							
Dichlorodifluoromethane	5	4.6 U	6.6 U					
Chloromethane	5	4.6 U	6.6 U					
Vinyl chloride	5	4.6 U	6.6 U					
Bromomethane	5	4.6 U	6.6 U					
Chloroethane	5	4.6 U	6.6 U					
Trichlorofluoromethane	5	4.6 U	6.6 U					
1,1-Dichloroethene	5	4.6 U	6.6 U					
1,1,2-Trichloro-1,2,2-trifluoroethane	5	4.6 U	6.6 U					
Acetone	10	56 EB	13 U					
Carbon disulfide	5	4.6 U	6.6 U					
Methyl acetate	5	4.6 U	6.6 U					
Methylene chloride	5	4.6 U	0.43 TB					
trans-1,2-Dichloroethene	5	4.6 U	6.6 U					
Methyl tert-butyl ether	5	4.6 U	6.6 U					
1,1-Dichloroethane	5	4.6 U	6.6 U					
cis-1,2-Dichloroethene	5	4.6 U	6.6 U					
2-Butanone	10	7.4 J	13 U					
Bromochloromethane	5	4.6 U	6.6 U					
Chloroform	5	4.6 U	7.4					
1,1,1-Trichloroethane	5	4.6 U	6.6 U					
Cyclohexane	5	4.6 U	6.6 U					
Carbon tetrachloride	5	4.6 U	6.6 U					
Benzene	5	4.6 U	6.6 U					
1,2-Dichloroethane	5	4.6 U	6.6 U					
1,4-Dioxane	100	91 UJ	130 UJ					
Trichloroethene	5	4.6 U	6.6 U					
Methylcyclohexane	5	4.6 U	6.6 U					
1,2-Dichloropropane	5	4.6 U	6.6 U					
Bromodichloromethane	5	4.6 U	6.6 U					
cis-1,3-Dichloropropene	5	4.6 U	6.6 U					
4-Methyl-2-pentanone	10	9.1 U	13 U					
Toluene	5	0.68 EB	6.6 U					
trans-1,3-Dichloropropene	5	4.6 U	6.6 U					
1,1,2-Trichloroethane	5	4.6 U	6.6 U					
Tetrachloroethene	5	4.6 U	6.6 U					
2-Hexanone	10	9.1 U	13 U					
Dibromochloromethane	5	4.6 U	6.6 U					
1,2-Dibromoethane	5	4.6 U	6.6 U					
Chlorobenzene	5	4.6 U	6.6 U					
Ethylbenzene	5	4.6 U	6.6 U					
o-Xylene	5	4.6 U	6.6 U					
m,p-Xylene	5	4.6 U	6.6 U					
Styrene	5	4.6 U	6.6 U					
Bromoform	5	4.6 UJ	6.6 U					
Isopropylbenzene	5	4.6 U	6.6 U					
1,1,2,2-Tetrachloroethane	5	4.6 U	6.6 U					
1,3-Dichlorobenzene	5	4.6 UJ	6.6 U					
1,4-Dichlorobenzene	5	4.6 UJ	6.6 U					
1,2-Dichlorobenzene	5	4.6 UJ	6.6 U					
1,2-Dibromo-3-chloropropane	5	4.6 UJ	6.6 U					
1,2,4-Trichlorobenzene	5	4.6 UJ	6.6 U					
1,2,3-Trichlorobenzene	5	4.6 UJ	6.6 U					
DILUTION FACTOR		1.0	1.0					
DATE SAMPLED		11/15/2010	11/15/2010					
DATE ANALYZED		11/23/2010	11/23/2010					
SAMPLE WEIGHT (GRAMS)		7.42	4.84					
% SOLID		73.9	78.4					

NOTES:
µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT F- SEDIMENT SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

