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March 2, 2017

Mr. David Chiusano
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, New York 12233-7017

Subject: **Surficial Debris Pile Characterization and Asbestos Containing Material Survey**
Batavia Iron and Metal (NYSDEC Site 819018)
MACTEC Engineering and Consulting, P.C., Project No. 3617137301

Dear Mr. Chiusano:

MACTEC Engineering and Consulting, P.C. (MACTEC), under contract to the New York State Department of Environmental Conservation (NYSDEC), is pleased to submit this report outlining results of the surficial debris pile sampling at the Batavia Iron and Metal Company, Inc., Site (Site). The work documented in this report was completed in accordance with the NYSDEC requirements in Work Assignment #D007619-25 under the Superfund Standby Contract between MACTEC and the NYSDEC.

OBJECTIVES

The purpose of the 2016 field-sampling program was to characterize surface waste materials and waste material within the on-Site debris piles in preparation for a future off-site disposal action under an Interim Remedial Measure (IRM). The ultimate goal of the IRM is to facilitate site access for subsequent pre-design investigation activities at the Site prior to implementation of the remedial action.

BACKGROUND

The Batavia Iron and Metal Company, Inc. Site (formerly Batavia Waste Material Co.) is located at 301 Bank Street in the City of Batavia, Genesee County, New York (Figure 1). The Site occupies an approximately 6.8 acres parcel; Figure 2 shows the Site boundary and bordering geographic features. The Site was formerly used to reclaim iron, metal, and wire materials for sale to recycling and manufacturing firms. In addition, the former Site owners reportedly conducted demolition work. Site topography generally slopes downward from north to south. A small portion of federal wetlands appears to be located in the northeast corner of the Site.

The majority of the Site is unpaved and consists of either gravel areas or overgrown vegetation. Site features leftover from historic metals salvage and demolition activities include an approximate 8,000 square foot main building, remnants of former structures, an empty above ground storage tank, and large amounts of surficial waste debris (i.e., concrete block, scrap metal, wood crates, rubber tires, propane tanks, steel drums, storage tanks, etc.) found throughout the Site.

PREVIOUS INVESTIGATIONS

Previous investigations to evaluate the extent of impact from Site contaminants were conducted at the Site between 2004 and 2010. Details of these investigations are discussed in the Site Investigation and Remedial Alternatives Report (SIR) prepared by GZA GeoEnvironmental (GZA) (GZA, 2012). Subsequent to the submittal of the SIR, a Record of Decision was issued (NYSDEC, 2013) which summarizes the results of GZA's investigation and identifies the selected remedy to address contaminated soil and groundwater at the Site.

In 2014, MACTEC subcontracted Lu Engineers (Lu) to visually characterize and quantify waste materials contained within on-Site debris piles. In October 2014, Lu identified twelve distinct debris piles containing a mixture of various materials, including concrete blocks, scrap metal, wood crates, rubber tires, propane tanks, steel drums, storage tanks, and various construction and demolition debris. The location, estimated volumes, and types of waste observed within each pile, including photographs, is included in the Waste Pile Characterization Report (Lu, 2014); locations of the piles are shown on Figure 2.

2016 FIELD ACTIVITIES AND FINDINGS

The 2016 field activities consisted of the following three primary tasks:

1) Characterize the non-asbestos contaminants present in the waste piles to collect the necessary data for a future IRM disposal action,
2) Characterize the asbestos contaminants present in the waste piles to collect the necessary data for a future IRM disposal action , and
3) Evaluate the surface soils on the adjacent town owned property to ascertain if polychlorinated biphenyls (PCBs) are present above the residential Soil Cleanup Objectives (SCOs).

Debris Pile Waste Characterization – Non-Asbestos Parameters

MACTEC collected soil samples from within on-Site debris piles to characterize waste materials for disposal during a future IRM. Samples were collected from within the twelve piles shown on Figure 2, and sampled according to the Sampling and Analytical Schedule provided in Table 1. Soil sample collection frequency was based on the volume estimate of the piles (Table 1) and conducted in accordance with Department of Environmental Remediation-10 Table 5.4(e)10 (NYSDEC, 2010).

Soil samples were collected by hand with disposable gloves. Sample locations and descriptions are included on the field data records (FDRs) included in Attachment 1. Discrete and composite samples were collected from each of the twelve debris pile shown on Figure 2. Following collection of discrete soil samples for toxicity characterization leaching procedure (TCLP) volatile organic compound (VOC) analysis by United States Environmental Protection Agency (USEPA) Methods 1311/8260, MACTEC's field representative prepared each composite sample by placing soil material from two to four discrete locations into an aluminum foil lined bowl and blending the material into a uniform mixture prior to placing in sample bottles. Composite samples were analyzed for TCLP semi-VOCs (Methods 1311/8270C), TCLP Metals (Methods 1311/6010B/7470), TCLP Pesticides (Methods 1311/8081B), TCLP Herbicides (Methods 1311/8151A), total PCBs (Method 8082), ignitability, corrosivity, and reactivity.

Laboratory analysis was performed by TestAmerica, under direct contract to the NYSDEC. Laboratory analytical results are presented in Attachment 2. In addition, total PCB concentrations for the composite samples from each pile are presented on Figure 2.

Asbestos-Containing Materials Survey and Sampling

MACTEC conducted the asbestos-containing materials (ACM) survey in general accordance with ASTM International E2356-04 *Standard Practice for Comprehensive Building Asbestos Surveys*. ASTM International E2356-04 meets the applicable requirements of current USEPA National Emission Standards for Hazardous Air Pollutants Standard 40 Code of Federal Regulations (CFR) 61, Subpart M (Asbestos), USEPA Asbestos Hazard Emergency Response Act Standard 40 CFR 763, Subpart E, and Occupational Safety and Health Administration asbestos survey and sampling regulations.

The ACM survey included visual inspection of the 12 debris piles to identify the presence and location of potential ACM in the debris piles. Based on the visual inspection, 43 samples were obtained from within (or near) piles 2, 7, 10, 11, and 12, where potential ACM was identified. In addition, possible ACM was identified and three additional samples were collected within the small cement block building located just north of the main site building.

Based on the survey and sampling, ACM (i.e., material containing greater than one percent asbestos) was identified within or near Pile 2 and Pile 7.

ACM was not confirmed for the samples collected within the cement block building.

The completed ACM Survey Report describing sampling procedures, sampling locations, and sample results is included in Attachment 3.

Polychlorinated Biphenyls (PCB) Surface Sampling and Analysis

The western portion of the Site abuts City of Batavia owned property (see Figure 2). To evaluate whether PCB contamination exists on the City property as a result of the debris piles that straddle the western boundary line, MACTEC collected seven surface soil samples (SS-39 to SS-46) just west of the Site boundary. Samples were collected along paths in the partially wooded area (Figure 2).

Discrete surface soil samples were collected by hand using disposable gloves. Sample type and locations are described on FDRs included in Attachment 1. Laboratory analysis was performed by TestAmerica, under direct contract to the NYSDEC. Laboratory analytical results are presented in Attachment 2. Surface soil sample locations and total PCB concentrations are presented on Figure

2. As indicated on Figure 2 and in Attachment 2, PCBs were detected on City property at concentrations greater than the Residential Use SCO of 1 milligram per kilogram.

Based on the detection of PCBs in off-Site soils, additional sampling to evaluate the extent of contamination was conducted by MACTEC in November 2016 at NYSDEC's request. A subsequent report presenting results of the additional sampling will incorporate sample results from SS-39 to SS-46, and will include a Data Usability Summary Report.

If you have questions or concerns, please feel free to call us at 207-775-5401.

Sincerely,

MACTEC Engineering and Consulting, P.C.

Charles R. Staples
Senior Scientist

Mark J. Stelmack, PE
Project Manager

cc: File

Enclosures:

Figure 1
Figure 2
Table 1
Attachment 1: Field Data Records
Attachment 2: Laboratory Analytical Results
Attachment 3: Asbestos Containing Material Survey

REFERENCES

GZA GeoEnvironmental, 2012. Site Investigation and Remedial Alternatives Report Batavia Iron and Metal Site 301-305 Bank Street Batavia New York. June 2012.

Lu Engineers, 2014. Batavia Iron and Metal Company, Inc., Site Waste Characterization Report; prepared for MACTEC Engineering and Consulting, P.C. October 2014.

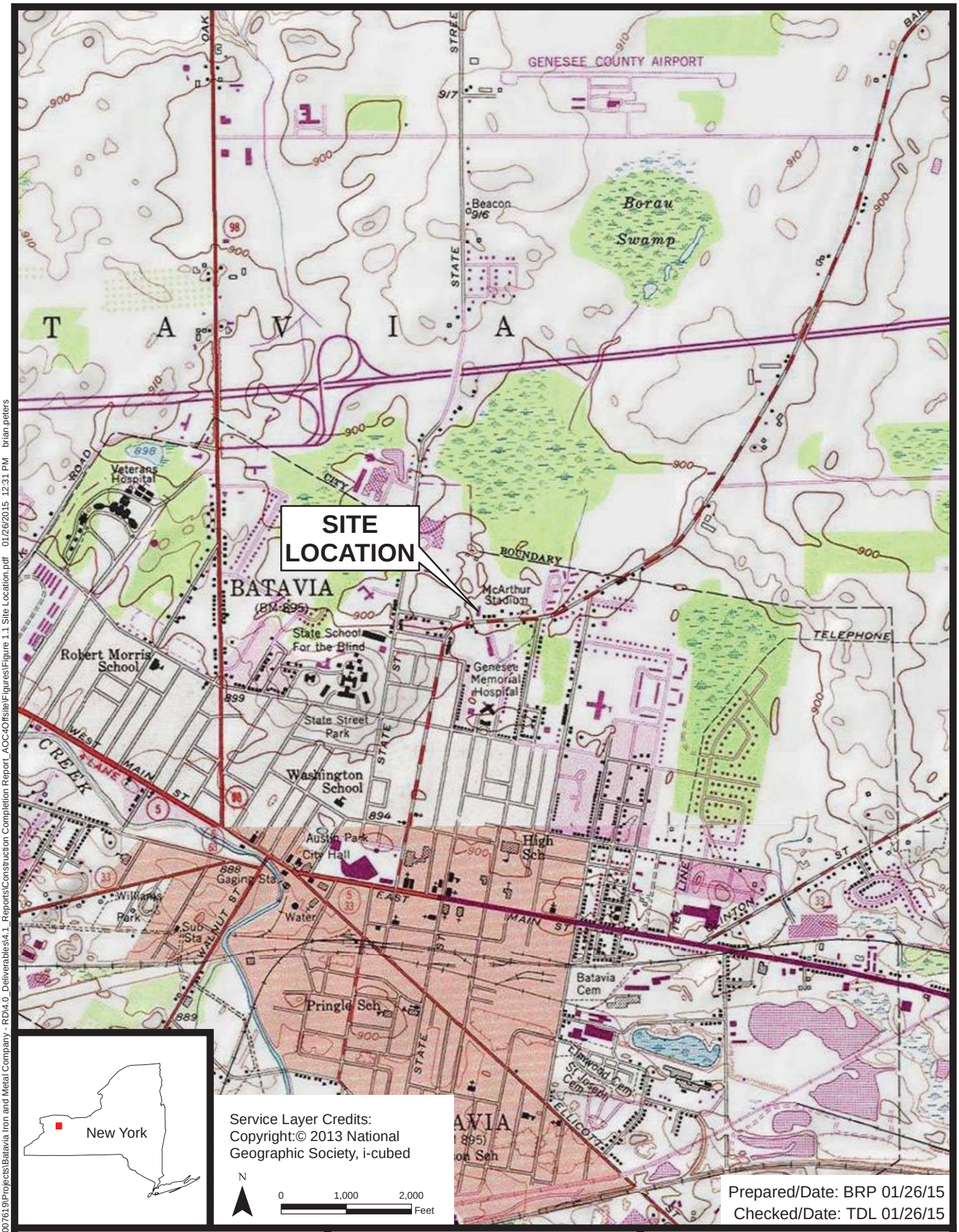
New York State Department of Environmental Conservation (NYSDEC), 2013. Record of Decision, Batavia Iron and Metal company, Inc., Batavia, Genesee County, New York, Site No. 819018. April 2013.

NYSDEC, 2010. DER-10, Technical Guidance for Site Investigation and Remediation. May 3, 2010.

LIST OF ACRONYMS

ACM	Asbestos-Containing Material
CFR	Code of Federal Regulations
FDR	Field Data Record
GZA	GZA GeoEnvironmental
IRM	Interim Remedial Measure
Lu	Lu Engineers
MACTEC	MACTEC Engineering & Consulting, P.C.
NYSDEC	New York State Department of Environmental Conservation
PCB	Polychlorinated Biphenyl
SCO	Soil Cleanup Objectives
SIR	Site Investigation and Remedial Alternatives Report
Site	Batavia Iron and Metal Company, Inc., Site
TCLP	Toxicity Characterization Leaching Procedure
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

FIGURES



Prepared/Date: BRP 01/26/15
Checked/Date: TDL 01/26/15

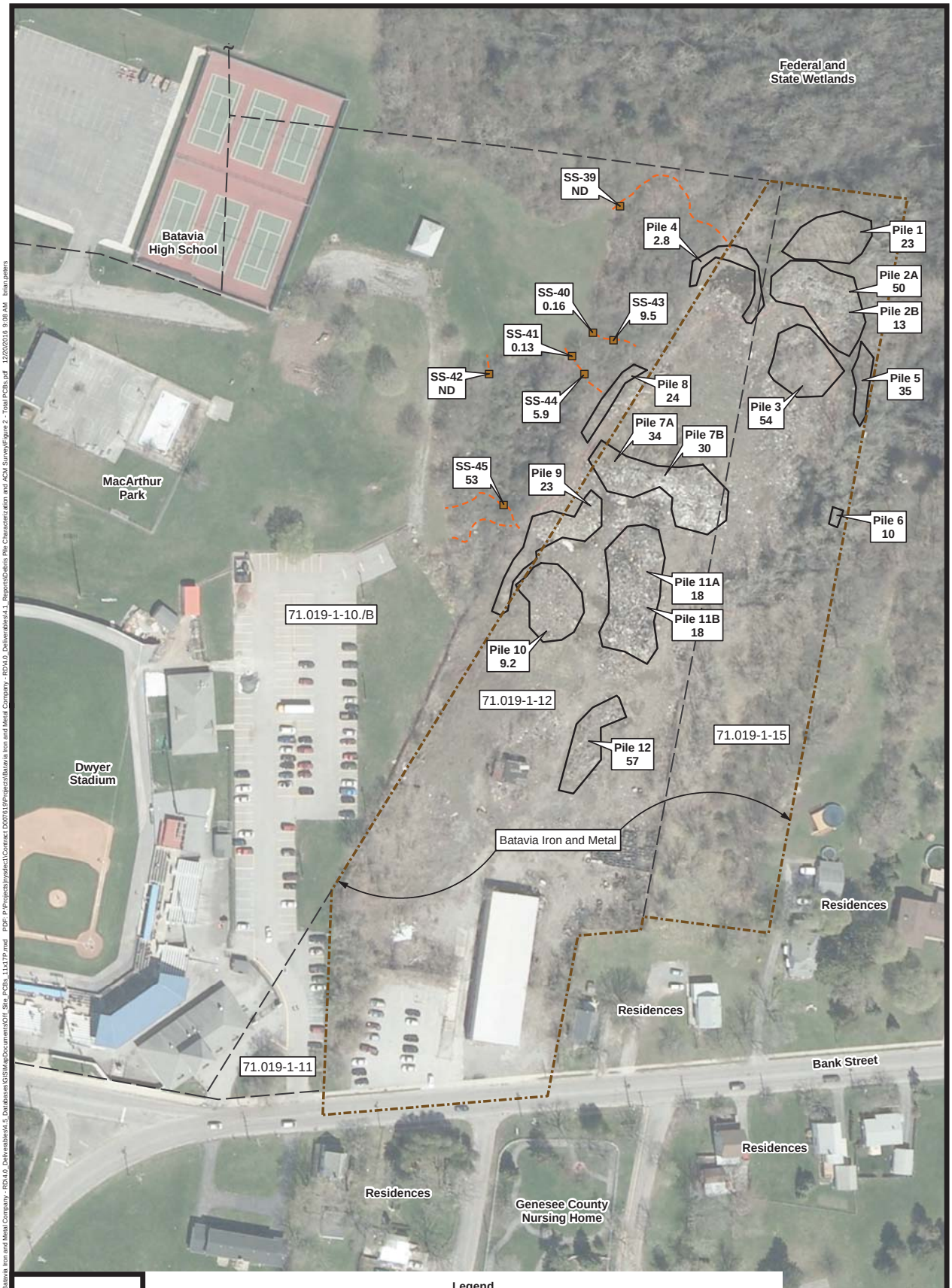
NYSDEC Site No. 819018
Batavia Iron and Metal Co.
Batavia, New York

MACTEC

Site Location

Project 3617137301 Figure 1

Document: P:\Projects
ysdec1\Contract D007619\Projects\Batavia Iron and Metal Company - RD\4.0_Deliverables\4.5_Databases\GIS\MapDocuments\Batavia_Site_Loc_8x11P.mxd PDF: P:\Projects
ysdec1\Contract D007619\Projects\Batavia Iron and Metal Company - RD\4.0_Deliverables\4.1_Reports\Construction Completion Report_AOC4Offsite\Figures\Figure 1.1 Site Location.pdf 01/26/2015 12:31 PM brian.peters



NYSDEC Site No. 819018
Batavia Iron and Metal
Batavia, New York

MACTEC

Total PCBs

Project 3617137301 Figure 2

TABLE

Table 1
Sampling and Analytical Schedule
Waste Pile Soil Characterization Samples