	SAMPLE NUMBER	A3T67	A3T69	A3T71	A3T72	A3T73	A3T74	A3T75
	SAMPLE LOCATION	SD-01	SD-03	SD-05	SD-06	SD-07	SD-08	SD-09
	STATION LOCATION	LM-0119	LM-0121	LM-0123	LM-0124	LM-0125	LM-0126	LM-0127
	LABORATORY NUMBER	200-2546-1	200-2546-2	200-2456-1	200-2456-2	200-2456-3	200-2456-4	200-2456-5
COMPOUND	CRQL							
Aroclor-1016	33	56 U	100 U	42 U	68 U	44 U	43 U	48 U
Aroclor-1221	33	56 U	100 U	42 U	68 U	44 U	43 U	48 U
Aroclor-1232	33	56 U	100 U	42 U	68 U	44 U	43 U	48 U
Aroclor-1242	33	56 U	100 U	42 U	68 U	44 U	43 U	48 U
Aroclor-1248	33	56 U	100 U	42 U	68 U	44 U	43 U	48 U
Aroclor-1254	33	56 U	100 U	42 U	68 U	44 U	43 U	48 U
Aroclor-1260	33	56 U	100 U	7.7 J	16 J	44 U	43 U	48 U
Aroclor-1262	33	56 U	100 U	42 U	68 U	44 U	43 U	48 U
Aroclor-1268	33	56 U	100 U	42 U	68 U	44 U	43 U	48 U
	DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	DATE SAMPLED	11/16/2010	11/16/2010	11/09/2010	11/09/2010	11/09/2010	11/09/2010	11/09/2010
	DATE EXTRACTED	11/18/2010	11/18/2010	11/12/2010	11/12/2010	11/12/2010	11/12/2010	11/12/2010
	DATE ANALYZED	11/24/2010	11/24/2010	11/20/2010	11/20/2010	11/16/2010	11/20/2010	11/20/2010
	SAMPLE WEIGHT (GRAMS)	30.07	29.98	30.31	30.75	30.0	30.85	30.68
	% SOLID	59	32	77	47.2	74.5	74.1	67

NOTES:

µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT F- SEDIMENT SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

SAMPLE NUMBER		A3T76	A3T77	A3T78	A3T79	A3T80	A3T81	A3T82
SAMPLE LOCATION		SD-10	SD-11	SD-12	SD-13	SD-14	SD-15	SD-16
STATION LOCATION		LM-0128	LM-0129	LM-0130	LM-0131	LM-0132	LM-0133	LM-0134
LABORATORY NUMBER		200-2456-6	200-2546-3	200-2546-4	200-2546-5	200-2546-6	200-2546-7	200-2546-8
COMPOUND	CRQL							
Aroclor-1016	33	40 U	49 U	44 U	43 U	48 U	86 U	40 U
Aroclor-1221	33	40 U	49 U	44 U	43 U	48 U	86 U	40 U
Aroclor-1232	33	40 U	49 U	44 U	43 U	48 U	86 U	40 U
Aroclor-1242	33	40 U	49 U	44 U	43 U	48 U	86 U	40 U
Aroclor-1248	33	40 U	49 U	44 U	43 U	48 U	86 U	40 U
Aroclor-1254	33	36 J	49 U	44 U	43 U	48 U	86 U	40 U
Aroclor-1260	33	87	49 U	44 U	43 U	48 U	86 U	40 U
Aroclor-1262	33	40 U	49 U	44 U	43 U	48 U	86 U	40 U
Aroclor-1268	33	40 U	49 U	44 U	43 U	48 U	86 U	40 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/09/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010
DATE EXTRACTED		11/12/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010	11/18/2010
DATE ANALYZED		11/17/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010	11/24/2010
SAMPLE WEIGHT (GRAMS)		30.59	30.16	30.4	30.6	30.5	30.87	30.8
% SOLID		80.2	67.1	73.8	75.3	67.7	37.1	79.4

NOTES:

µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT F- SEDIMENT SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

	SAMPLE NUMBER	A3T83	A3T84	A3T85	A3T87	A3T89	A3T90	A3T91
	SAMPLE LOCATION	SD-17	SD-18	SD-19	SD-21	SD-23	SD-24	SD-25
	STATION LOCATION	LM-0135	LM-0136	LM-0137	LM-0139	LM-0141	LM-0142	LM-0143
	LABORATORY NUMBER	200-2546-9	200-2546-10	200-2456-7	200-2456-8	200-2456-9	200-2546-11	200-2456-10
COMPOUND	CRQL							
Aroclor-1016	33	63 U	R	66 U	48 U	46 U	42 U	53 U
Aroclor-1221	33	63 U	R	66 U	48 U	46 U	42 U	53 U
Aroclor-1232	33	63 U	R	66 U	48 U	46 U	42 U	53 U
Aroclor-1242	33	63 U	R	66 U	48 U	46 U	42 U	53 U
Aroclor-1248	33	63 U	R	66 U	48 U	46 U	42 U	53 U
Aroclor-1254	33	63 U	R	66 U	48 U	46 U	42 U	53 U
Aroclor-1260	33	63 U	R	66 U	48 U	46 U	42 U	53 U
Aroclor-1262	33	63 U	R	66 U	48 U	46 U	42 U	53 U
Aroclor-1268	33	63 U	R	66 U	48 U	46 U	42 U	53 U
	DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	DATE SAMPLED	11/15/2010	11/15/2010	11/08/2010	11/08/2010	11/08/2010	11/15/2010	11/08/2010
	DATE EXTRACTED	11/18/2010	11/18/2010	11/12/2010	11/12/2010	11/12/2010	11/18/2010	11/12/2010
	DATE ANALYZED	11/24/2010	11/24/2010	11/20/2010	11/17/2010	11/20/2010	11/24/2010	11/17/2010
	SAMPLE WEIGHT (GRAMS)	30.07	30.4	30.06	29.99	30.08	30.43	30.09
	% SOLID	52.2	13.9	49.7	68.1	70.9	76.9	61.6