Pile Number	Pile Volume (cubic yards)	Number of Discrete Samples	Number of Composite Samples	Sample ID	Analysis QC Code	TCLP VOCs 1311/8260B	Composite Sample ID
Pile-01	190	3	1	819018SS001000XX	FS	X	819018WC001000XX
				819018SS002000XX	FS	X	
				819018SS003000XX	FS	X	
Pile-02	625	6	2	819018SS004000XX	FS	X	819018WC02A000XX
				819018SS005000XX	FS	X	
				819018SS006000XX	FS	X	
				819018SS007000XX	FS	X	819018WC02B000XX
				819018SS008000XX	FS	X	
				819018SS009000XX	FS	X	
Pile-03	215	4	1	819018SS010000XX	FS	X	819018WC003000XX
				819018SS011000XX	FS	X	
				819018SS012000XX	FS	X	
				819018SS013000XX	FS	X	
Pile-04	55	2	1	819018SS014000XX	FS	X	819018WC004000XX
				819018SS015000XX	FS	X	
Pile-05	53	2	1	819018SS016000XX	FS	X	819018WC005000XX
				819018SS017000XX	FS	X	
Pile-06	9	1	1	819018SS018000XX	FS	X	819018WC006000XX
Pile-07	480	5	2	819018SS019000XX	FS	X	819018WC07A000XX
				819018SS020000XX	FS	X	
				819018SS021000XX	FS	X	
				819018SS022000XX	FS	X	819018WC07B000XX
				819018SS023000XX	FS	X	
Pile-08	70	2	1	819018SS024000XX	FS	X	819018WC008000XX
				819018SS025000XX	FS	X	
Pile-09	120	3	1	819018SS026000XX	FS	X	819018WC009000XX
				819018SS027000XX	FS	X	
				819018SS028000XX	FS	X	
Pile-10	164	3	1	819018SS029000XX	FS	X	819018WC010000XX
				819018SS030000XX	FS	X	
				819018SS031000XX	FS	X	
Pile-11	460	5	2	819018SS032000XX	FS	X	819018WC11B000XX
				819018SS033000XX	FS	X	
				819018SS034000XX	FS	X	
				819018SS035000XX	FS	X	819018WC11A000XX
				819018SS036000XX	FS	X	
Pile-12	100	2	1	819018SS037000XX	FS	X	819018WC012000XX
				819018SS038000XX	FS	X	
				Total Analytical Samples by Method:		**38**	**15**

NOTES:
TCLP = Toxicity Characteristic Leaching Procedure
VOCs = Volatile organic compounds
Composite = analysis for TCLP semi-volatile organic compounds (Methods 1311/8270C), TCLP metals (Methods 1311/6010B/7470), TCLP Pesticides (Methods 1311/8081B), TCLP Herbicides (Methods 1311/8151A), Total polychlorinated biphenylss (Method 8082), ignitability, corrosivity, and reactivity.
QC Code = FS = Field Sample

ATTACHMENT 1

FIELD DATA RECORDS

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		Pile 01	07/20/16
PROJECT NUMBER		START TIME	END TIME
3617137301		0820	0840
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	PAGE
See below	See below	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [✓] DISCRETE
- [✓] COMPOSITE

SAMPLE INTERVAL:
- TOP 0
- BOTTOM 0.5

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [✓] ALUMINIUM PAN
- [✓] S.S. SHOVEL (not in contact)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [✓] OTHER Nitrile Gloves

DECON FLUIDS USED
- [ ] ALL USED
- [✓] LIQUINOX/DI H_2O SOLUTION
- [✓] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

QC SAMPLES
- [ ] DUPLICATE
- [ ] EQUIP. ~~BLANK~~

MS/MSD:
- [ ] YES
- [✓] NO

TYPE OF MATERIAL:
- [ ] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [✓] FILL
- [ ] OTHER

SAMPLE OBSERVATIONS
- ODOR N/A
- COLOR brown
- OTHER waste/fill
- PID

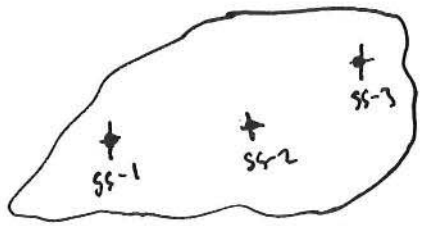
FIELD SKETCH SHOWN/ATTACHED
- [✓] YES
- [ ] NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCLP VOCs	1311/8260B	None	4 oz	Y	N	See below
	TCLP SVOCs	1311/8270C		32 oz			
	TCLP Metals	1311/6010B/7470					
	TCLP Pesticides	1311/8081B		4 oz			
	TCLP Herbicides	1311/8151A		8 oz			
	Total PCBs	8082'					
	Ignitability	1030'					
	Corrosivity	9045C					
	Reactivity	CII7					
	Reactive Sulfide, Cyanide, pH	9034, 9012, 9045D					

NOTES

Pile 01



N

SKETCH

Discrete: 819018SS001000XX (0830)

Discrete: 819018SS002000XX (0835)

Discrete: 819018SS003000XX (0845)

Composite: 819018WC001000XX (0840)

Discrete = VOCs only
Composite = all other parameter

Sampler Signature: [signature] Print Name: Dylan Farrell

Checked By: C. Stopler Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		Pile 02	07/20/16
PROJECT NUMBER		**START TIME**	**END TIME**
3617137301		0850	0940
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
see below	see below	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [x] COMPOSITE

QC SAMPLES
- [ ] DUPLICATE (crossed out, initialed)
- [ ] EQ BLK

MS/MSD:
- [ ] YES
- [x] NO

SAMPLE INTERVAL:
TOP: 0
BOTTOM: 0.5

TYPE OF MATERIAL:
- [ ] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [x] FILL
- [ ] OTHER

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [x] ALUMINIUM PAN
- [x] S.S. SHOVEL (not in contact)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER: Nitrile Glove

SAMPLE OBSERVATIONS
ODOR: NA
COLOR: Brown
OTHER: Fill
PID: NA

DECON FLUIDS USED
- [ ] ALL USED
- [x] LIQUINOX/DI H_2O SOLUTION
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

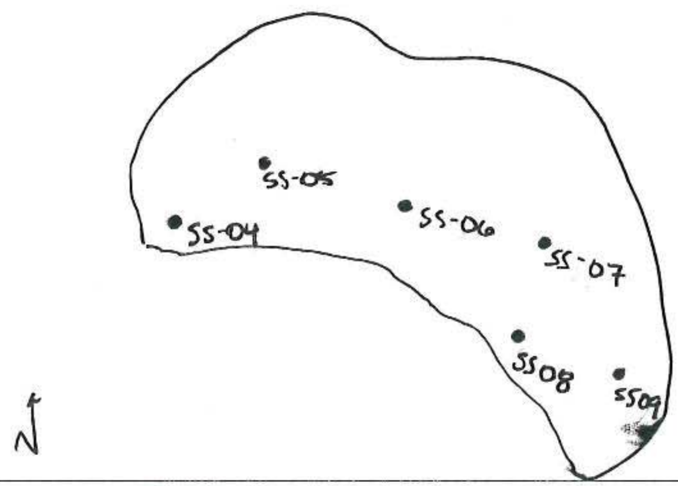
FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCLP VOCs	1311/8260B	None	4 oz	Y	N	see below
↓	TCLP SVOCs	1311/8270C	↓	32 oz	↓	↓	↓
↓	TCLP Metals	1311/6010B/7470	↓	↓	↓	↓	↓
↓	TCLP Pesticides	1311/8081B	↓	↓	↓	↓	↓
↓	TCLP Herbicides	1311/8151A	↓	↓	↓	↓	↓
↓	Total PCBs	8082'	↓	↓	↓	↓	↓
↓	Ignitability	1030'	↓	4 oz	↓	↓	↓
↓	Corrosivity	9045C	↓	8 oz	↓	↓	↓
↓	Reactivity	CH7	↓	↓	↓	↓	↓
✓	react. Sd., Cn, pH	9034, 9012, 9045D	↓	↓	↓	↓	↓

NOTES

Pile 02



SKETCH

Discrete: 81901855004000xx (0910)
Discrete: 81901855005000xx (0915)
Discrete: 81901855006000xx (0920)
Discrete: 81901855007000 xx (0925)
Discrete: 81901855008000 xx (0930)
Discrete: 81901855009000xx (0935)

Composite: ~~819018550~~
819018WC02A000XX (0900) ← SS-004, SS005, SS006

Composite: 819018WC02B000XX (0905) ← SS-007, SS008, SS009

Discrete = VOCs only
Composite = all other parameters

Sampler Signature: [signature]
Print Name: Dylan Farrell
Checked By: C. Stapler
Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME	
Batavia Iron and Metal	
PROJECT NUMBER	
3617137301	
SAMPLE ID	SAMPLE TIME
see below	see below

SAMPLE LOCATION	DATE
Pile 03	07/19/16
START TIME	END TIME
1555	1680
SITE NAME/NUMBER	PAGE
819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [x] COMPOSITE

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [x] ALUMINIUM PAN
- [x] S.S. SHOVEL (not in contact
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER Nitrile Glove

DECON FLUIDS USED
- [ ] ALL USED
- [x] LIQUINOX/DI H_2O SOLUTION
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

QC SAMPLES
- [ ] DUPLICATE 05
- [ ] EQ BLK

MS/MSD:
- [ ] YES
- [x] NO

TYPE OF MATERIAL:
- [ ] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [x] FILL (waste)
- [ ] OTHER

SAMPLE OBSERVATIONS
ODOR NA
COLOR Brown
OTHER Waste fill
PID NA

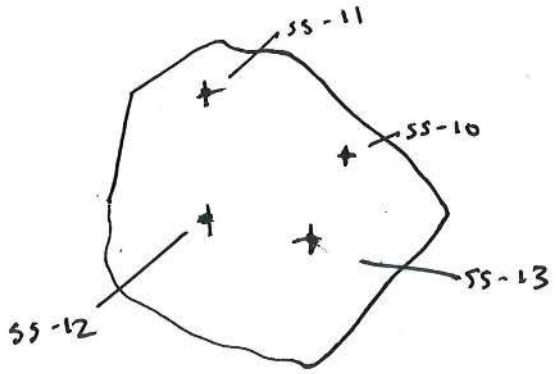
FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[x]	TCLP VOCs	1311/8260B	NONE	4 oz	Y	N	see below
	TCLP SVOCs	1311/8270C		32 oz			
	TCLP Metals	1311/6010B/7470					
	TCLP Pesticides	1311/8081B					
	TCLP Herbicides	1311/8151A					
	Total PCBs	8082'					
	Ignitability	1030'		4 oz			
	Corrosivity	9045C		8 oz			
	Reactivity	CH7					
[x]	Paint. Sol, Cn, pH	9034, 9012, 9045D					

NOTES

Pile 03



N

SKETCH

Discrete: 819018SS010000 XX (1605)
Discrete: 819018SS011000 XX (1610)
Discrete: 819018SS012000 XX (1615)
Discrete: 819018SS013000 XX (1620)

Composite: ~~81901855~~ (NF)
819018WC003000 XX (1625)

Discrete = VOCs only
Composite = all other parameters

Sampler Signature: [signature] Print Name: Dylan Farrell
Checked By: C. Staples Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		Pile 04	07/19/16
PROJECT NUMBER		START TIME	END TIME
3617137301		1640	1705
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	PAGE
See below	See below	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [x] COMPOSITE

QC SAMPLES
- [ ] DUPLICATE (DF)
- [ ] EQUIP BLK

MS/MSD:
- [ ] YES
- [x] NO

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

TYPE OF MATERIAL:
- [ ] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [x] FILL
- [ ] OTHER

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [x] ALUMINIUM PAN
- [x] S.S. SHOVEL (not in contact)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER Nitrile glove

SAMPLE OBSERVATIONS
ODOR NA
COLOR brown
OTHER waste fill
PID NA

DECON FLUIDS USED
- [ ] ALL USED
- [x] LIQUINOX/DI H_2O SOLUTION
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

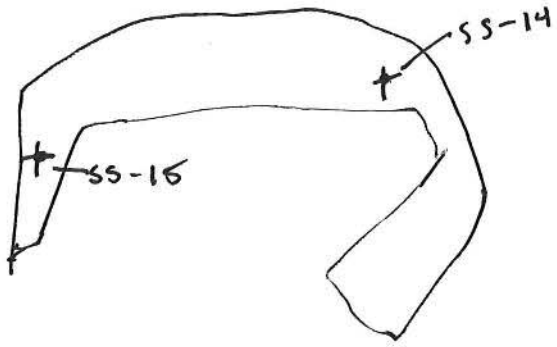
FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[x]	TCLP VOCs	1311/8260B	NONE	4 oz.	Y	N	See below
[ ]	TCLP SVOCs	1311/8270C		32 oz.			
[ ]	TCLP Metals	1311/6010B/7470					
[ ]	TCLP Pesticides	1311/8081B					
[ ]	TCLP Herbicides	1311/8151A					
[ ]	Total PCBs	8082'		4 oz			
[ ]	Ignitability	1030'		8 oz			
[ ]	Corrosivity	9045C					
[ ]	Reactivity	CH7					
[x]	Base Solv, Cn, pH	9034, 9012, 9045B					

NOTES

Pile 04



N

SKETCH

Discrete: 819018 SS014 000 xx (1650)

Discrete: 819018 SS015 000 xx (1655)

Composite: 819018 WC004 000 xx (1709)

discrete = VOCs
Composite = all other parameters

Sampler Signature: [signature] Print Name: Dylan Farrell

Checked By: C. Staples Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		Pile 05	07/19/16
PROJECT NUMBER		START TIME	END TIME
3617137301		1505	1550
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	PAGE
See below	See below	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [x] COMPOSITE

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [x] ALUMINIUM PAN
- [x] S.S. SHOVEL (not in contact)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER Nitrile glove

DECON FLUIDS USED
- [ ] ALL USED
- [x] LIQUINOX/DI H_2O SOLUTION
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

QC SAMPLES
- [ ] DUPLICATE
- [ ] EQ BLK

MS/MSD:
- [ ] YES
- [x] NO

TYPE OF MATERIAL:
- [ ] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [x] FILL
- [ ] OTHER

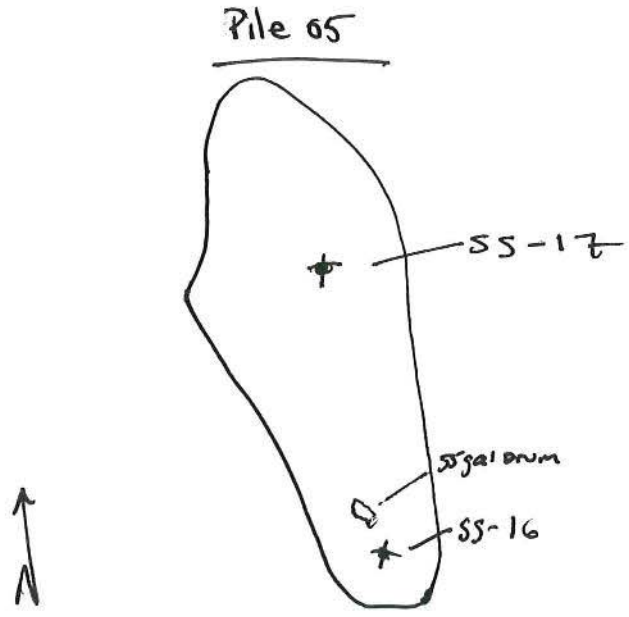
SAMPLE OBSERVATIONS
ODOR NA
COLOR Brown
OTHER Fill Waste
PID N/A

FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCLP VOCs	1311/8260B	None	4 oz	Y	N	See below
	TCLP SVOCs	1311/8270C		32 oz			
	TCLP Metals	1311/6010B/7470					
	TCLP Pesticides	1311/8081B					
	TCLP Herbicides	1311/8151A					
	Total PCBs	8082'		4oz			
	Ignitability	1030'		8oz			
	Corrosivity	9045C					
	Reactivity	CH7					
	Reser Sul, Cn, pH	9034, 9012, 9045D					

NOTES



SKETCH

Discrete: 8190185S016000XX (1525)

Discrete: 8190185S017000XX (1530)

Composite: 819018WC005000XX (1535)

Discrete = VOCs only

Composite = all other parameters

Sampler Signature:

Print Name: Dylan Farrell

Checked By: C. Stapler

Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

\\pld2-fs1\Project\Projects\nysdec1\Contract D007619\Projects\Batavia Iron and Metal Company - RD\3.0_Site_Data\3.2_Field_Notes\Surficial Debris Pile Characterization and ACM Survey\Surficial Debris Pile Characterization\Surface Soil FDR.xlsx

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		Pile 06	07/19/16
PROJECT NUMBER		START TIME	END TIME
3617137301		1230	1305
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	PAGE
See below	see below	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [x] COMPOSITE

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [x] S.S. SPLIT BARREL
- [x] ALUMINIUM PAN
- [x] S.S. SHOVEL (not in contact)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER nitrile glove

DECON FLUIDS USED
- [ ] ALL USED
- [x] LIQUINOX/DI H_2O SOLUTION
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

QC SAMPLES
- [ ] DUPLICATE ~~(0)~~
- [ ] EQ BLK

MS/MSD:
- [ ] YES
- [x] NO

TYPE OF MATERIAL:
- [x] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [x] FILL
- [ ] OTHER

SAMPLE OBSERVATIONS
ODOR ~~none~~ NA
COLOR brown/fill
OTHER Fill waste
PID NA

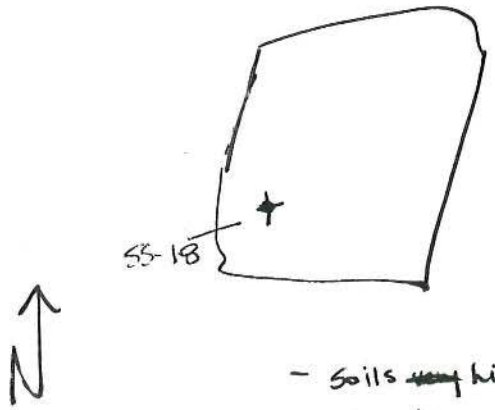
FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[x]	TCLP VOCs	1311/8260B	NONE	4 oz	Y	N	see below
[ ]	TCLP SVOCs	1311/8270C		32 oz			
[ ]	TCLP Metals	1311/6010B/7470					
[ ]	TCLP Pesticides	1311/8081B					
[ ]	TCLP Herbicides	1311/8151A					
[ ]	Total PCBs	8082'					
[ ]	Ignitability	1030'		4 oz.			
[ ]	Corrosivity	9045C		8 oz.			
[ ]	Reactivity	CH7					
[ ]	Reactive Sul, Cn, pH	9034, 9012, 9045D					

NOTES

Pile 06



- Soils ~~very~~ high in organic content

SKETCH

Discrete: 819018SS018000 XX\ (1250)

composite: 819018WC006000 XX (1255)

Discrete = VOC only
Composite = all other parameter

Sampler Signature:
Print Name: Dylan Farrell
Checked By: C. Stapler
Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		Pile 07	07/19/16
PROJECT NUMBER		START TIME	END TIME
3617137301		1310	1415
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	PAGE
see below	see below	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [x] COMPOSITE

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [x] ALUMINIUM PAN
- [x] S.S. SHOVEL (material contact)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [ ] OTHER

DECON FLUIDS USED
- [ ] ALL USED
- [x] LIQUINOX/DI H_2O SOLUTION
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

QC SAMPLES
- [ ] DUPLICATE ~~DUP~~
- [ ] EQ BLK ~~EQ~~

MS/MSD:
- [ ] YES
- [x] NO

TYPE OF MATERIAL:
- [ ] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [x] FILL
- [ ] OTHER

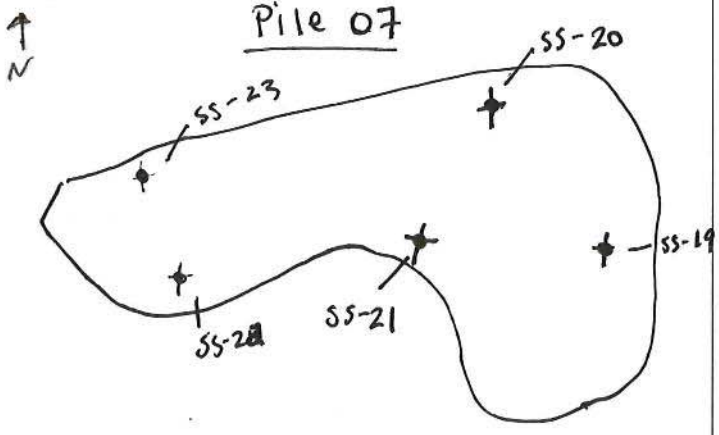
SAMPLE OBSERVATIONS
ODOR NA
COLOR brown/gray
OTHER Waste fill
PID NA

FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[x]	TCLP VOCs	1311/8260B	NONE	4 oz	Y	N	see below
	TCLP SVOCs	1311/8270C		32 oz			
	TCLP Metals	1311/6010B/7470					
	TCLP Pesticides	1311/8081B					
	TCLP Herbicides	1311/8151A					
	Total PCBs	8082'		4 oz			
	Ignitability	1030'		8 oz			
	Corrosivity	9045C					
	Reactivity	CH7					
[x]	Reactive Sul, Cn, pH	9034, 9012, 9045D					

NOTES



- Majority of pile is material, hard to find soils

SKETCH

Discrete: 819018SS019 000XX (1320)
Discrete: 819018SS020 000XX (1325)
Discrete: 819018SS021 000XX (1330)
Discrete: 819018SS022 000XX (1335)
Discrete: 819018SS023 000XX (1340)

Composite: 819018 ~~WC007~~ WC07A 000XX (1345) — SS-19, 20, 21

Composite: 819018WC07B 000XX (1350) SS-22, 23

Composite = VOC only
discrete = all other parameters

Sampler Signature: [signature] Print Name: Dylan Tarnell
Checked By: C. Stapler Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		Pile 08	07/19/16
PROJECT NUMBER		**START TIME**	**END TIME**
3617137301		1415	1500
SAMPLE ID	**SAMPLE TIME**	**SITE NAME/NUMBER**	**PAGE**
see below	see below	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [x] COMPOSITE

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [x] ALUMINIUM PAN
- [x] S.S. SHOVEL (not in contact)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER Nitrile Glove

DECON FLUIDS USED
- [ ] ALL USED
- [x] LIQUINOX/DI H_2O SOLUTION
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

QC SAMPLES
- [ ] DUPLICATE (DF)
- [ ] EQ BLK

TYPE OF MATERIAL:
- [ ] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [x] CLAY
- [x] FILL
- [ ] OTHER

MS/MSD:
- [ ] YES
- [x] NO

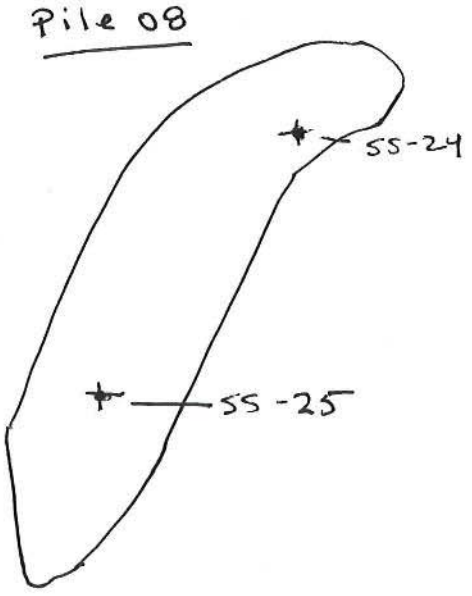
SAMPLE OBSERVATIONS
ODOR NA
COLOR Brown
OTHER Fill/waste
PID NR

FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[x]	TCLP VOCs	1311/8260B	none	4 oz	Y	[x]	see below
[ ]	TCLP SVOCs	1311/8270C		32 oz			
[ ]	TCLP Metals	1311/6010B/7470					
[ ]	TCLP Pesticides	1311/8081B					
[ ]	TCLP Herbicides	1311/8151A					
[ ]	Total PCBs	8082'		4 oz			
[ ]	Ignitability	1030'		8 oz			
[ ]	Corrosivity	9045C					
[ ]	Reactivity	CH7					
[x]	Reactive Sul, Cn, pH	9024, 9012, 9045D					

NOTES



SKETCH

Discrete: 819018SS024000XX (1430)

Discrete: 819018SS025000XX (1435)

composite: 819018WC008000XX (1440)

discrete = VOCs only
composite = all other parameters

Sampler Signature: [signature]
Print Name: Dylan Farrell
Checked By: C. Stapler
Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		Pile - 9	07/19/16
PROJECT NUMBER		START TIME	END TIME
3617137301		1130	1200
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	PAGE
See below	See below	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [x] COMPOSITE

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

QC SAMPLES
- [ ] DUPLICATE
- [ ] EQ BLK (01)

MS/MSD:
- [ ] YES
- [x] NO

TYPE OF MATERIAL:
- [ ] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [x] FILL
- [ ] OTHER

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [x] ALUMINIUM PAN
- [x] S.S. SHOVEL (not in contact)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER Nitrile Glove

DECON FLUIDS USED
- [ ] ALL USED
- [x] LIQUINOX/DI H_2O SOLUTION
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

SAMPLE OBSERVATIONS
ODOR NA
COLOR brown/iron stained
OTHER Fill (petroleum tank, transformer)
PID NA

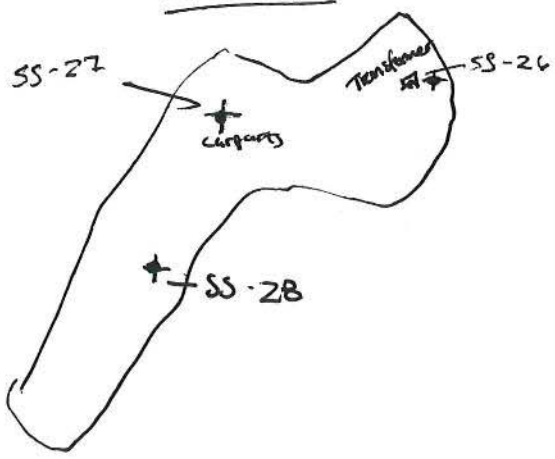
FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[x]	TCLP VOCs	1311/8260B	NONE	4 oz	Y	N	See below
[x]	TCLP SVOCs	1311/8270C		8 oz			
[x]	TCLP Metals	1311/6010B/7470					
[x]	TCLP Pesticides	1311/8081B					
[x]	TCLP Herbicides	1311/8151A					
[x]	Total PCBs	8082'					
[x]	Ignitability	1030'		4 oz			
[x]	Corrosivity	9045C		8 oz			
[x]	Reactivity	CH7					
[x]	Reactive Sulf., Cn, pH	9034, 9012, 9045D					

NOTES

Pile 9



SKETCH

Discrete: 819018SS026000xx (1140)

Discrete: 819018SS027000xx (1145)

Discrete: 819018SS028000xx (1150)

Composite: 819018WC009000xx (1155)

discrete = VOCs only
composite = all other parameters

Sampler Signature: [signature] Print Name: Ryan Farnell

Checked By: C. Stapler Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		Pile 10	07/19/11
PROJECT NUMBER		START TIME	END TIME
3617137301		1040	1125
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	PAGE
See below	See below	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [x] COMPOSITE

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [x] ALUMINIUM PAN
- [x] S.S. SHOVEL (not in contact)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER nitrile glove

DECON FLUIDS USED
- [ ] ALL USED
- [x] LIQUINOX/DI H_2O SOLUTION
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

QC SAMPLES
- [ ] DUPLICATE NOT
- [ ] EQ BLK

MS/MSD:
- [ ] YES
- [x] NO

TYPE OF MATERIAL:
- [ ] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [x] FILL
- [ ] OTHER

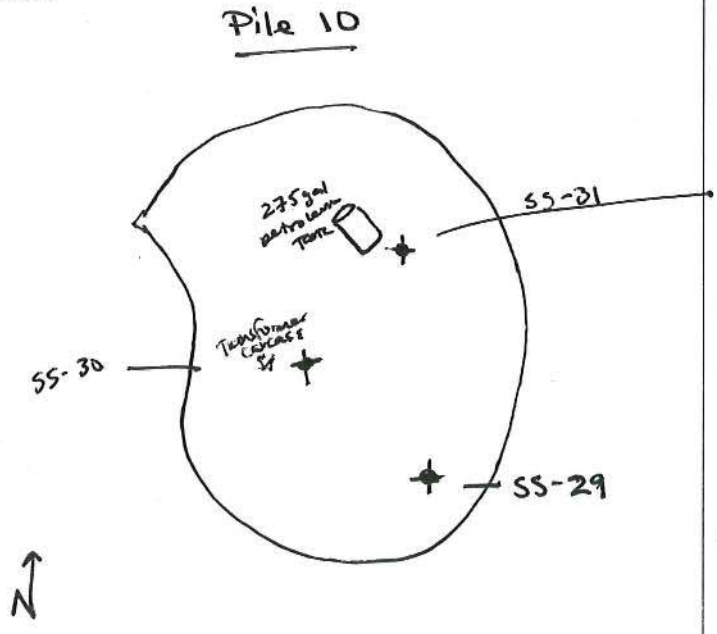
SAMPLE OBSERVATIONS
ODOR NA
COLOR Brown
OTHER Fill/waste
PID NA

FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[x]	TCLP VOCs	1311/8260B	None	4 oz	Y	N	See below
[ ]	TCLP SVOCs	1311/8270C		32 oz			
[ ]	TCLP Metals	1311/6010B/7470					
[ ]	TCLP Pesticides	1311/8081B					
[ ]	TCLP Herbicides	1311/8151A					
[ ]	Total PCBs	8082'		40z			
[ ]	Ignitability	1030'					
[ ]	Corrosivity	9045C		8oz			
[ ]	Reactivity	CH7					
[ ]	Reactive Sul, CN, pH	9034, 9012, 9045D					

NOTES



SKETCH

Discrete : 819018SS029 000XX (1105)

Discrete : 819018SS030 000 XX (1110)

Discrete : 819018SS031 000 XX (1115)

Composite : 819018WC010 000 XX (1120)

discrete = VOC only
composite = All other Parameters

Sampler Signature: [signature] Print Name: Dylan Farrell

Checked By: C. Stopka Date: 10/17/11

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		Pile 11	07/19/16
PROJECT NUMBER		START TIME	END TIME
3617137301		0925	1035
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	PAGE
See below	See below	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [x] COMPOSITE

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [x] ALUMINIUM PAN
- [x] S.S. SHOVEL (moisture content)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER Nitrile Gloves

DECON FLUIDS USED
- [ ] ALL USED
- [x] LIQUINOX/DI H_2O SOLUTION
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

QC SAMPLES
- [ ] DUPLICATE (or)
- [ ] EQ BLK

MS/MSD:
- [ ] YES
- [x] NO

TYPE OF MATERIAL:
- [ ] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [x] FILL
- [ ] OTHER

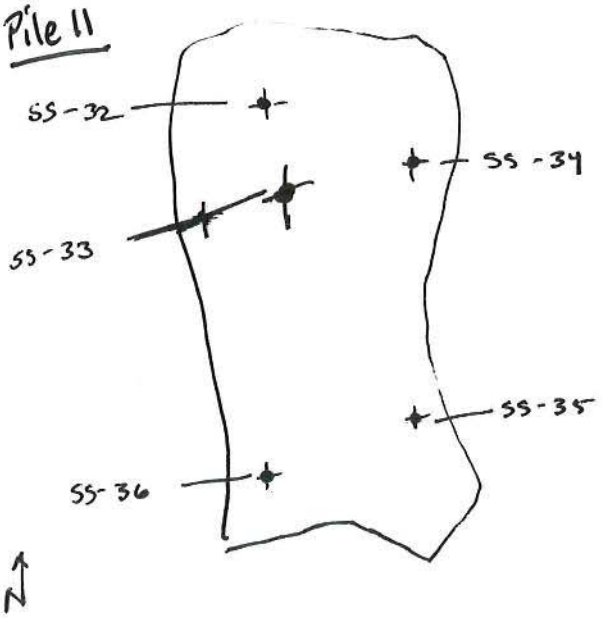
SAMPLE OBSERVATIONS
ODOR NA
COLOR Brown
OTHER Fill / waste
PID NA

FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCLP VOCs	1311/8260B	None	4 oz	Y	N	see below
	TCLP SVOCs	1311/8270C		32 oz			
	TCLP Metals	1311/6010B/7470					
	TCLP Pesticides	1311/8081B					
	TCLP Herbicides	1311/8151A					
	Total PCBs	8082'		4 oz			
	Ignitability	1030'		8 oz			
	Corrosivity	9045C					
	Reactivity	CH7					
	Reactive Sul, CN, pH	9034, 9012, 9045					

NOTES



SKETCH

Discrete: 819018SS032000XX (0940)
Discrete: 819018SS033000XX (0945)
Discrete: 819018SS034000XX (0950)
Discrete: 819018SS035000XX (0955)
Discrete: 819018SS036000XX (1000)

Discrete = VOCs only

Composite: ~~819018SS~~ 819018WC11A000XX (or) (1005) (SS-34, 35, 36)

Composite: 819018WC11B000XX (1010)

→ all other parameters (SS-32, 33)

Sampler Signature: [signature] Print Name: Dylan Tamel

Checked By: C. Staples Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		Pile 12	07/19/16
PROJECT NUMBER		START TIME	END TIME
3617137301		0800	0920
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	PAGE
See below	See below	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [x] COMPOSITE

QC SAMPLES
- [ ] DUPLICATE (DF)
- [ ] EQ BLK

MS/MSD:
- [ ] YES
- [x] NO

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

TYPE OF MATERIAL:
- [ ] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [x] FILL
- [ ] OTHER

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [x] ALUMINIUM PAN
- [x] S.S. SHOVEL (not in contact)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER Nitrile Glove

SAMPLE OBSERVATIONS
ODOR NA
COLOR Dark brown
OTHER Fill/Waste
PID NA

DECON FLUIDS USED
- [ ] ALL USED
- [x] LIQUINOX/DI H_2O SOLUTION
- [x] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

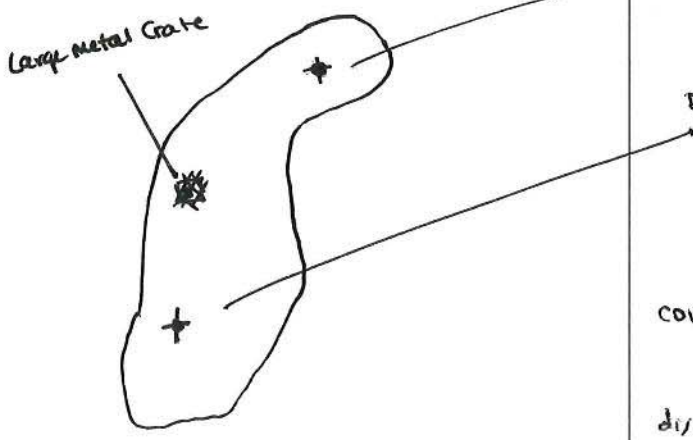
FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	TCLP VOCs	1311/8260B	None	4oz	y	N	see below
	TCLP SVOCs	1311/8270C	None	32oz			
	TCLP Metals	1311/6010B/7470					
	TCLP Pesticides	1311/8081B					
	TCLP Herbicides	1311/8151A					
	Total PCBs	8082'					
	Ignitability	1030'	None	4oz			
	Corrosivity	9045C	None	8oz			
	Reactivity	CH7					
	Reactive Sul, CN pH	9034, 9012, 9045D					