NOTES:

µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT F- SEDIMENT SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

SAMPLE NUMBER		A3T92	A3T93	A3T94	A3T95	A3T96	A3T97	A3T98
SAMPLE LOCATION		SD-26	SD-27	SD-28	SD-29	SD-30	SD-31	SD-32
STATION LOCATION		LM-0144	LM-0145	LM-0146	LM-0147	LM-0148	LM-0149	LM-0150
LABORATORY NUMBER		200-2456-11	200-2456-12	200-2546-12	200-2546-13	200-2456-13	200-2456-14	200-2456-15
COMPOUND	CRQL							
Aroclor-1016	33	49 U	53 U	45 U	54 U	42 U	51 U	42 U
Aroclor-1221	33	49 U	53 U	45 U	54 U	42 U	51 U	42 U
Aroclor-1232	33	49 U	53 U	45 U	54 U	42 U	51 U	42 U
Aroclor-1242	33	49 U	53 U	45 U	54 U	42 U	51 U	42 U
Aroclor-1248	33	49 U	53 U	45 U	54 U	42 U	51 U	42 U
Aroclor-1254	33	49 U	53 U	45 U	54 U	42 U	51 U	28 J
Aroclor-1260	33	49 U	53 U	45 U	54 U	12 J	51 U	78
Aroclor-1262	33	49 U	53 U	45 U	54 U	42 U	51 U	42 U
Aroclor-1268	33	49 U	53 U	45 U	54 U	42 U	51 U	42 U
DILUTION FACTOR		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED		11/08/2010	11/08/2010	11/15/2010	11/15/2010	11/09/2010	11/08/2010	11/09/2010
DATE EXTRACTED		11/12/2010	11/12/2010	11/18/2010	11/18/2010	11/12/2010	11/12/2010	11/12/2010
DATE ANALYZED		11/17/2010	11/20/2010	11/24/2010	11/25/2010	11/20/2010	11/17/2010	11/17/2010
SAMPLE WEIGHT (GRAMS)		30.02	30.23	30.08	30.1	30.16	30.01	30.25
% SOLID		67.2	62.3	73.1	60.5	77.9	64.8	77.6

NOTES:

µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT F- SEDIMENT SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: A3T67; A3T71
LABORATORY: TESTAMERICA

TABLE 2
POLYCHLORINATED BIPHENYLS (PCB)
µg/Kg

	SAMPLE NUMBER	A3T99	A3TQ4					
	SAMPLE LOCATION	SD-33	SD-34					
	STATION LOCATION	LM-0151	LM-0296					
	LABORATORY NUMBER	200-2546-14	200-2546-20					
COMPOUND	CRQL							
Aroclor-1016	33	44 U	42 U					
Aroclor-1221	33	44 U	42 U					
Aroclor-1232	33	44 U	42 U					
Aroclor-1242	33	44 U	42 U					
Aroclor-1248	33	44 U	42 U					
Aroclor-1254	33	44 U	42 U					
Aroclor-1260	33	44 U	42 U					
Aroclor-1262	33	44 U	42 U					
Aroclor-1268	33	44 U	42 U					
	DILUTION FACTOR	1.0	1.0					
	DATE SAMPLED	11/15/2010	11/15/2010					
	DATE EXTRACTED	11/18/2010	11/18/2010					
	DATE ANALYZED	11/25/2010	11/25/2010					
	SAMPLE WEIGHT (GRAMS)	29.95	30.1					
	% SOLID	74.4	78.6					

NOTES:

µg/Kg = micrograms per Kilogram
All results are reported on a Dry Weight Basis.
CRQL = Contract Required Quantitation Limit
* = Reported value is from diluted analysis.