NOTES

Pile 12



SKETCH

Discrete:
8190185S037000XX (0855)
- Fill soil, plastics, scrap metal, ceramics

Discrete:
8190185S038000XX (0900)
- Fill soil, plastics, metals, about 1.5' from broken up plastic 55-gal drum

composite: 819018WC012000XX (0905)

discrete = VOCs only
composite = all other parameters

Sampler Signature:
Print Name: Dylan Farrell
Checked By: C. Staples
Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		PCB SS-039	07/20/16
PROJECT NUMBER		START TIME	END TIME
3617137301		0950	1005
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	PAGE
819018SS039000XX	1000	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [ ] COMPOSITE

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [ ] ALUMINIUM PAN
- [ ] S.S. SHOVEL
- [ ] HAND SPOON/SPATULA
- [x] S.S. BUCKET
- [ ] OTHER Nitrile Glove

DECON FLUIDS USED
- [ ] ALL USED
- [ ] LIQUINOX/DI H_2O SOLUTION
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

QC SAMPLES
- [ ] DUPLICATE
- [ ] EQ BLK

MS/MSD
- [ ] YES
- [ ] NO

TYPE OF MATERIAL:
- [x] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [x] FILL
- [ ] OTHER

SAMPLE OBSERVATIONS
ODOR NA
COLOR Dark Brown
OTHER Fill
PID NA

FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

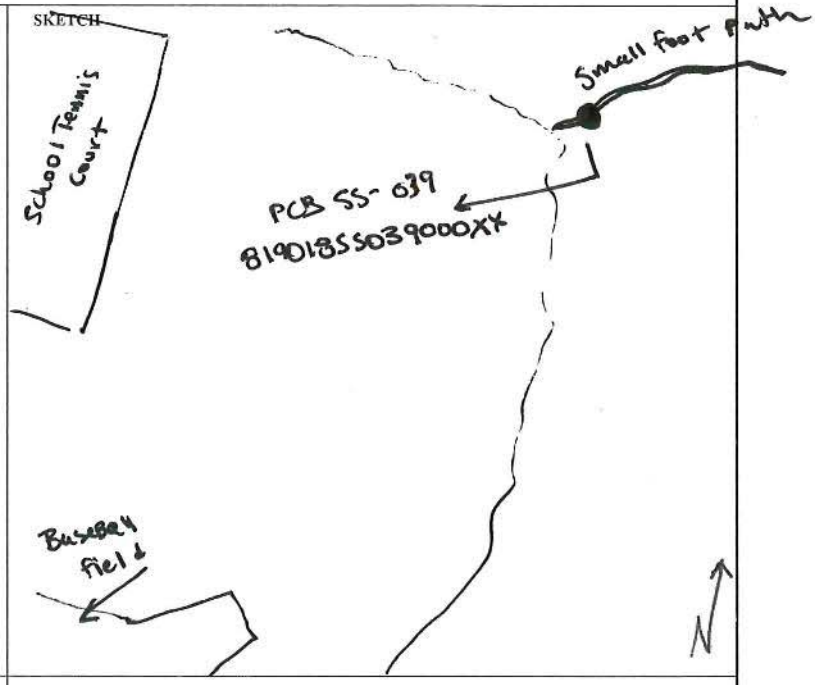
ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[ ]	TCLP VOCs	1311/8260B					
[ ]	TCLP SVOCs	1311/8270C					
[ ]	TCLP Metals	1311/6010B/7470					
[ ]	TCLP Pesticides	1311/8081B					
[ ]	TCLP Herbicides	1311/8151A					
[x]	Total PCBs	8082'	none	4 oz	yes	no	see below
[ ]	Ignitability	1030'					
[ ]	Corrosivity	9045C					
[ ]	Reactivity	CH7					
[ ]							

NOTES

- Collected sample about 5' in on foot path that leads to far northern portion of site, leads to vicinity of Pile-01

SKETCH



Sampler Signature:
Print Name: Taylor Powell
Checked By: C. Stapler
Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME	
Batavia Iron and Metal	
PROJECT NUMBER	
3617137301	
SAMPLE ID	SAMPLE TIME
819018SS04000XX	1005
819018SS04300XX	1020

SAMPLE LOCATION	DATE
PCB SS-02/SS-05 (40/43)	07/20/16
START TIME	END TIME
1005	1020
SITE NAME/NUMBER	PAGE
819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [ ] COMPOSITE

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

QC SAMPLES
- [ ] DUPLICATE (DF)
- [ ] EQ BLK

MS/MSD:
- [ ] YES
- [x] NO

TYPE OF MATERIAL:
- [x] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [x] CLAY
- [x] FILL
- [ ] OTHER

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [ ] ALUMINIUM PAN
- [ ] S.S. SHOVEL
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER Nitrile Glove

SAMPLE OBSERVATIONS
ODOR ~~Slight~~ NA
COLOR Brown
OTHER Fill
PID NA

DECON FLUIDS USED
- [ ] ALL USED
- [ ] LIQUINOX/DI H_2O SOLUTION
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE (10%)
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

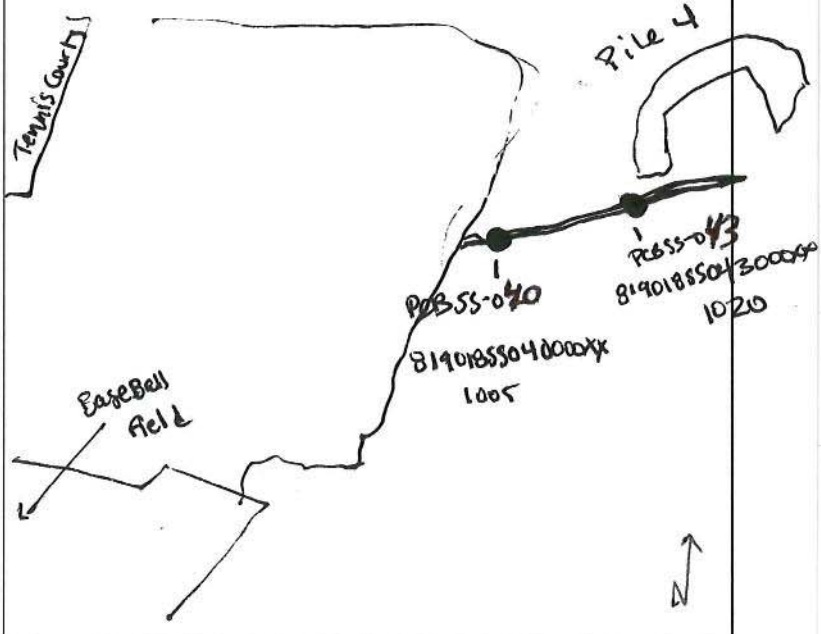
ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[ ]	TCLP VOCs	1311/8260B					
[ ]	TCLP SVOCs	1311/8270C					
[ ]	TCLP Metals	1311/6010B/7470					
[ ]	TCLP Pesticides	1311/8081B					
[ ]	TCLP Herbicides	1311/8151A					
[x]	Total PCBs	8082'	None	4 oz	yes	NO	see below
[ ]	Ignitability	1030'					
[ ]	Corrosivity	9045C					
[ ]	Reactivity	CH7					
[ ]							

NOTES

- collected 2 samples about 5' and 20' in respectively from grassy area, on a foot path leading to the area of Pile 04

SKETCH



Sampler Signature: [signature]
Print Name: Dylan Farrell
Checked By: C. Stapler
Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME	
Batavia Iron and Metal	
PROJECT NUMBER	
3617137301	
SAMPLE ID	SAMPLE TIME
~~8019~~ 819018SS041000XY	1010
819018SS044000XY	1025

SAMPLE LOCATION	DATE
PCB SS-~~05~~ 41/SS-04 44	09/20/16
START TIME	END TIME
1010	1025
SITE NAME/NUMBER	PAGE
819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [ ] COMPOSITE

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

QC SAMPLES
- [ ] DUPLICATE
- [ ] EQ BLK

MS/MSD:
- [ ] YES
- [x] NO

TYPE OF MATERIAL:
- [x] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [x] CLAY
- [x] FILL
- [ ] OTHER

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [ ] ALUMINIUM PAN
- [ ] S.S. SHOVEL
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER Nitrile Gloves

SAMPLE OBSERVATIONS
ODOR NA
COLOR Brown
OTHER Fill
PID NA

DECON FLUIDS USED
- [ ] ALL USED
- [ ] LIQUINOX/DI H2O SOLUTION
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE
- [ ] 25% METHANOL/75% ASTM TYPE II H2O
- [ ] ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

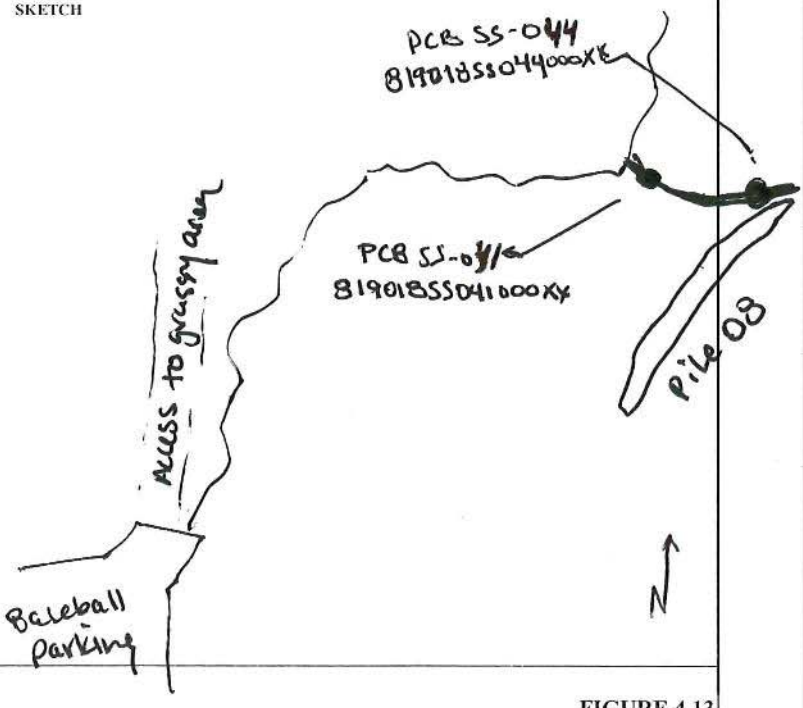
ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[ ]	TCLP VOCs	1311/8260B					
[ ]	TCLP SVOCs	1311/8270C					
[ ]	TCLP Metals	1311/6010B/7470					
[ ]	TCLP Pesticides	1311/8081B					
[ ]	TCLP Herbicides	1311/8151A					
[x]	Total PCBs	8082*	None	4 oz	yes	NO	see below
[ ]	Ignitability	1030*					
[ ]	Corrosivity	9045C					
[ ]	Reactivity	CII7					
[ ]							

NOTES

- collected 2 samples about 5' and 20' in from grassy area on a foot path that leads directly atop of Pile 08

SKETCH



Sampler Signature: [signature] Print Name: Dylan Farrell

Checked By: C. Stapler Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME		SAMPLE LOCATION	DATE
Batavia Iron and Metal		PCB SS-042	07/20/16
PROJECT NUMBER		START TIME	END TIME
3617137301		1010	1015
SAMPLE ID	SAMPLE TIME	SITE NAME/NUMBER	PAGE
819018SS042000XX	1015	819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [ ] COMPOSITE

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [ ] ALUMINUM PANS
- [ ] S.S. SHOVEL (DP)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER Nitrile Gloves

DECON FLUIDS USED
- [ ] ALL USED
- [ ] LIQUINOX/DI H_2O SOLUTION
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE (DP)
- [ ] 25% METHANOL/75% ASTM TYPE II H_2O
- [ ] ETHYL ALCOHOL

QC SAMPLES
- [ ] DUPLICATE
- [ ] EQUIP BLK (DP)

MS/MSD:
- [ ] YES
- [x] NO

TYPE OF MATERIAL:
- [x] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [x] CLAY
- [x] FILL
- [ ] OTHER

SAMPLE OBSERVATIONS
ODOR NA
COLOR Brown
OTHER Fill
PID NA

FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

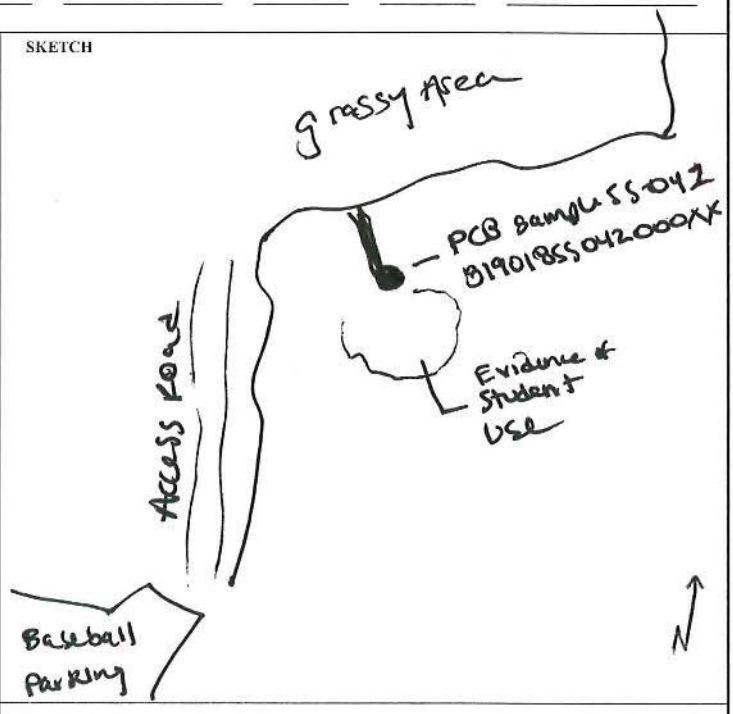
ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[ ]	TCLP VOCs	1311/8260B					
[ ]	TCLP SVOCs	1311/8270C					
[ ]	TCLP Metals	1311/6010B/7470					
[ ]	TCLP Pesticides	1311/8081B					
[ ]	TCLP Herbicides	1311/8151A					
[x]	Total PCBs	8082'	None	4 oz	yes	No	See below
[ ]	Ignitability	1030'					
[ ]	Corrosivity	9045C					
[ ]	Reactivity	CH7					
[ ]							

NOTES

- Sample collected in area of displaying evidence of multiple use by students (soda cans, cigarettes, graffiti) collected at end of foot path near seating area.