ATTACHMENT F- SEDIMENT SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3T67; MA3T71
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3T67	MA3T68	MA3T69	MA3T70	MA3T71	MA3T72	MA3T73
			SAMPLE LOCATION	SD-01	SD-02	SD-03	SD-04	SD-05	SD-06	SD-07
			STATION LOCATION	LM-0119	LM-0120	LM-0121	LM-0122	LM-0123	LM-0124	LM-0125
			LABORATORY NUMBER	11348(S)	11349(S)	11350(S)	11351(S)	11125(S)	11126(S)	11127(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	10900	11400	3730	2950	11900	11600	6660
Antimony	ICP	0.27	6	8.9 UJ	7.6 UJ	8.6 UJ	12 UJ	7.9 UJ	9.3 UJ	8.5 UJ
Arsenic	ICP	0.2	1	2.5	5.1	0.68 J	1.2 J	3	4.4	2.8
Barium	ICP	0.094	20	28.3 J	26.2 J	8.3 J	25.4 J	29 J	45.1 J	19.6 J
Beryllium	ICP	0.013	0.5	0.12 J	R	0.72 UJ	0.23 J	0.1 J	0.78 UJ	0.71 UJ
Cadmium	ICP	0.013	0.5	0.74 U	0.63 U	0.72 U	1 U	0.14 J	0.33 J	0.079 J
Calcium	ICP	3.5	500	704 J	1860	1470	5810	2980	2980	1970
Chromium	ICP	0.075	1	16.3	21.8	8.2	2.9	18.9 J	23.2 J	11.3 J
Cobalt	ICP	0.085	5	3.2 J	4.9 J	0.3 J	10.4 UJ	6.7 J	5.9 J	2.9 J
Copper	ICP	0.18	2.5	5.5	12.8	4.8	7.4	12.4 J	16.4 J	8.9 J
Iron	ICP	0.68	10	9540	13500	1740	753	13800	12600	9190
Lead	ICP	0.25	1	7.3 EB	6.8 EB	2.4 EB	1.5 JEB	7.7 JEB	28.9 JEB	5 JEB
Magnesium	ICP	1.3	500	2230	3470	721	589 J	4220	3810	2360
Manganese	ICP	0.017	1.5	100	156	27.7	17.6	192	167	99.2
Mercury	CV	0.003	0.1	0.15 U	0.13 U	0.14 U	0.065 J	0.13 UJ	0.16 UJ	0.14 UJ
Nickel	ICP	0.055	4	12	17.7	4.1 J	2.5 J	17.8	20.1	8.6
Potassium	ICP	8.9	500	567 J	1290	719 U	1040 U	1340 J	1980 J	1100 J
Selenium	ICP	0.29	3.5	5.2 UJ	4.4 UJ	5 UJ	7.3 UJ	4.6 U	5.4 U	5 U
Silver	ICP	0.083	1	R	R	1.4 UJ	2.1 UJ	1.3 U	1.6 U	1.4 U
Sodium	ICP	2.6	500	207 J	240 J	235 J	336 J	414 J	465 J	354 J
Thallium	ICP	0.15	2.5	3.7 U	3.2 U	3.6 U	5.2 U	3.3 U	3.9 U	3.5 U
Vanadium	ICP	0.11	5	19.7	23.3	7.6	8.1 J	21.2	28.8	12.2
Zinc	ICP	0.12	6	29.4	41.8	10.3	12.4 U	38.9	63.6	19.8
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/16/2010	11/16/2010	11/16/2010	11/16/2010	11/09/2010	11/09/2010	11/09/2010
			DATE DIGESTED	67.6	78.9	69.5	48.2	75.7	64.4	70.7

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORBTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* or **= Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT F- SEDIMENT SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3T67; MA3T71
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3T74	MA3T75	MA3T76	MA3T77	MA3T78	MA3T79	MA3T80
			SAMPLE LOCATION	SD-08	SD-09	SD-10	SD-11	SD-12	SD-13	SD-14
			STATION LOCATION	LM-0126	LM-0127	LM-0128	LM-0129	LM-0130	LM-0131	LM-0132
			LABORATORY NUMBER	11128(S)	11129(S)	11130(S)	11352(S)	11353(S)	11354(S)	11355(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	9860	18100	10300	5990	9840	7230	6760
Antimony	ICP	0.27	6	9.2 UJ	8.9 UJ	9.2 UJ	8.3 UJ	7.5 UJ	7.4 UJ	7.5 UJ
Arsenic	ICP	0.2	1	5	2.5	4	1.1 J	1.2 J	1.5	3.5
Barium	ICP	0.094	20	31.3 J	63.9 J	94.1 J	9.8 J	26.8 J	22.1 J	15.2 J
Beryllium	ICP	0.013	0.5	R	0.75 UJ	0.77 UJ	0.08 J	0.62 UJ	0.62 UJ	0.15 J
Cadmium	ICP	0.013	0.5	0.16 J	0.36 J	0.68 J	0.69 U	0.62 U	0.62 U	0.62 U
Calcium	ICP	3.5	500	1640	3860	2490	1130	1000	847	974
Chromium	ICP	0.075	1	17.8 J	42.8 J	23.1 J	7	18.6	12.1	15.5
Cobalt	ICP	0.085	5	5 J	10.5 J	5.5 J	6.9 UJ	3.7 J	2.5 J	3.1 J
Copper	ICP	0.18	2.5	12.3 J	17.6 J	40.5 J	0.57 J	2.3 J	4.5	7.9
Iron	ICP	0.68	10	14600	25200	14700	920	10700	6410	9970
Lead	ICP	0.25	1	9.2 JEB	23.2 JEB	70.4 JEB	7.4 EB	3.3 EB	2.4 EB	2.3 EB
Magnesium	ICP	1.3	500	3440	8260	3800	694 UJ	3420	2190	2790
Manganese	ICP	0.017	1.5	199	307	191	16.3	113	78.8	108
Mercury	CV	0.003	0.1	0.007 J	0.15 UJ	0.047 J	0.043 J	0.12 U	0.12 U	0.12 U
Nickel	ICP	0.055	4	14.2	29.2	22.7	0.95 J	11.7	9.1	9.8
Potassium	ICP	8.9	500	1270 J	3370 J	2170 J	329 J	1330	583 J	1120
Selenium	ICP	0.29	3.5	5.3 U	5.2 U	5.4 U	4.9 UJ	4.4 UJ	4.3 UJ	4.4 UJ
Silver	ICP	0.083	1	1.5 U	1.5 U	1.5 U	1.4 UJ	R	R	R
Sodium	ICP	2.6	500	353 J	465 J	479 J	220 J	184 J	174 J	184 J
Thallium	ICP	0.15	2.5	3.8 U	3.7 U	3.8 U	3.5 U	3.1 U	3.1 U	3.1 U
Vanadium	ICP	0.11	5	24	45.1	20.9	4.7 J	18.9	11.1	20.9
Zinc	ICP	0.12	6	35.5	126	196	8.3 U	26.1	16.4	20.7
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/09/2010	11/09/2010	11/09/2010	11/15/2010	11/15/2010	11/15/2010	11/15/2010
			DATE DIGESTED	65.5	67.1	65.2	72.0	80.3	81.0	80.2

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* or **= Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