SKETCH



Sampler Signature: DJ
Print Name: Dylan Finnell
Checked By: C. Stapler
Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

SURFACE SOIL SAMPLING RECORD

MACTEC
511 Congress Street, Portland Maine 04101

PROJECT NAME	
Batavia Iron and Metal	
PROJECT NUMBER	
3617137301	
SAMPLE ID	SAMPLE TIME
819018SS045000XX	1030

SAMPLE LOCATION	DATE
PCB SS-045	07/20/16
START TIME	END TIME
1020	1030
SITE NAME/NUMBER	PAGE
819018	1 OF 1

SAMPLE INFORMATION

TYPE OF SAMPLE
- [x] DISCRETE
- [ ] COMPOSITE

QC SAMPLES
- [ ] DUPLICATE
- [ ] EQUIP (NP)

MS/MSD:
- [ ] YES
- [x] NO

SAMPLE INTERVAL:
TOP 0
BOTTOM 0.5

TYPE OF MATERIAL:
- [x] ORGANIC
- [ ] SAND
- [ ] GRAVEL
- [ ] CLAY
- [x] FILL
- [ ] OTHER

COLLECTION EQUIPMENT
- [ ] HAND AUGER/CORER
- [ ] S.S. SPLIT BARREL
- [ ] ALUMINIUM PAN
- [x] S.S. SHOVEL (NP)
- [ ] HAND SPOON/SPATULA
- [ ] S.S. BUCKET
- [x] OTHER nitrile Glove

SAMPLE OBSERVATIONS
ODOR NA
COLOR Brown
OTHER fill
PID NA

DECON FLUIDS USED
- [ ] ALL USED
- [ ] LIQUINOX/DI H2O SOLUTION
- [ ] DEIONIZED WATER
- [ ] POTABLE WATER
- [ ] NITRIC ACID
- [ ] HEXANE (NP)
- [ ] 25% METHANOL/75% ASTM TYPE II H2O
- [ ] ETHYL ALCOHOL

FIELD SKETCH SHOWN/ATTACHED
- [x] YES
- [ ] NO

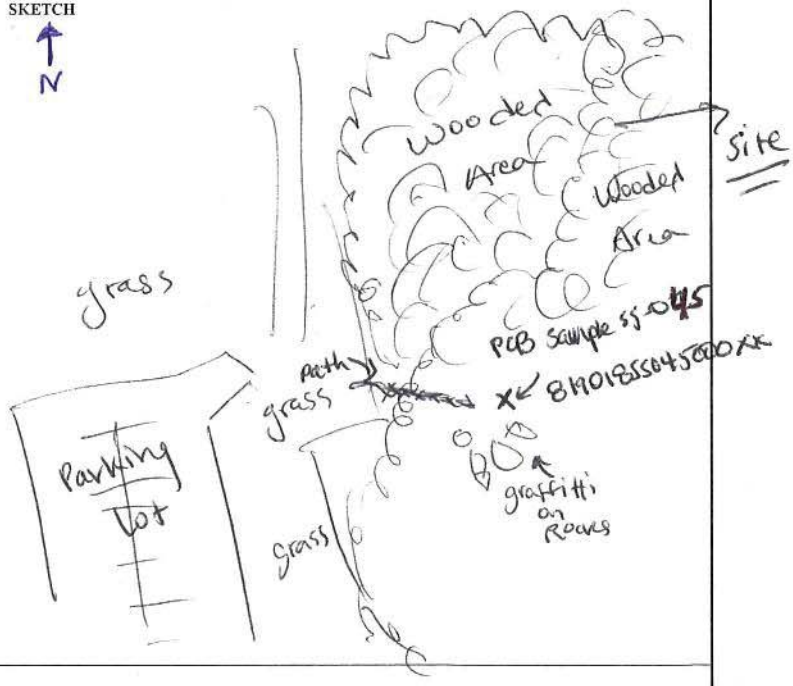
ANALYTICAL PARAMETERS

	PARAMETER	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	QC COLLECTED	SAMPLE BOTTLE ID NUMBERS
[ ]	TCLP VOCs	1311/8260B					
[ ]	TCLP SVOCs	1311/8270C					
[ ]	TCLP Metals	1311/6010B/7470					
[ ]	TCLP Pesticides	1311/8081B					
[ ]	TCLP Herbicides	1311/8151A					
[x]	Total PCBs	8082'	None	4oz	yes	NO	See below
[ ]	Ignitability	1030'					
[ ]	Corrosivity	9045C					
[ ]	Reactivity	CH7					
[ ]							

NOTES

- SAMPLE collected in area of use by trespassers (rubbish, graffiti). Collected in location of use, approximately 10' in on footpath

SKETCH



Sampler Signature:
Print Name: Dylan Farrell
Checked By: C. Staples
Date: 10/17/16

FIGURE 4.13
SURFACE SOIL SAMPLING RECORD
NYSDEC QUALITY ASSURANCE PROJECT PLAN

\\pld2-fs1\Project\Projects\nysdec1\Contract D007619\Projects\Batavia Iron and Metal Company - RD\3.0_Site_Data\3.2_Field_Notes\Debris Pile and ACM Survey\Surficial Debris Pile Characterization\Surface Soil FDR.xlsx

ATTACHMENT 2

LABORATORY ANALYTICAL RESULTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-103449-1
Client Project/Site: Batavia Iron & Metal #819018

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Mr. Dave Chiusano

Authorized for release by:
8/15/2016 9:35:20 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Orlette Johnson
Senior Project Manager
8/15/2016 9:35:20 AM

Table of Contents

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-103449-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-103449-1

Receipt
The samples were received on 7/21/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.8º C, 4.0º C, 4.2º C and 4.4º C. The TCLP VOC samples were frozen upon receipt per client requirements.

GC/MS VOA
Method(s) 8260C: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: TB-01 (480-103449-61). The samples were analyzed within 7 days per EPA recommendation.

Method(s) 8260C: The following samples were diluted due to the nature of the samples TCLP matrix: (LB 480-312930/1-A) and (LB 480-313371/1-A). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted due to the nature of the TCLP sample matrix: 819018SS001000XX (480-103449-1), 819018SS002000XX (480-103449-2), 819018SS003000XX (480-103449-3), 819018SS004000XX (480-103449-4), 819018SS005000XX (480-103449-5), 819018SS006000XX (480-103449-6), 819018SS007000XX (480-103449-7), 819018SS008000XX (480-103449-8), 819018SS009000XX (480-103449-9), 819018SS010000XX (480-103449-10), 819018SS011000XX (480-103449-11), (480-103449-A-11-A MS), (480-103449-A-11-A MSD), 819018SS012000XX (480-103449-12), 819018SS013000XX (480-103449-13), 819018SS014000XX (480-103449-14), 819018SS015000XX (480-103449-15), 819018SS016000XX (480-103449-16), 819018SS017000XX (480-103449-17), 819018SS018000XX (480-103449-18), 819018SS019000XX (480-103449-19), (LB 480-313150/1-A), (480-103449-A-12-A MS), (480-103449-A-12-A MSD, 819018SS020000XX (480-103449-20), 819018SS021000XX (480-103449-21), 819018SS022000XX (480-103449-22), 819018SS023000XX (480-103449-23), 819018SS024000XX (480-103449-24), 819018SS025000XX (480-103449-25), (480-103449-A-20-A MS), (480-103449-A-20-A MSD), 819018SS026000XX (480-103449-26), 819018SS027000XX (480-103449-27), 819018SS028000XX (480-103449-28), 819018SS029000XX (480-103449-29), 819018SS030000XX (480-103449-30), 819018SS031000XX (480-103449-31), 819018SS032000XX (480-103449-32), 819018SS033000XX (480-103449-33), 819018SS034000XX (480-103449-34), 819018SS035000XX (480-103449-35), 819018SS036000XX (480-103449-36), 819018SS037000XX (480-103449-37), 819018SS038000XX (480-103449-38), (480-103449-A-26-A MS) and (480-103449-A-26-A MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-314895 recovered outside acceptance criteria, low biased, for 2-Butanone (MEK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: 819018SS020000XX (480-103449-20), 819018SS021000XX (480-103449-21), 819018SS022000XX (480-103449-22), 819018SS023000XX (480-103449-23), 819018SS024000XX (480-103449-24) and 819018SS025000XX (480-103449-25) .

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-314890 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: 819018SS026000XX (480-103449-26), 819018SS027000XX (480-103449-27), 819018SS028000XX (480-103449-28), 819018SS029000XX (480-103449-29), 819018SS030000XX (480-103449-30), 819018SS031000XX (480-103449-31), 819018SS032000XX (480-103449-32), 819018SS033000XX (480-103449-33), 819018SS034000XX (480-103449-34), 819018SS035000XX (480-103449-35), 819018SS036000XX (480-103449-36), 819018SS037000XX (480-103449-37) and 819018SS038000XX (480-103449-38).

Method(s) 8260C: The extraction blank (LB 480-312930/1-A) is reported on a separate surrogate recovery form (form II) from its associated quality control samples (MB 480-313081/7) and (LCS 480-313081/5).

Method(s) 8260C: The extraction blank (LB 480-313371/1-A) is reported on a separate surrogate recovery form (form II) from its associated quality control samples (MB 480-314378/7) and (LCS 480-314378/5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Job ID: 480-103449-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8082A: The matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-312392 and analytical batch 480-312544 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8082A: The following samples were diluted due to an abundance of target analytes: 819018SS045000XX (480-103449-45), 819018WC02A000XX (480-103449-47), 819018WC003000XX (480-103449-49), 819018WC005000XX (480-103449-51), 819018WC11B000XX (480-103449-59) and 819018WC012000XX (480-103449-60). As such, surrogate recoveries are estimated and not representative, and elevated reporting limits (RLs) are provided.

Method(s) 8082A: The following samples were diluted to bring the concentration of target analytes within the calibration range: 819018SS043000XX (480-103449-43), 819018WC001000XX (480-103449-46), 819018WC02B000XX (480-103449-48), 819018WC006000XX (480-103449-52), 819018WC07A000XX (480-103449-53), 819018WC07B000XX (480-103449-54), 819018WC008000XX (480-103449-55), 819018WC009000XX (480-103449-56), 819018WC010000XX (480-103449-57), 819018WC11A000XX (480-103449-58), (480-103449-B-46-A MS) and (480-103449-B-46-B MS). Elevated reporting limits (RLs) are provided.

Method(s) 8151A: Surrogate recovery for the following sample was outside control limits: 819018WC07A000XX (480-103449-53). This is routine for TCLP herbicides, due to the pH effects created during the leaching process, inhibiting the herbicide derivatization of the free acid components.

Method(s) 8081B: All primary data for analytical batch 313156 is reported from the RTX-CLPI column.

Method(s) 8082A: All primary data for analytical batch 312544 is reported from the ZB-35 column.

Method(s) 8151A: All primary data for analytical batch 313259 is reported from the RTX-CLPI column.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 6010C: The post digestion spike % recovery for TCLP Silver, Arsenic and Selenium associated with batch 480-313342 was outside of control limits. The serial dilution was compliant, therefore, no corrective action was needed. (480-103449-A-50-F PD).

Method(s) 6010C: The post digestion spike % recovery for TCLP Silver associated with batch 480-313342 was outside of control limits. The serial dilution was compliant, therefore, no corrective action was needed. (480-103449-A-51-E PD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Method(s) 9045C, 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: 819018WC001000XX (480-103449-46), 819018WC02A000XX (480-103449-47), 819018WC02B000XX (480-103449-48), 819018WC003000XX (480-103449-49), 819018WC004000XX (480-103449-50), 819018WC005000XX (480-103449-51), 819018WC006000XX (480-103449-52), 819018WC07A000XX (480-103449-53), 819018WC07B000XX (480-103449-54), 819018WC008000XX (480-103449-55), 819018WC009000XX (480-103449-56), 819018WC010000XX (480-103449-57), 819018WC11A000XX (480-103449-58), 819018WC11B000XX (480-103449-59) and 819018WC012000XX (480-103449-60).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Client Sample ID: 819018SS001000XX
Lab Sample ID: 480-103449-1
Date Collected: 07/20/16 08:30
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/05/16 22:11	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/05/16 22:11	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/05/16 22:11	10
Chloroform	ND		0.010	0.0034	mg/L			08/05/16 22:11	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/05/16 22:11	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/05/16 22:11	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/05/16 22:11	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/05/16 22:11	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/05/16 22:11	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/05/16 22:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*08/05/16 22:11*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/05/16 22:11*	*10*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*08/05/16 22:11*	*10*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/05/16 22:11*	*10*

Client Sample ID: 819018SS002000XX
Lab Sample ID: 480-103449-2
Date Collected: 07/20/16 08:35
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/05/16 22:35	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/05/16 22:35	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/05/16 22:35	10
Chloroform	ND		0.010	0.0034	mg/L			08/05/16 22:35	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/05/16 22:35	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/05/16 22:35	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/05/16 22:35	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/05/16 22:35	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/05/16 22:35	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/05/16 22:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*08/05/16 22:35*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/05/16 22:35*	*10*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*08/05/16 22:35*	*10*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*08/05/16 22:35*	*10*

Client Sample ID: 819018SS003000XX
Lab Sample ID: 480-103449-3
Date Collected: 07/20/16 08:45
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/05/16 22:59	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/05/16 22:59	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/05/16 22:59	10
Chloroform	ND		0.010	0.0034	mg/L			08/05/16 22:59	10

Client Sample ID: 819018SS003000XX

Lab Sample ID: 480-103449-3
Date Collected: 07/20/16 08:45
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/05/16 22:59	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/05/16 22:59	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/05/16 22:59	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/05/16 22:59	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/05/16 22:59	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/05/16 22:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*08/05/16 22:59*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/05/16 22:59*	*10*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*08/05/16 22:59*	*10*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*08/05/16 22:59*	*10*

Client Sample ID: 819018SS004000XX

Lab Sample ID: 480-103449-4
Date Collected: 07/20/16 09:10
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/05/16 23:23	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/05/16 23:23	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/05/16 23:23	10
Chloroform	ND		0.010	0.0034	mg/L			08/05/16 23:23	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/05/16 23:23	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/05/16 23:23	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/05/16 23:23	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/05/16 23:23	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/05/16 23:23	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/05/16 23:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*08/05/16 23:23*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/05/16 23:23*	*10*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*08/05/16 23:23*	*10*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*08/05/16 23:23*	*10*

Client Sample ID: 819018SS005000XX

Lab Sample ID: 480-103449-5
Date Collected: 07/20/16 09:15
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/05/16 23:47	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/05/16 23:47	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/05/16 23:47	10
Chloroform	ND		0.010	0.0034	mg/L			08/05/16 23:47	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/05/16 23:47	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/05/16 23:47	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/05/16 23:47	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/05/16 23:47	10

Client Sample ID: 819018SS005000XX

Lab Sample ID: 480-103449-5

Date Collected: 07/20/16 09:15

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.010	0.0046	mg/L			08/05/16 23:47	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/05/16 23:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*08/05/16 23:47*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/05/16 23:47*	*10*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*08/05/16 23:47*	*10*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*08/05/16 23:47*	*10*

Client Sample ID: 819018SS006000XX

Lab Sample ID: 480-103449-6

Date Collected: 07/20/16 09:20

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 00:11	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 00:11	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 00:11	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 00:11	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 00:11	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 00:11	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 00:11	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 00:11	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 00:11	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 00:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*08/06/16 00:11*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/06/16 00:11*	*10*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*08/06/16 00:11*	*10*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*08/06/16 00:11*	*10*

Client Sample ID: 819018SS007000XX

Lab Sample ID: 480-103449-7

Date Collected: 07/20/16 09:25

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 00:34	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 00:34	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 00:34	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 00:34	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 00:34	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 00:34	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 00:34	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 00:34	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 00:34	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 00:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/06/16 00:34*	*10*

Client Sample ID: 819018SS007000XX

Lab Sample ID: 480-103449-7

Date Collected: 07/20/16 09:25

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/06/16 00:34*	*10*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*08/06/16 00:34*	*10*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*08/06/16 00:34*	*10*

Client Sample ID: 819018SS008000XX

Lab Sample ID: 480-103449-8

Date Collected: 07/20/16 09:30

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 00:58	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 00:58	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 00:58	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 00:58	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 00:58	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 00:58	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 00:58	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 00:58	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 00:58	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 00:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*08/06/16 00:58*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/06/16 00:58*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*08/06/16 00:58*	*10*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*08/06/16 00:58*	*10*

Client Sample ID: 819018SS009000XX

Lab Sample ID: 480-103449-9

Date Collected: 07/20/16 09:35

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 01:22	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 01:22	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 01:22	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 01:22	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 01:22	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 01:22	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 01:22	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 01:22	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 01:22	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 01:22	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*08/06/16 01:22*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/06/16 01:22*	*10*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*08/06/16 01:22*	*10*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*08/06/16 01:22*	*10*

Client Sample ID: 819018SS010000XX

Lab Sample ID: 480-103449-10
Date Collected: 07/19/16 16:05
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 01:45	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 01:45	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 01:45	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 01:45	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 01:45	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 01:45	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 01:45	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 01:45	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 01:45	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 01:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/06/16 01:45*	*10*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/06/16 01:45*	*10*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*08/06/16 01:45*	*10*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/06/16 01:45*	*10*

Client Sample ID: 819018SS011000XX

Lab Sample ID: 480-103449-11
Date Collected: 07/19/16 16:10
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 02:09	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 02:09	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 02:09	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 02:09	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 02:09	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 02:09	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 02:09	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 02:09	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 02:09	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 02:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*08/06/16 02:09*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/06/16 02:09*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*08/06/16 02:09*	*10*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/06/16 02:09*	*10*

Client Sample ID: 819018SS012000XX

Lab Sample ID: 480-103449-12
Date Collected: 07/19/16 16:15
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 00:08	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 00:08	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 00:08	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 00:08	10

Client Sample ID: 819018SS012000XX

Lab Sample ID: 480-103449-12
Date Collected: 07/19/16 16:15
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 00:08	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 00:08	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 00:08	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 00:08	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 00:08	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 00:08	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*08/06/16 00:08*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/06/16 00:08*	*10*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*08/06/16 00:08*	*10*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*08/06/16 00:08*	*10*

Client Sample ID: 819018SS013000XX

Lab Sample ID: 480-103449-13
Date Collected: 07/19/16 16:20
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 00:32	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 00:32	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 00:32	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 00:32	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 00:32	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 00:32	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 00:32	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 00:32	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 00:32	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 00:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*08/06/16 00:32*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/06/16 00:32*	*10*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*08/06/16 00:32*	*10*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*08/06/16 00:32*	*10*

Client Sample ID: 819018SS014000XX

Lab Sample ID: 480-103449-14
Date Collected: 07/19/16 16:50
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 00:55	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 00:55	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 00:55	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 00:55	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 00:55	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 00:55	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 00:55	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 00:55	10

Client Sample ID: 819018SS014000XX

Lab Sample ID: 480-103449-14

Date Collected: 07/19/16 16:50

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 00:55	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 00:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/06/16 00:55*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/06/16 00:55*	*10*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*08/06/16 00:55*	*10*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*08/06/16 00:55*	*10*

Client Sample ID: 819018SS015000XX

Lab Sample ID: 480-103449-15

Date Collected: 07/19/16 16:55

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 01:18	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 01:18	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 01:18	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 01:18	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 01:18	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 01:18	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 01:18	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 01:18	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 01:18	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 01:18	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*08/06/16 01:18*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/06/16 01:18*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*08/06/16 01:18*	*10*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*08/06/16 01:18*	*10*

Client Sample ID: 819018SS016000XX

Lab Sample ID: 480-103449-16

Date Collected: 07/19/16 15:25

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 01:41	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 01:41	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 01:41	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 01:41	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 01:41	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 01:41	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 01:41	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 01:41	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 01:41	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 01:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*08/06/16 01:41*	*10*

Client Sample ID: 819018SS016000XX
Lab Sample ID: 480-103449-16
Date Collected: 07/19/16 15:25
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/06/16 01:41*	*10*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*08/06/16 01:41*	*10*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*08/06/16 01:41*	*10*

Client Sample ID: 819018SS017000XX
Lab Sample ID: 480-103449-17
Date Collected: 07/19/16 15:30
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 02:04	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 02:04	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 02:04	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 02:04	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 02:04	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 02:04	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 02:04	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 02:04	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 02:04	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 02:04	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*08/06/16 02:04*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/06/16 02:04*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*08/06/16 02:04*	*10*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*08/06/16 02:04*	*10*

Client Sample ID: 819018SS018000XX
Lab Sample ID: 480-103449-18
Date Collected: 07/19/16 12:50
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 02:27	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 02:27	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 02:27	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 02:27	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 02:27	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 02:27	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 02:27	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 02:27	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 02:27	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 02:27	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*08/06/16 02:27*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/06/16 02:27*	*10*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*08/06/16 02:27*	*10*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/06/16 02:27*	*10*

Client Sample ID: 819018SS019000XX

Lab Sample ID: 480-103449-19

Date Collected: 07/19/16 13:20

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/06/16 02:50	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/06/16 02:50	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/06/16 02:50	10
Chloroform	ND		0.010	0.0034	mg/L			08/06/16 02:50	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/06/16 02:50	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/06/16 02:50	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/06/16 02:50	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/06/16 02:50	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/06/16 02:50	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/06/16 02:50	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/06/16 02:50*	*10*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/06/16 02:50*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*08/06/16 02:50*	*10*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*08/06/16 02:50*	*10*

Client Sample ID: 819018SS020000XX

Lab Sample ID: 480-103449-20

Date Collected: 07/19/16 13:25

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 16:10	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 16:10	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 16:10	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 16:10	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 16:10	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 16:10	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 16:10	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 16:10	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 16:10	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 16:10	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*08/08/16 16:10*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/08/16 16:10*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*08/08/16 16:10*	*10*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*08/08/16 16:10*	*10*

Client Sample ID: 819018SS021000XX

Lab Sample ID: 480-103449-21

Date Collected: 07/19/16 13:30

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 16:34	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 16:34	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 16:34	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 16:34	10

Client Sample ID: 819018SS021000XX

Lab Sample ID: 480-103449-21
Date Collected: 07/19/16 13:30
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 16:34	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 16:34	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 16:34	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 16:34	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 16:34	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 16:34	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*08/08/16 16:34*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/08/16 16:34*	*10*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*08/08/16 16:34*	*10*
Dibromofluoromethane (Surr)	*121*		*75 - 123*		*08/08/16 16:34*	*10*

Client Sample ID: 819018SS022000XX

Lab Sample ID: 480-103449-22
Date Collected: 07/19/16 13:35
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 16:57	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 16:57	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 16:57	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 16:57	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 16:57	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 16:57	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 16:57	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 16:57	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 16:57	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 16:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*08/08/16 16:57*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/08/16 16:57*	*10*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*08/08/16 16:57*	*10*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*08/08/16 16:57*	*10*

Client Sample ID: 819018SS023000XX

Lab Sample ID: 480-103449-23
Date Collected: 07/19/16 13:40
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 17:20	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 17:20	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 17:20	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 17:20	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 17:20	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 17:20	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 17:20	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 17:20	10

Client Sample ID: 819018SS023000XX

Lab Sample ID: 480-103449-23

Date Collected: 07/19/16 13:40

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 17:20	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 17:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*08/08/16 17:20*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/08/16 17:20*	*10*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*08/08/16 17:20*	*10*
Dibromofluoromethane (Surr)	*119*		*75 - 123*		*08/08/16 17:20*	*10*

Client Sample ID: 819018SS024000XX

Lab Sample ID: 480-103449-24

Date Collected: 07/19/16 14:30

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 17:44	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 17:44	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 17:44	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 17:44	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 17:44	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 17:44	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 17:44	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 17:44	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 17:44	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 17:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*08/08/16 17:44*	*10*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/08/16 17:44*	*10*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*08/08/16 17:44*	*10*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*08/08/16 17:44*	*10*

Client Sample ID: 819018SS025000XX

Lab Sample ID: 480-103449-25

Date Collected: 07/19/16 14:35

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 18:07	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 18:07	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 18:07	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 18:07	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 18:07	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 18:07	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 18:07	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 18:07	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 18:07	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 18:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*08/08/16 18:07*	*10*

Client Sample ID: 819018SS025000XX

Lab Sample ID: 480-103449-25

Date Collected: 07/19/16 14:35

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/08/16 18:07*	*10*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*08/08/16 18:07*	*10*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*08/08/16 18:07*	*10*

Client Sample ID: 819018SS026000XX

Lab Sample ID: 480-103449-26

Date Collected: 07/19/16 11:40

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 14:49	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 14:49	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 14:49	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 14:49	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 14:49	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 14:49	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 14:49	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 14:49	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 14:49	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 14:49	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*08/08/16 14:49*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/08/16 14:49*	*10*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*08/08/16 14:49*	*10*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*08/08/16 14:49*	*10*

Client Sample ID: 819018SS027000XX

Lab Sample ID: 480-103449-27

Date Collected: 07/19/16 11:45

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 15:13	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 15:13	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 15:13	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 15:13	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 15:13	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 15:13	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 15:13	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 15:13	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 15:13	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 15:13	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*08/08/16 15:13*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/08/16 15:13*	*10*
4-Bromofluorobenzene (Surr)	*114*		*73 - 120*		*08/08/16 15:13*	*10*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*08/08/16 15:13*	*10*

Client Sample ID: 819018SS028000XX

Lab Sample ID: 480-103449-28

Date Collected: 07/19/16 11:50

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 15:36	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 15:36	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 15:36	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 15:36	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 15:36	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 15:36	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 15:36	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 15:36	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 15:36	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 15:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*08/08/16 15:36*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/08/16 15:36*	*10*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*08/08/16 15:36*	*10*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*08/08/16 15:36*	*10*

Client Sample ID: 819018SS029000XX

Lab Sample ID: 480-103449-29

Date Collected: 07/19/16 11:05

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 16:00	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 16:00	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 16:00	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 16:00	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 16:00	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 16:00	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 16:00	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 16:00	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 16:00	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 16:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*08/08/16 16:00*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/08/16 16:00*	*10*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*08/08/16 16:00*	*10*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*08/08/16 16:00*	*10*

Client Sample ID: 819018SS030000XX

Lab Sample ID: 480-103449-30

Date Collected: 07/19/16 11:10

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 16:25	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 16:25	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 16:25	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 16:25	10

Client Sample ID: 819018SS030000XX

Lab Sample ID: 480-103449-30

Date Collected: 07/19/16 11:10

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 16:25	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 16:25	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 16:25	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 16:25	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 16:25	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 16:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*08/08/16 16:25*	*10*
Toluene-d8 (Surr)	*91*		*80 - 120*		*08/08/16 16:25*	*10*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*08/08/16 16:25*	*10*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*08/08/16 16:25*	*10*

Client Sample ID: 819018SS031000XX

Lab Sample ID: 480-103449-31

Date Collected: 07/19/16 11:15

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 16:49	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 16:49	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 16:49	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 16:49	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 16:49	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 16:49	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 16:49	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 16:49	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 16:49	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 16:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/08/16 16:49*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/08/16 16:49*	*10*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*08/08/16 16:49*	*10*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*08/08/16 16:49*	*10*

Client Sample ID: 819018SS032000XX

Lab Sample ID: 480-103449-32

Date Collected: 07/19/16 09:40

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 17:13	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 17:13	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 17:13	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 17:13	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 17:13	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 17:13	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 17:13	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 17:13	10

Client Sample ID: 819018SS032000XX
Date Collected: 07/19/16 09:40
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-32
Matrix: Solid

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 17:13	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 17:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*08/08/16 17:13*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/08/16 17:13*	*10*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*08/08/16 17:13*	*10*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*08/08/16 17:13*	*10*

Client Sample ID: 819018SS033000XX
Date Collected: 07/19/16 09:45
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-33
Matrix: Solid

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 17:37	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 17:37	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 17:37	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 17:37	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 17:37	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 17:37	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 17:37	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 17:37	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 17:37	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 17:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*08/08/16 17:37*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/08/16 17:37*	*10*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*08/08/16 17:37*	*10*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*08/08/16 17:37*	*10*

Client Sample ID: 819018SS034000XX
Date Collected: 07/19/16 09:50
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-34
Matrix: Solid

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 18:00	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 18:00	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 18:00	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 18:00	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 18:00	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 18:00	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 18:00	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 18:00	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 18:00	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 18:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*08/08/16 18:00*	*10*

Client Sample ID: 819018SS034000XX
Date Collected: 07/19/16 09:50
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-34
Matrix: Solid

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/08/16 18:00*	*10*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*08/08/16 18:00*	*10*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*08/08/16 18:00*	*10*

Client Sample ID: 819018SS035000XX
Date Collected: 07/19/16 09:55
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-35
Matrix: Solid

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 18:24	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 18:24	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 18:24	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 18:24	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 18:24	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 18:24	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 18:24	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 18:24	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 18:24	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 18:24	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*08/08/16 18:24*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/08/16 18:24*	*10*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*08/08/16 18:24*	*10*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*08/08/16 18:24*	*10*

Client Sample ID: 819018SS036000XX
Date Collected: 07/19/16 10:00
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-36
Matrix: Solid

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 18:48	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 18:48	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 18:48	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 18:48	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 18:48	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 18:48	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 18:48	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 18:48	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 18:48	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 18:48	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*08/08/16 18:48*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*08/08/16 18:48*	*10*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*08/08/16 18:48*	*10*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*08/08/16 18:48*	*10*

Client Sample ID: 819018SS037000XX

Lab Sample ID: 480-103449-37

Date Collected: 07/19/16 08:55

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 19:11	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 19:11	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 19:11	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 19:11	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 19:11	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 19:11	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 19:11	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 19:11	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 19:11	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 19:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*08/08/16 19:11*	*10*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/08/16 19:11*	*10*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*08/08/16 19:11*	*10*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*08/08/16 19:11*	*10*

Client Sample ID: 819018SS038000XX

Lab Sample ID: 480-103449-38

Date Collected: 07/19/16 09:00

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			08/08/16 19:35	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			08/08/16 19:35	10
Chlorobenzene	ND		0.010	0.0075	mg/L			08/08/16 19:35	10
Chloroform	ND		0.010	0.0034	mg/L			08/08/16 19:35	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			08/08/16 19:35	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			08/08/16 19:35	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			08/08/16 19:35	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			08/08/16 19:35	10
Trichloroethene	ND		0.010	0.0046	mg/L			08/08/16 19:35	10
Vinyl chloride	ND		0.010	0.0090	mg/L			08/08/16 19:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*08/08/16 19:35*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*08/08/16 19:35*	*10*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*08/08/16 19:35*	*10*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*08/08/16 19:35*	*10*

Client Sample ID: 819018SS039000XX

Lab Sample ID: 480-103449-39

Date Collected: 07/20/16 10:00

Matrix: Solid

Date Received: 07/21/16 09:30

Percent Solids: 77.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.052	mg/Kg	☼	07/22/16 07:33	07/23/16 03:30	1
PCB-1221	ND		0.27	0.052	mg/Kg	☼	07/22/16 07:33	07/23/16 03:30	1
PCB-1232	ND		0.27	0.052	mg/Kg	☼	07/22/16 07:33	07/23/16 03:30	1
PCB-1242	ND		0.27	0.052	mg/Kg	☼	07/22/16 07:33	07/23/16 03:30	1

Client Sample ID: 819018SS039000XX
Date Collected: 07/20/16 10:00
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-39
Matrix: Solid
Percent Solids: 77.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.27	0.052	mg/Kg	☼	07/22/16 07:33	07/23/16 03:30	1
PCB-1254	ND		0.27	0.12	mg/Kg	☼	07/22/16 07:33	07/23/16 03:30	1
PCB-1260	ND		0.27	0.12	mg/Kg	☼	07/22/16 07:33	07/23/16 03:30	1
Polychlorinated biphenyls, Total	ND		0.27	0.12	mg/Kg	☼	07/22/16 07:33	07/23/16 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*113*		*60 - 154*	*07/22/16 07:33*	*07/23/16 03:30*	*1*
Tetrachloro-m-xylene	*100*		*60 - 154*	*07/22/16 07:33*	*07/23/16 03:30*	*1*
DCB Decachlorobiphenyl	*110*		*65 - 174*	*07/22/16 07:33*	*07/23/16 03:30*	*1*
DCB Decachlorobiphenyl	*97*		*65 - 174*	*07/22/16 07:33*	*07/23/16 03:30*	*1*

Client Sample ID: 819018SS040000XX
Date Collected: 07/20/16 10:05
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-40
Matrix: Solid
Percent Solids: 87.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.048	mg/Kg	☼	07/22/16 07:33	07/23/16 03:46	1
PCB-1221	ND		0.25	0.048	mg/Kg	☼	07/22/16 07:33	07/23/16 03:46	1
PCB-1232	ND		0.25	0.048	mg/Kg	☼	07/22/16 07:33	07/23/16 03:46	1
PCB-1242	ND		0.25	0.048	mg/Kg	☼	07/22/16 07:33	07/23/16 03:46	1
PCB-1248	ND		0.25	0.048	mg/Kg	☼	07/22/16 07:33	07/23/16 03:46	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	07/22/16 07:33	07/23/16 03:46	1
PCB-1260	**0.16**	**J**	0.25	0.12	mg/Kg	☼	07/22/16 07:33	07/23/16 03:46	1
Polychlorinated biphenyls, Total	**0.16**	**J**	0.25	0.12	mg/Kg	☼	07/22/16 07:33	07/23/16 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*60 - 154*	*07/22/16 07:33*	*07/23/16 03:46*	*1*
Tetrachloro-m-xylene	*94*		*60 - 154*	*07/22/16 07:33*	*07/23/16 03:46*	*1*
DCB Decachlorobiphenyl	*113*		*65 - 174*	*07/22/16 07:33*	*07/23/16 03:46*	*1*
DCB Decachlorobiphenyl	*104*		*65 - 174*	*07/22/16 07:33*	*07/23/16 03:46*	*1*

Client Sample ID: 819018SS041000XX
Date Collected: 07/20/16 10:10
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-41
Matrix: Solid
Percent Solids: 84.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.054	mg/Kg	☼	07/22/16 07:33	07/23/16 04:02	1
PCB-1221	ND		0.28	0.054	mg/Kg	☼	07/22/16 07:33	07/23/16 04:02	1
PCB-1232	ND		0.28	0.054	mg/Kg	☼	07/22/16 07:33	07/23/16 04:02	1
PCB-1242	ND		0.28	0.054	mg/Kg	☼	07/22/16 07:33	07/23/16 04:02	1
PCB-1248	ND		0.28	0.054	mg/Kg	☼	07/22/16 07:33	07/23/16 04:02	1
PCB-1254	ND		0.28	0.13	mg/Kg	☼	07/22/16 07:33	07/23/16 04:02	1
PCB-1260	**0.13**	**J**	0.28	0.13	mg/Kg	☼	07/22/16 07:33	07/23/16 04:02	1
Polychlorinated biphenyls, Total	**0.13**	**J**	0.28	0.13	mg/Kg	☼	07/22/16 07:33	07/23/16 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*122*		*60 - 154*	*07/22/16 07:33*	*07/23/16 04:02*	*1*
Tetrachloro-m-xylene	*105*		*60 - 154*	*07/22/16 07:33*	*07/23/16 04:02*	*1*
DCB Decachlorobiphenyl	*124*		*65 - 174*	*07/22/16 07:33*	*07/23/16 04:02*	*1*

Client Sample ID: 819018SS041000XX

Lab Sample ID: 480-103449-41
Date Collected: 07/20/16 10:10
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 84.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	113		65 - 174	07/22/16 07:33	07/23/16 04:02	1

Client Sample ID: 819018SS042000XX

Lab Sample ID: 480-103449-42
Date Collected: 07/20/16 10:15
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 89.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.053	mg/Kg	☼	07/22/16 07:33	07/23/16 04:18	1
PCB-1221	ND		0.27	0.053	mg/Kg	☼	07/22/16 07:33	07/23/16 04:18	1
PCB-1232	ND		0.27	0.053	mg/Kg	☼	07/22/16 07:33	07/23/16 04:18	1
PCB-1242	ND		0.27	0.053	mg/Kg	☼	07/22/16 07:33	07/23/16 04:18	1
PCB-1248	ND		0.27	0.053	mg/Kg	☼	07/22/16 07:33	07/23/16 04:18	1
PCB-1254	ND		0.27	0.13	mg/Kg	☼	07/22/16 07:33	07/23/16 04:18	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	07/22/16 07:33	07/23/16 04:18	1
Polychlorinated biphenyls, Total	ND		0.27	0.13	mg/Kg	☼	07/22/16 07:33	07/23/16 04:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	121		60 - 154	07/22/16 07:33	07/23/16 04:18	1
Tetrachloro-m-xylene	108		60 - 154	07/22/16 07:33	07/23/16 04:18	1
DCB Decachlorobiphenyl	128		65 - 174	07/22/16 07:33	07/23/16 04:18	1
DCB Decachlorobiphenyl	119		65 - 174	07/22/16 07:33	07/23/16 04:18	1