ATTACHMENT F- SEDIMENT SAMPLE ANALYTICAL RESULTS

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3T67; MA3T71
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3T81	MA3T82	MA3T83	MA3T84	MA3T85	MA3T86	MA3T87
			SAMPLE LOCATION	SD-15	SD-16	SD-17	SD-18	SD-19	SD-20	SD-21
			STATION LOCATION	LM-0133	LM-0134	LM-0135	LM-0136	LM-0137	LM-0138	LM-0139
			LABORATORY NUMBER	11356(S)	11357(S)	11358(S)	11359(S)	11131(S)	11132(S)	11133(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	7410	7400	9370	1670	7110	7740	7980
Antimony	ICP	0.27	6	11.1 UJ	7.1 UJ	11.5 UJ	13.1 UJ	10.4 UJ	10.8 UJ	10.6 UJ
Arsenic	ICP	0.2	1	5.1	2.9	7.2	2 J	7.4	7.8	2.7
Barium	ICP	0.094	20	26.1 J	23.6 J	35.1 J	11 J	27.9 J	31.1 J	27.1 J
Beryllium	ICP	0.013	0.5	0.075 J	0.59 UJ	0.16 J	1.1 UJ	0.86 UJ	0.9 UJ	0.88 UJ
Cadmium	ICP	0.013	0.5	0.93 U	0.59 U	0.96 U	1.1 U	0.12 J	0.12 J	0.075 J
Calcium	ICP	3.5	500	1860	2370	2290	2740	3170	2760	1360
Chromium	ICP	0.075	1	12.9	16.9	26.6	4.1	19.2 J	19.8 J	16.4 J
Cobalt	ICP	0.085	5	2.1 J	3 J	2.3 J	10.9 UJ	3.6 J	4.2 J	4.9 J
Copper	ICP	0.18	2.5	5.6	8.2 J	6.1 J	2.8 J	6.5 J	6.4 J	6.4 J
Iron	ICP	0.68	10	7510	11300	8260	1970	8230	9650	8890
Lead	ICP	0.25	1	9.1 EB	3.6 EB	6.1 EB	5.8 EB	5.5 JEB	4.3 JEB	2.4 JEB
Magnesium	ICP	1.3	500	1370	2890	2320	1090 UJ	2280	2570	2770
Manganese	ICP	0.017	1.5	100	126	163	27.5	122 EB	134 EB	119 EB
Mercury	CV	0.003	0.1	0.084 J	0.12 U	0.04 J	0.22 U	0.17 UJ	0.18 UJ	0.18 UJ
Nickel	ICP	0.055	4	6.7 J	12.3	10.1	2.5 J	9.4	10.6	11.1
Potassium	ICP	8.9	500	471 J	1260	829 J	1090 U	738 J	863 J	963 J
Selenium	ICP	0.29	3.5	6.5 UJ	4.1 UJ	0.71 J	7.6 UJ	6 U	6.3 U	6.2 U
Silver	ICP	0.083	1	0.4 J	R	0.65 J	2.2 UJ	1.7 U	1.8 U	1.8 U
Sodium	ICP	2.6	500	243 J	353 J	298 J	291 J	347 J	348 J	322 J
Thallium	ICP	0.15	2.5	4.6 U	3 U	4.8 U	5.4 U	4.3 U	4.5 U	4.4 U
Vanadium	ICP	0.11	5	14.1	14.7	13.9	4.3 J	15.7	16.1	17
Zinc	ICP	0.12	6	26.8	29.7	23.4	20.1	25.4	27.3	27.3
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/15/2010	11/15/2010	11/15/2010	11/15/2010	11/08/2010	11/08/2010	11/08/2010
			DATE DIGESTED	53.9	84.4	52.2	45.9	57.9	55.3	56.6

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* or **= Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3T67; MA3T71
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3T88	MA3T89	MA3T90	MA3T91	MA3T92	MA3T93	MA3T94
			SAMPLE LOCATION	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27	SD-28
			STATION LOCATION	LM-0140	LM-0141	LM-0142	LM-0143	LM-0144	LM-0145	LM-0146
			LABORATORY NUMBER	11134(S)	11135(S)	11360(S)	11136(S)	11137(S)	11138(S)	11361(S)
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	6870	16900	23600	10700	6380	7250	11200
Antimony	ICP	0.27	6	8.4 UJ	8.5 UJ	7.5 UJ	11.6 UJ	8.2 UJ	8.3 UJ	7.4 UJ
Arsenic	ICP	0.2	1	1.6	25.2	7.2	5.2	2.9	4.7	2.8
Barium	ICP	0.094	20	21.8 J	46.2 J	67.8 J	36.6 J	23 J	27.5 J	14.9 J
Beryllium	ICP	0.013	0.5	0.7 UJ	0.71 UJ	R	0.96 UJ	0.68 UJ	0.69 UJ	0.62 UJ
Cadmium	ICP	0.013	0.5	0.067 J	0.21 J	0.62 U	0.12 J	0.072 J	0.13 J	0.62 U
Calcium	ICP	3.5	500	1170	2210	703	2400	1450	1500	860
Chromium	ICP	0.075	1	13.7 J	30.1 J	35	20.4 J	12.9 J	14.2 J	15.4
Cobalt	ICP	0.085	5	4.3 J	8.6 J	18.2 J	5.7 J	3.8 J	4.1 J	2.8 J
Copper	ICP	0.18	2.5	5.7 J	8.6 J	21.7	8.7 J	4.7 J	5.5 J	3.3 J
Iron	ICP	0.68	10	8070	21500	28500	12400	7820	8920	10700
Lead	ICP	0.25	1	2.2 JEB	6.7 JEB	6.2 EB	4.7 JEB	2.7 JEB	3.9 JEB	4.1 EB
Magnesium	ICP	1.3	500	2520	5130	6950	3490	2310	2590	2800
Manganese	ICP	0.017	1.5	110 EB	235 EB	616	169 EB	132 EB	126 EB	96.3
Mercury	CV	0.003	0.1	0.0047 J	0.024 J	0.12 U	0.025 J	0.011 J	0.018 J	0.12 U
Nickel	ICP	0.055	4	9.1	19.3	30.9	14.3	8.5	9.5	9.8
Potassium	ICP	8.9	500	814 J	1410 J	3070	1300 J	777 J	801 J	940
Selenium	ICP	0.29	3.5	4.9 U	5 U	4.3 UJ	6.7 U	4.8 U	4.9 U	4.3 UJ
Silver	ICP	0.083	1	1.4 U	1.4 U	R	1.9 U	1.4 U	1.4 U	R
Sodium	ICP	2.6	500	263 J	330 J	R	379 J	277 J	267 J	181 J
Thallium	ICP	0.15	2.5	3.5 U	3.5 U	3.1 U	4.8 U	3.4 U	3.5 U	3.1 U
Vanadium	ICP	0.11	5	14.1	33.1	42.8	21.3	12.9	14.5	20.4
Zinc	ICP	0.12	6	25.5	44.8	50.6	38.1	23.9	29.2	18.4
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	1.0
			DATE SAMPLED	11/08/2010	11/08/2010	11/15/2010	11/08/2010	11/08/2010	11/08/2010	11/15/2010
			DATE DIGESTED	71.7	70.5	80.5	51.9	73.2	72.1	81.3

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* or **= Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

SITE: LEEDS METAL
CASE: 40791
SDGs: MA3T67; MA3T71
LABORATORY: TESTAMERICA

TABLE 3
TOTAL METALS
mg/Kg

			SAMPLE NUMBER	MA3T95	MA3T96	MA3T97	MA3T98	MA3T99	MA3TQ4	
			SAMPLE LOCATION	SD-29	SD-30	SD-31	SD-32	SD-33	SD-34	
			STATION LOCATION	LM-0147	LM-0148	LM-0149	LM-0150	LM-0151	LM-0296	
			LABORATORY NUMBER	11362(S)	11139(S)	11140(S)	11141(S)	11363(S)	11365(S)	
ANALYTES	METHOD	MDL	CRQL							
Aluminum	ICP	5.2	20	5490	11200	8400	12600	9920	9090	
Antimony	ICP	0.27	6	9.5 UJ	7.6 UJ	7.8 UJ	R	7.6 UJ	7.1 UJ	
Arsenic	ICP	0.2	1	1.2 J	6.9	2.9	6.3	2.6	14.5	
Barium	ICP	0.094	20	13.5 J	52.4 J	26.7 J	105 J	12.7 J	27.5 J	
Beryllium	ICP	0.013	0.5	0.79 UJ	0.63 UJ	0.65 UJ	0.66 UJ	0.63 UJ	0.59 UJ	
Cadmium	ICP	0.013	0.5	0.79 U	0.15 J	0.1 J	0.87	0.63 U	0.59 U	
Calcium	ICP	3.5	500	979	2140	1540	2810	832	1710	
Chromium	ICP	0.075	1	12.9	26.1 J	15.9 J	27.2 J	12.9	19.7	
Cobalt	ICP	0.085	5	0.92 J	8.6 J	4.4 J	8.2 J	2.2 J	5.5 J	
Copper	ICP	0.18	2.5	2.6 J	19.5 J	5.7 J	51.3	2.4 J	11.2 J	
Iron	ICP	0.68	10	4430	17400	9560	22000	9350	14500	
Lead	ICP	0.25	1	3.7 EB	14.2 JEB	4.6 JEB	89.1 JEB	3.5 EB	3.4 EB	
Magnesium	ICP	1.3	500	1470	4640	2840	5380	2370	3890	
Manganese	ICP	0.017	1.5	68.8	174	141	230	84.9	263	
Mercury	CV	0.003	0.1	0.16 U	0.022 J	0.023 J	0.08 J	0.13 U	0.12 U	
Nickel	ICP	0.055	4	5.2 J	25.2	10.2	30.1	8.2	14.6	
Potassium	ICP	8.9	500	511 J	2420 J	839 J	2210 J	828	2220	
Selenium	ICP	0.29	3.5	5.5 UJ	4.4 U	4.5 U	4.6 U	4.4 UJ	4.1 UJ	
Silver	ICP	0.083	1	0.29 J	1.3 U	1.3 U	1.3 U	R	R	
Sodium	ICP	2.6	500	203 J	343 J	294 J	389 J	180 J	244 J	
Thallium	ICP	0.15	2.5	4 U	3.2 U	3.2 U	3.3 U	3.2 U	3 U	
Vanadium	ICP	0.11	5	8.9	28.4	16.3	30	17.3	21.3	
Zinc	ICP	0.12	6	12.5	78.2	29	247	15.7	30.1	
			DILUTION FACTOR	1.0	1.0	1.0	1.0	1.0	1.0	
			DATE SAMPLED	11/15/2010	11/09/2010	11/09/2010	11/09/2010	11/15/2010	11/15/2010	
			DATE DIGESTED	63.2	78.8	77.2	76.3	78.8	84.7	