Client Sample ID: 819018SS043000XX

Lab Sample ID: 480-103449-43
Date Collected: 07/20/16 10:20
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 57.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.84	0.17	mg/Kg	☼	07/22/16 07:33	07/23/16 04:34	2
PCB-1221	ND		0.84	0.17	mg/Kg	☼	07/22/16 07:33	07/23/16 04:34	2
PCB-1232	ND		0.84	0.17	mg/Kg	☼	07/22/16 07:33	07/23/16 04:34	2
PCB-1242	ND		0.84	0.17	mg/Kg	☼	07/22/16 07:33	07/23/16 04:34	2
PCB-1248	**3.3**		0.84	0.17	mg/Kg	☼	07/22/16 07:33	07/23/16 04:34	2
PCB-1254	**3.4**		0.84	0.40	mg/Kg	☼	07/22/16 07:33	07/23/16 04:34	2
PCB-1260	**2.8**		0.84	0.40	mg/Kg	☼	07/22/16 07:33	07/23/16 04:34	2
Polychlorinated biphenyls, Total	**9.5**		0.84	0.40	mg/Kg	☼	07/22/16 07:33	07/23/16 04:34	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		60 - 154	07/22/16 07:33	07/23/16 04:34	2
Tetrachloro-m-xylene	81		60 - 154	07/22/16 07:33	07/23/16 04:34	2
DCB Decachlorobiphenyl	103		65 - 174	07/22/16 07:33	07/23/16 04:34	2
DCB Decachlorobiphenyl	112		65 - 174	07/22/16 07:33	07/23/16 04:34	2

Client Sample ID: 819018SS044000XX

Lab Sample ID: 480-103449-44
Date Collected: 07/20/16 10:25
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 81.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.29	0.056	mg/Kg	☼	07/22/16 07:33	07/23/16 04:49	1
PCB-1221	ND		0.29	0.056	mg/Kg	☼	07/22/16 07:33	07/23/16 04:49	1
PCB-1232	ND		0.29	0.056	mg/Kg	☼	07/22/16 07:33	07/23/16 04:49	1
PCB-1242	ND		0.29	0.056	mg/Kg	☼	07/22/16 07:33	07/23/16 04:49	1
PCB-1248	**1.5**		0.29	0.056	mg/Kg	☼	07/22/16 07:33	07/23/16 04:49	1
PCB-1254	**2.5**		0.29	0.13	mg/Kg	☼	07/22/16 07:33	07/23/16 04:49	1
PCB-1260	**1.9**		0.29	0.13	mg/Kg	☼	07/22/16 07:33	07/23/16 04:49	1
Polychlorinated biphenyls, Total	**5.9**		0.29	0.13	mg/Kg	☼	07/22/16 07:33	07/23/16 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*118*		*60 - 154*	*07/22/16 07:33*	*07/23/16 04:49*	*1*
Tetrachloro-m-xylene	*103*		*60 - 154*	*07/22/16 07:33*	*07/23/16 04:49*	*1*
DCB Decachlorobiphenyl	*125*		*65 - 174*	*07/22/16 07:33*	*07/23/16 04:49*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*07/22/16 07:33*	*07/23/16 04:49*	*1*

Client Sample ID: 819018SS045000XX

Lab Sample ID: 480-103449-45
Date Collected: 07/20/16 10:30
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 92.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2.3	0.46	mg/Kg	☼	07/22/16 07:33	07/23/16 05:06	10
PCB-1221	ND		2.3	0.46	mg/Kg	☼	07/22/16 07:33	07/23/16 05:06	10
PCB-1232	ND		2.3	0.46	mg/Kg	☼	07/22/16 07:33	07/23/16 05:06	10
PCB-1242	ND		2.3	0.46	mg/Kg	☼	07/22/16 07:33	07/23/16 05:06	10
PCB-1248	**16**		2.3	0.46	mg/Kg	☼	07/22/16 07:33	07/23/16 05:06	10
PCB-1254	**23**		2.3	1.1	mg/Kg	☼	07/22/16 07:33	07/23/16 05:06	10
PCB-1260	**14**		2.3	1.1	mg/Kg	☼	07/22/16 07:33	07/23/16 05:06	10
Polychlorinated biphenyls, Total	**53**		2.3	1.1	mg/Kg	☼	07/22/16 07:33	07/23/16 05:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*60 - 154*	*07/22/16 07:33*	*07/23/16 05:06*	*10*
Tetrachloro-m-xylene	*79*		*60 - 154*	*07/22/16 07:33*	*07/23/16 05:06*	*10*
DCB Decachlorobiphenyl	*206*	*X*	*65 - 174*	*07/22/16 07:33*	*07/23/16 05:06*	*10*
DCB Decachlorobiphenyl	*248*	*X*	*65 - 174*	*07/22/16 07:33*	*07/23/16 05:06*	*10*

Client Sample ID: 819018WC001000XX

Lab Sample ID: 480-103449-46
Date Collected: 07/20/16 08:40
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 11:23	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 11:23	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 11:23	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 11:23	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 11:23	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 11:23	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 11:23	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 11:23	1

Client Sample ID: 819018WC001000XX
Date Collected: 07/20/16 08:40
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-46
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 11:23	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 11:23	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 11:23	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 11:23	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*52 - 132*	*07/26/16 10:16*	*07/27/16 11:23*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*07/26/16 10:16*	*07/27/16 11:23*	*1*
2-Fluorophenol	*48*		*20 - 120*	*07/26/16 10:16*	*07/27/16 11:23*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*07/26/16 10:16*	*07/27/16 11:23*	*1*
p-Terphenyl-d14	*84*		*67 - 150*	*07/26/16 10:16*	*07/27/16 11:23*	*1*
Phenol-d5	*35*		*16 - 120*	*07/26/16 10:16*	*07/27/16 11:23*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 12:28	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 12:28	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 12:28	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 12:28	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 12:28	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 12:28	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*20 - 120*	*07/26/16 10:26*	*07/27/16 12:28*	*1*
DCB Decachlorobiphenyl	*66*		*20 - 120*	*07/26/16 10:26*	*07/27/16 12:28*	*1*
Tetrachloro-m-xylene	*79*		*36 - 120*	*07/26/16 10:26*	*07/27/16 12:28*	*1*
Tetrachloro-m-xylene	*73*		*36 - 120*	*07/26/16 10:26*	*07/27/16 12:28*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/27/16 21:20	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/27/16 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*39*		*35 - 143*	*07/26/16 10:05*	*07/27/16 21:20*	*1*
2,4-Dichlorophenylacetic acid	*18*	*X*	*35 - 143*	*07/26/16 10:05*	*07/27/16 21:20*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0057**	**J**	0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 20:21	1
Barium	**1.8**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 20:21	1
Cadmium	**0.087**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 20:21	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 20:21	1
Lead	**1.9**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 20:21	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 20:21	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 20:21	1

Client Sample ID: 819018WC001000XX
Lab Sample ID: 480-103449-46
Date Collected: 07/20/16 08:40
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 12:15	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 14:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/08/16 11:30	1
pH	**7.7**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC001000XX
Lab Sample ID: 480-103449-46
Date Collected: 07/20/16 08:40
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 85.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.4	0.27	mg/Kg	☼	07/22/16 07:39	07/22/16 20:51	5
PCB-1221	ND		1.4	0.27	mg/Kg	☼	07/22/16 07:39	07/22/16 20:51	5
PCB-1232	ND		1.4	0.27	mg/Kg	☼	07/22/16 07:39	07/22/16 20:51	5
PCB-1242	ND		1.4	0.27	mg/Kg	☼	07/22/16 07:39	07/22/16 20:51	5
PCB-1248	**4.0**		1.4	0.27	mg/Kg	☼	07/22/16 07:39	07/22/16 20:51	5
PCB-1254	**9.8**		1.4	0.65	mg/Kg	☼	07/22/16 07:39	07/22/16 20:51	5
PCB-1260	**8.9**	**F1**	1.4	0.65	mg/Kg	☼	07/22/16 07:39	07/22/16 20:51	5
Polychlorinated biphenyls, Total	**23**		1.4	0.65	mg/Kg	☼	07/22/16 07:39	07/22/16 20:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*60 - 154*	*07/22/16 07:39*	*07/22/16 20:51*	*5*
Tetrachloro-m-xylene	*96*		*60 - 154*	*07/22/16 07:39*	*07/22/16 20:51*	*5*
DCB Decachlorobiphenyl	*119*		*65 - 174*	*07/22/16 07:39*	*07/22/16 20:51*	*5*
DCB Decachlorobiphenyl	*146*		*65 - 174*	*07/22/16 07:39*	*07/22/16 20:51*	*5*

Client Sample ID: 819018WC02A000XX
Lab Sample ID: 480-103449-47
Date Collected: 07/20/16 09:00
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 11:50	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 11:50	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 11:50	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 11:50	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 11:50	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 11:50	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 11:50	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 11:50	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 11:50	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 11:50	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 11:50	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 11:50	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 11:50	1

Client Sample ID: 819018WC02A000XX
Date Collected: 07/20/16 09:00
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-47
Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*52 - 132*	*07/26/16 10:16*	*07/27/16 11:50*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*07/26/16 10:16*	*07/27/16 11:50*	*1*
2-Fluorophenol	*47*		*20 - 120*	*07/26/16 10:16*	*07/27/16 11:50*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*07/26/16 10:16*	*07/27/16 11:50*	*1*
p-Terphenyl-d14	*83*		*67 - 150*	*07/26/16 10:16*	*07/27/16 11:50*	*1*
Phenol-d5	*35*		*16 - 120*	*07/26/16 10:16*	*07/27/16 11:50*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 12:48	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 12:48	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 12:48	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 12:48	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 12:48	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 12:48	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*20 - 120*	*07/26/16 10:26*	*07/27/16 12:48*	*1*
DCB Decachlorobiphenyl	*96*		*20 - 120*	*07/26/16 10:26*	*07/27/16 12:48*	*1*
Tetrachloro-m-xylene	*76*		*36 - 120*	*07/26/16 10:26*	*07/27/16 12:48*	*1*
Tetrachloro-m-xylene	*71*		*36 - 120*	*07/26/16 10:26*	*07/27/16 12:48*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/27/16 21:49	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/27/16 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*62*		*35 - 143*	*07/26/16 10:05*	*07/27/16 21:49*	*1*
2,4-Dichlorophenylacetic acid	*56*		*35 - 143*	*07/26/16 10:05*	*07/27/16 21:49*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0065**	**J**	0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 20:25	1
Barium	**2.9**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 20:25	1
Cadmium	**0.50**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 20:25	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 20:25	1
Lead	**20.8**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 20:25	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 20:25	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 20:25	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00077**		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 12:15	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 14:15	1

Client Sample ID: 819018WC02A000XX
Date Collected: 07/20/16 09:00
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-47
Matrix: Solid

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**8.3**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC02A000XX
Date Collected: 07/20/16 09:00
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-47
Matrix: Solid
Percent Solids: 90.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2.5	0.49	mg/Kg	☼	07/22/16 07:39	07/22/16 21:07	10
PCB-1221	ND		2.5	0.49	mg/Kg	☼	07/22/16 07:39	07/22/16 21:07	10
PCB-1232	ND		2.5	0.49	mg/Kg	☼	07/22/16 07:39	07/22/16 21:07	10
PCB-1242	ND		2.5	0.49	mg/Kg	☼	07/22/16 07:39	07/22/16 21:07	10
PCB-1248	**18**		2.5	0.49	mg/Kg	☼	07/22/16 07:39	07/22/16 21:07	10
PCB-1254	**19**		2.5	1.2	mg/Kg	☼	07/22/16 07:39	07/22/16 21:07	10
PCB-1260	**13**		2.5	1.2	mg/Kg	☼	07/22/16 07:39	07/22/16 21:07	10
Polychlorinated biphenyls, Total	**50**		2.5	1.2	mg/Kg	☼	07/22/16 07:39	07/22/16 21:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*116*		*60 - 154*	*07/22/16 07:39*	*07/22/16 21:07*	*10*
Tetrachloro-m-xylene	*87*		*60 - 154*	*07/22/16 07:39*	*07/22/16 21:07*	*10*
DCB Decachlorobiphenyl	*148*		*65 - 174*	*07/22/16 07:39*	*07/22/16 21:07*	*10*
DCB Decachlorobiphenyl	*187*	*X*	*65 - 174*	*07/22/16 07:39*	*07/22/16 21:07*	*10*

Client Sample ID: 819018WC02B000XX
Date Collected: 07/20/16 09:05
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-48
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 12:16	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 12:16	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 12:16	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 12:16	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 12:16	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 12:16	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 12:16	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 12:16	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 12:16	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 12:16	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 12:16	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 12:16	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*52 - 132*	*07/26/16 10:16*	*07/27/16 12:16*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*07/26/16 10:16*	*07/27/16 12:16*	*1*
2-Fluorophenol	*45*		*20 - 120*	*07/26/16 10:16*	*07/27/16 12:16*	*1*
Nitrobenzene-d5	*90*		*46 - 120*	*07/26/16 10:16*	*07/27/16 12:16*	*1*
p-Terphenyl-d14	*94*		*67 - 150*	*07/26/16 10:16*	*07/27/16 12:16*	*1*
Phenol-d5	*34*		*16 - 120*	*07/26/16 10:16*	*07/27/16 12:16*	*1*

Client Sample ID: 819018WC02B000XX
Date Collected: 07/20/16 09:05
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-48
Matrix: Solid

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 13:07	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 13:07	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 13:07	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 13:07	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 13:07	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 13:07	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*20 - 120*	*07/26/16 10:26*	*07/27/16 13:07*	*1*
DCB Decachlorobiphenyl	*136*	*X*	*20 - 120*	*07/26/16 10:26*	*07/27/16 13:07*	*1*
Tetrachloro-m-xylene	*78*		*36 - 120*	*07/26/16 10:26*	*07/27/16 13:07*	*1*
Tetrachloro-m-xylene	*72*		*36 - 120*	*07/26/16 10:26*	*07/27/16 13:07*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/27/16 22:19	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/27/16 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*46*		*35 - 143*	*07/26/16 10:05*	*07/27/16 22:19*	*1*
2,4-Dichlorophenylacetic acid	*18*	*X*	*35 - 143*	*07/26/16 10:05*	*07/27/16 22:19*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 20:29	1
Barium	**1.8**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 20:29	1
Cadmium	**0.41**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 20:29	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 20:29	1
Lead	**70.4**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 20:29	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 20:29	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 20:29	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 12:15	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 14:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**8.3**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC02B000XX

Lab Sample ID: 480-103449-48

Date Collected: 07/20/16 09:05

Matrix: Solid

Date Received: 07/21/16 09:30

Percent Solids: 86.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.52	0.10	mg/Kg	☼	07/22/16 07:39	07/22/16 21:23	2
PCB-1221	ND		0.52	0.10	mg/Kg	☼	07/22/16 07:39	07/22/16 21:23	2
PCB-1232	ND		0.52	0.10	mg/Kg	☼	07/22/16 07:39	07/22/16 21:23	2
PCB-1242	ND		0.52	0.10	mg/Kg	☼	07/22/16 07:39	07/22/16 21:23	2
PCB-1248	**3.5**		0.52	0.10	mg/Kg	☼	07/22/16 07:39	07/22/16 21:23	2
PCB-1254	**5.9**		0.52	0.24	mg/Kg	☼	07/22/16 07:39	07/22/16 21:23	2
PCB-1260	**3.3**		0.52	0.24	mg/Kg	☼	07/22/16 07:39	07/22/16 21:23	2
Polychlorinated biphenyls, Total	**13**		0.52	0.24	mg/Kg	☼	07/22/16 07:39	07/22/16 21:23	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*60 - 154*	*07/22/16 07:39*	*07/22/16 21:23*	*2*
Tetrachloro-m-xylene	*86*		*60 - 154*	*07/22/16 07:39*	*07/22/16 21:23*	*2*
DCB Decachlorobiphenyl	*103*		*65 - 174*	*07/22/16 07:39*	*07/22/16 21:23*	*2*
DCB Decachlorobiphenyl	*107*		*65 - 174*	*07/22/16 07:39*	*07/22/16 21:23*	*2*

Client Sample ID: 819018WC003000XX

Lab Sample ID: 480-103449-49

Date Collected: 07/19/16 16:25

Matrix: Solid

Date Received: 07/21/16 09:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 12:42	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 12:42	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 12:42	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 12:42	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 12:42	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 12:42	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 12:42	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 12:42	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 12:42	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 12:42	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 12:42	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 12:42	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*52 - 132*	*07/26/16 10:16*	*07/27/16 12:42*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*07/26/16 10:16*	*07/27/16 12:42*	*1*
2-Fluorophenol	*45*		*20 - 120*	*07/26/16 10:16*	*07/27/16 12:42*	*1*
Nitrobenzene-d5	*92*		*46 - 120*	*07/26/16 10:16*	*07/27/16 12:42*	*1*
p-Terphenyl-d14	*96*		*67 - 150*	*07/26/16 10:16*	*07/27/16 12:42*	*1*
Phenol-d5	*35*		*16 - 120*	*07/26/16 10:16*	*07/27/16 12:42*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 13:27	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 13:27	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 13:27	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 13:27	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 13:27	1

Client Sample ID: 819018WC003000XX
Date Collected: 07/19/16 16:25
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-49
Matrix: Solid