ANALYTICAL METHOD:
ICP - INDUCTIVELY COUPLED PLASMA
CV - COLD VAPOR ATOMIC ABSORPTION

NOTES:
mg/Kg = milligrams per Kilogram
MDL = Method Detection Limit
CRQL = Contract Required Quantitation Limit
* or **= Reported value is from diluted analysis.
All results are reported on a Dry Weight Basis.

Weston Solutions, Inc.
Northeast Division
3 Riverside Drive
Andover, Massachusetts 01810
978-552-2100 - Fax 978-689-2794

Restoring Resource Efficiency

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT EP-W-05-042

Superfund Records Center
SITE: LEEDS METAL
BREAK: 1.3
OTHER:

19 August 2011
20114-071-998-0547-70
DC No. A-6717

Ms. Nancy Smith
Site Assessment Manager
U.S. EPA Region I
5 Post Office Square
Suite 100 (OSRR07-2)
Boston, MA 02109-3912

Subject: Final Site Inspection Report
Leeds Metal
Leeds, Maine
CERCLIS No. MEN000103584
State ID No. REM00577
TDD No. 09-05-0004

Dear Ms. Smith:

Enclosed is one copy of the Final Site Inspection (SI) Report for the Leeds Metal property located in Leeds, Androscoggin County, Maine. The U.S. Environmental Protection Agency Region I, Office of Site Remediation and Restoration and Maine Department of Environmental Protection (ME DEP) comments regarding the contents of the Draft SI Report have been incorporated. Comments were received from the property owner's representative, after the allotted comment period. However, these comments have been addressed in the Final SI Report.

Upon receipt of the signed Internal Approval Form (yellow sheet), one electronic copy of the Final SI Report will be sent by Weston Solutions, Inc., Superfund Technical Assessment and Response Team III (START) to you under separate cover for distribution to Ms. Kathy Howatt of the ME DEP and one copy will be forwarded to you for distribution to the property owner. The Final SI Report was prepared in response to TDD No. 09-05-0004. Please contact the undersigned at (978) 552-2100 if you have any questions regarding this report.

Very truly yours,

WESTON SOLUTIONS, INC.
Region I START III

Gerald Hornok
Site Leader

John F. Kelly
Project Leader/Deputy Program Manager

GH:gh
Enclosure
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Weston Solutions, Inc.
[redacted]heast Division
3 Riverside Drive
Andover, Massachusetts 01810
978-552-2100 - Fax 978-689-2794

Restoring Resource Efficiency

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT EP-W-05-042

Su[redacted]nd Records Center
SI[redacted]: LEEDS METAL
BREAK: 1.3
OTHER:

19 August 2011
20114-071-998-0547-70
DC No. A-6717

Ms. Kathy Howatt
Maine Department of Environmental Protection
State House Station No. 7
Augusta, Maine 04333-0017

Subject: Final Site Inspection Report
Leeds Metal
Leeds, Maine
CERCLIS No. MEN000103584
State ID No. REM00577
TDD No. 09-05-0004

Dear Ms. Howatt:

Enclosed is one electronic copy of the Final Site Inspection (SI) Report for the Leeds Metal property located in Leeds, Androscoggin County, Maine. The U.S. Environmental Protection Agency Region I, Office of Site Remediation and Restoration and Maine Department of Environmental Protection (ME DEP) comments regarding the contents of the Draft SI Report have been incorporated. Comments were received from the property owner's representative, after the allotted comment period. However, these comments have been addressed in the Final SI Report.

Very truly yours,

WESTON SOLUTIONS, INC.
Region I START III

Gerald Hornok
Site Leader

John F. Kelly
Project Leader/Deputy Program Manager

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Enclosure

cc: N. Smith (EPA Site Assessment Manager) w/o enclosures

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