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 13:27	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*20 - 120*	*07/26/16 10:26*	*07/27/16 13:27*	*1*
DCB Decachlorobiphenyl	*120*		*20 - 120*	*07/26/16 10:26*	*07/27/16 13:27*	*1*
Tetrachloro-m-xylene	*78*		*36 - 120*	*07/26/16 10:26*	*07/27/16 13:27*	*1*
Tetrachloro-m-xylene	*72*		*36 - 120*	*07/26/16 10:26*	*07/27/16 13:27*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/27/16 22:49	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/27/16 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*45*		*35 - 143*	*07/26/16 10:05*	*07/27/16 22:49*	*1*
2,4-Dichlorophenylacetic acid	*43*		*35 - 143*	*07/26/16 10:05*	*07/27/16 22:49*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 20:43	1
Barium	**6.0**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 20:43	1
Cadmium	**0.41**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 20:43	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 20:43	1
Lead	**8.5**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 20:43	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 20:43	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 20:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 12:15	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 14:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**8.3**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC003000XX
Date Collected: 07/19/16 16:25
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-49
Matrix: Solid
Percent Solids: 87.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2.2	0.44	mg/Kg	☼	07/22/16 07:39	07/22/16 21:39	10
PCB-1221	ND		2.2	0.44	mg/Kg	☼	07/22/16 07:39	07/22/16 21:39	10
PCB-1232	ND		2.2	0.44	mg/Kg	☼	07/22/16 07:39	07/22/16 21:39	10
PCB-1242	ND		2.2	0.44	mg/Kg	☼	07/22/16 07:39	07/22/16 21:39	10
PCB-1248	**17**		2.2	0.44	mg/Kg	☼	07/22/16 07:39	07/22/16 21:39	10

Client Sample ID: 819018WC003000XX

Lab Sample ID: 480-103449-49
Date Collected: 07/19/16 16:25
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 87.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	22		2.2	1.0	mg/Kg	☼	07/22/16 07:39	07/22/16 21:39	10
PCB-1260	15		2.2	1.0	mg/Kg	☼	07/22/16 07:39	07/22/16 21:39	10
Polychlorinated biphenyls, Total	54		2.2	1.0	mg/Kg	☼	07/22/16 07:39	07/22/16 21:39	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*60 - 154*	*07/22/16 07:39*	*07/22/16 21:39*	*10*
Tetrachloro-m-xylene	*85*		*60 - 154*	*07/22/16 07:39*	*07/22/16 21:39*	*10*
DCB Decachlorobiphenyl	*111*		*65 - 174*	*07/22/16 07:39*	*07/22/16 21:39*	*10*
DCB Decachlorobiphenyl	*121*		*65 - 174*	*07/22/16 07:39*	*07/22/16 21:39*	*10*

Client Sample ID: 819018WC004000XX

Lab Sample ID: 480-103449-50
Date Collected: 07/19/16 17:00
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 13:08	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 13:08	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 13:08	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 13:08	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 13:08	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 13:08	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 13:08	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 13:08	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 13:08	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 13:08	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 13:08	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 13:08	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*52 - 132*	*07/26/16 10:16*	*07/27/16 13:08*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*07/26/16 10:16*	*07/27/16 13:08*	*1*
2-Fluorophenol	*45*		*20 - 120*	*07/26/16 10:16*	*07/27/16 13:08*	*1*
Nitrobenzene-d5	*90*		*46 - 120*	*07/26/16 10:16*	*07/27/16 13:08*	*1*
p-Terphenyl-d14	*87*		*67 - 150*	*07/26/16 10:16*	*07/27/16 13:08*	*1*
Phenol-d5	*32*		*16 - 120*	*07/26/16 10:16*	*07/27/16 13:08*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 13:47	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 13:47	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 13:47	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 13:47	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 13:47	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 13:47	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*20 - 120*	*07/26/16 10:26*	*07/27/16 13:47*	*1*
DCB Decachlorobiphenyl	*71*		*20 - 120*	*07/26/16 10:26*	*07/27/16 13:47*	*1*

Client Sample ID: 819018WC004000XX — **Lab Sample ID: 480-103449-50**
Date Collected: 07/19/16 17:00 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*36 - 120*	*07/26/16 10:26*	*07/27/16 13:47*	*1*
Tetrachloro-m-xylene	*68*		*36 - 120*	*07/26/16 10:26*	*07/27/16 13:47*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/27/16 23:49	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/27/16 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*47*		*35 - 143*	*07/26/16 10:05*	*07/27/16 23:49*	*1*
2,4-Dichlorophenylacetic acid	*27*	*X*	*35 - 143*	*07/26/16 10:05*	*07/27/16 23:49*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.013**	**J**	0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 19:38	1
Barium	**2.9**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 19:38	1
Cadmium	**0.11**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 19:38	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 19:38	1
Lead	**4.9**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 19:38	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 19:38	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 19:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 11:20	07/26/16 14:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 12:15	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 14:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**8.7**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC004000XX — **Lab Sample ID: 480-103449-50**
Date Collected: 07/19/16 17:00 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 95.0**

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg	☼	07/22/16 07:39	07/22/16 21:55	1
PCB-1221	ND		0.24	0.047	mg/Kg	☼	07/22/16 07:39	07/22/16 21:55	1
PCB-1232	ND		0.24	0.047	mg/Kg	☼	07/22/16 07:39	07/22/16 21:55	1
PCB-1242	ND		0.24	0.047	mg/Kg	☼	07/22/16 07:39	07/22/16 21:55	1
PCB-1248	**0.45**		0.24	0.047	mg/Kg	☼	07/22/16 07:39	07/22/16 21:55	1
PCB-1254	**1.2**		0.24	0.11	mg/Kg	☼	07/22/16 07:39	07/22/16 21:55	1
PCB-1260	**1.1**		0.24	0.11	mg/Kg	☼	07/22/16 07:39	07/22/16 21:55	1
Polychlorinated biphenyls, Total	**2.8**		0.24	0.11	mg/Kg	☼	07/22/16 07:39	07/22/16 21:55	1

Client Sample ID: 819018WC004000XX

Lab Sample ID: 480-103449-50

Date Collected: 07/19/16 17:00
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 95.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*117*		*60 - 154*	*07/22/16 07:39*	*07/22/16 21:55*	*1*
Tetrachloro-m-xylene	*104*		*60 - 154*	*07/22/16 07:39*	*07/22/16 21:55*	*1*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*07/22/16 07:39*	*07/22/16 21:55*	*1*
DCB Decachlorobiphenyl	*120*		*65 - 174*	*07/22/16 07:39*	*07/22/16 21:55*	*1*

Client Sample ID: 819018WC005000XX

Lab Sample ID: 480-103449-51

Date Collected: 07/19/16 15:35
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 13:34	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 13:34	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 13:34	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 13:34	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 13:34	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 13:34	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 13:34	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 13:34	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 13:34	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 13:34	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 13:34	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 13:34	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*52 - 132*	*07/26/16 10:16*	*07/27/16 13:34*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*07/26/16 10:16*	*07/27/16 13:34*	*1*
2-Fluorophenol	*49*		*20 - 120*	*07/26/16 10:16*	*07/27/16 13:34*	*1*
Nitrobenzene-d5	*96*		*46 - 120*	*07/26/16 10:16*	*07/27/16 13:34*	*1*
p-Terphenyl-d14	*97*		*67 - 150*	*07/26/16 10:16*	*07/27/16 13:34*	*1*
Phenol-d5	*35*		*16 - 120*	*07/26/16 10:16*	*07/27/16 13:34*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 14:06	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 14:06	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 14:06	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 14:06	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 14:06	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 14:06	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*20 - 120*	*07/26/16 10:26*	*07/27/16 14:06*	*1*
DCB Decachlorobiphenyl	*73*		*20 - 120*	*07/26/16 10:26*	*07/27/16 14:06*	*1*
Tetrachloro-m-xylene	*78*		*36 - 120*	*07/26/16 10:26*	*07/27/16 14:06*	*1*
Tetrachloro-m-xylene	*71*		*36 - 120*	*07/26/16 10:26*	*07/27/16 14:06*	*1*

Client Sample ID: 819018WC005000XX
Date Collected: 07/19/16 15:35
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-51
Matrix: Solid

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/28/16 00:19	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/28/16 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*41*		*35 - 143*	*07/26/16 10:05*	*07/28/16 00:19*	*1*
2,4-Dichlorophenylacetic acid	*25*	*X*	*35 - 143*	*07/26/16 10:05*	*07/28/16 00:19*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 20:47	1
Barium	**2.7**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 20:47	1
Cadmium	**0.11**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 20:47	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 20:47	1
Lead	**0.88**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 20:47	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 20:47	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 20:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 12:15	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 14:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**8.2**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC005000XX
Date Collected: 07/19/16 15:35
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-51
Matrix: Solid
Percent Solids: 86.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2.5	0.48	mg/Kg	☼	07/22/16 07:39	07/22/16 22:11	10
PCB-1221	ND		2.5	0.48	mg/Kg	☼	07/22/16 07:39	07/22/16 22:11	10
PCB-1232	ND		2.5	0.48	mg/Kg	☼	07/22/16 07:39	07/22/16 22:11	10
PCB-1242	ND		2.5	0.48	mg/Kg	☼	07/22/16 07:39	07/22/16 22:11	10
PCB-1248	ND		2.5	0.48	mg/Kg	☼	07/22/16 07:39	07/22/16 22:11	10
PCB-1254	ND		2.5	1.2	mg/Kg	☼	07/22/16 07:39	07/22/16 22:11	10
PCB-1260	**35**		2.5	1.2	mg/Kg	☼	07/22/16 07:39	07/22/16 22:11	10
Polychlorinated biphenyls, Total	**35**		2.5	1.2	mg/Kg	☼	07/22/16 07:39	07/22/16 22:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*07/22/16 07:39*	*07/22/16 22:11*	*10*
Tetrachloro-m-xylene	*83*		*60 - 154*	*07/22/16 07:39*	*07/22/16 22:11*	*10*
DCB Decachlorobiphenyl	*111*		*65 - 174*	*07/22/16 07:39*	*07/22/16 22:11*	*10*
DCB Decachlorobiphenyl	*143*		*65 - 174*	*07/22/16 07:39*	*07/22/16 22:11*	*10*

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018WC006000XX
Date Collected: 07/19/16 12:55
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-52
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 14:01	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 14:01	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 14:01	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 14:01	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 14:01	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 14:01	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 14:01	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 14:01	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 14:01	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 14:01	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 14:01	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 14:01	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*52 - 132*	*07/26/16 10:16*	*07/27/16 14:01*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*07/26/16 10:16*	*07/27/16 14:01*	*1*
2-Fluorophenol	*48*		*20 - 120*	*07/26/16 10:16*	*07/27/16 14:01*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*07/26/16 10:16*	*07/27/16 14:01*	*1*
p-Terphenyl-d14	*89*		*67 - 150*	*07/26/16 10:16*	*07/27/16 14:01*	*1*
Phenol-d5	*36*		*16 - 120*	*07/26/16 10:16*	*07/27/16 14:01*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 14:26	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 14:26	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 14:26	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 14:26	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 14:26	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 14:26	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*20 - 120*	*07/26/16 10:26*	*07/27/16 14:26*	*1*
DCB Decachlorobiphenyl	*71*		*20 - 120*	*07/26/16 10:26*	*07/27/16 14:26*	*1*
Tetrachloro-m-xylene	*76*		*36 - 120*	*07/26/16 10:26*	*07/27/16 14:26*	*1*
Tetrachloro-m-xylene	*70*		*36 - 120*	*07/26/16 10:26*	*07/27/16 14:26*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/28/16 00:49	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/28/16 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*43*		*35 - 143*	*07/26/16 10:05*	*07/28/16 00:49*	*1*
2,4-Dichlorophenylacetic acid	*17*	*X*	*35 - 143*	*07/26/16 10:05*	*07/28/16 00:49*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 21:06	1
Barium	**1.3**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 21:06	1

Client Sample ID: 819018WC006000XX
Date Collected: 07/19/16 12:55
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-52
Matrix: Solid

Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.16**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 21:06	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 21:06	1
Lead	**0.32**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 21:06	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 21:06	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 21:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 12:15	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 14:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**6.8**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC006000XX
Date Collected: 07/19/16 12:55
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-52
Matrix: Solid
Percent Solids: 79.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.61	0.12	mg/Kg	☼	07/22/16 07:39	07/22/16 22:27	2
PCB-1221	ND		0.61	0.12	mg/Kg	☼	07/22/16 07:39	07/22/16 22:27	2
PCB-1232	ND		0.61	0.12	mg/Kg	☼	07/22/16 07:39	07/22/16 22:27	2
PCB-1242	ND		0.61	0.12	mg/Kg	☼	07/22/16 07:39	07/22/16 22:27	2
PCB-1248	ND		0.61	0.12	mg/Kg	☼	07/22/16 07:39	07/22/16 22:27	2
PCB-1254	**5.1**		0.61	0.29	mg/Kg	☼	07/22/16 07:39	07/22/16 22:27	2
PCB-1260	**4.9**		0.61	0.29	mg/Kg	☼	07/22/16 07:39	07/22/16 22:27	2
Polychlorinated biphenyls, Total	**10**		0.61	0.29	mg/Kg	☼	07/22/16 07:39	07/22/16 22:27	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*60 - 154*	*07/22/16 07:39*	*07/22/16 22:27*	*2*
Tetrachloro-m-xylene	*86*		*60 - 154*	*07/22/16 07:39*	*07/22/16 22:27*	*2*
DCB Decachlorobiphenyl	*95*		*65 - 174*	*07/22/16 07:39*	*07/22/16 22:27*	*2*
DCB Decachlorobiphenyl	*105*		*65 - 174*	*07/22/16 07:39*	*07/22/16 22:27*	*2*

Client Sample ID: 819018WC07A000XX
Date Collected: 07/19/16 13:45
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-53
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 14:27	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 14:27	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 14:27	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 14:27	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 14:27	1

Client Sample ID: 819018WC07A000XX
Date Collected: 07/19/16 13:45
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-53
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 14:27	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 14:27	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 14:27	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 14:27	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 14:27	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 14:27	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 14:27	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*52 - 132*	*07/26/16 10:16*	*07/27/16 14:27*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*07/26/16 10:16*	*07/27/16 14:27*	*1*
2-Fluorophenol	*47*		*20 - 120*	*07/26/16 10:16*	*07/27/16 14:27*	*1*
Nitrobenzene-d5	*98*		*46 - 120*	*07/26/16 10:16*	*07/27/16 14:27*	*1*
p-Terphenyl-d14	*99*		*67 - 150*	*07/26/16 10:16*	*07/27/16 14:27*	*1*
Phenol-d5	*37*		*16 - 120*	*07/26/16 10:16*	*07/27/16 14:27*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 14:46	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 14:46	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 14:46	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 14:46	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 14:46	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 14:46	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*20 - 120*	*07/26/16 10:26*	*07/27/16 14:46*	*1*
DCB Decachlorobiphenyl	*94*		*20 - 120*	*07/26/16 10:26*	*07/27/16 14:46*	*1*
Tetrachloro-m-xylene	*75*		*36 - 120*	*07/26/16 10:26*	*07/27/16 14:46*	*1*
Tetrachloro-m-xylene	*69*		*36 - 120*	*07/26/16 10:26*	*07/27/16 14:46*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/28/16 01:19	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/28/16 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*31*	*X*	*35 - 143*	*07/26/16 10:05*	*07/28/16 01:19*	*1*
2,4-Dichlorophenylacetic acid	*19*	*X*	*35 - 143*	*07/26/16 10:05*	*07/28/16 01:19*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0056**	**J**	0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 21:10	1
Barium	**1.5**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 21:10	1
Cadmium	**0.18**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 21:10	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 21:10	1
Lead	**3.9**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 21:10	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 21:10	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 21:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 12:15	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 14:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**8.3**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC07A000XX
Date Collected: 07/19/16 13:45
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-53
Matrix: Solid
Percent Solids: 91.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.3	0.26	mg/Kg	☼	07/22/16 07:39	07/22/16 22:43	5
PCB-1221	ND		1.3	0.26	mg/Kg	☼	07/22/16 07:39	07/22/16 22:43	5
PCB-1232	ND		1.3	0.26	mg/Kg	☼	07/22/16 07:39	07/22/16 22:43	5
PCB-1242	ND		1.3	0.26	mg/Kg	☼	07/22/16 07:39	07/22/16 22:43	5
PCB-1248	**9.4**		1.3	0.26	mg/Kg	☼	07/22/16 07:39	07/22/16 22:43	5
PCB-1254	**15**		1.3	0.61	mg/Kg	☼	07/22/16 07:39	07/22/16 22:43	5
PCB-1260	**9.6**		1.3	0.61	mg/Kg	☼	07/22/16 07:39	07/22/16 22:43	5
Polychlorinated biphenyls, Total	**34**		1.3	0.61	mg/Kg	☼	07/22/16 07:39	07/22/16 22:43	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*128*		*60 - 154*	*07/22/16 07:39*	*07/22/16 22:43*	*5*
Tetrachloro-m-xylene	*92*		*60 - 154*	*07/22/16 07:39*	*07/22/16 22:43*	*5*
DCB Decachlorobiphenyl	*164*		*65 - 174*	*07/22/16 07:39*	*07/22/16 22:43*	*5*
DCB Decachlorobiphenyl	*164*		*65 - 174*	*07/22/16 07:39*	*07/22/16 22:43*	*5*

Client Sample ID: 819018WC07B000XX
Date Collected: 07/19/16 13:50
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-54
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 14:53	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 14:53	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 14:53	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 14:53	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 14:53	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 14:53	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 14:53	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 14:53	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 14:53	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 14:53	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 14:53	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 14:53	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*52 - 132*	*07/26/16 10:16*	*07/27/16 14:53*	*1*
2-Fluorobiphenyl	*88*		*48 - 120*	*07/26/16 10:16*	*07/27/16 14:53*	*1*

Client Sample ID: 819018WC07B000XX
Date Collected: 07/19/16 13:50
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-54
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol	*50*		*20 - 120*	*07/26/16 10:16*	*07/27/16 14:53*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*07/26/16 10:16*	*07/27/16 14:53*	*1*
p-Terphenyl-d14	*96*		*67 - 150*	*07/26/16 10:16*	*07/27/16 14:53*	*1*
Phenol-d5	*37*		*16 - 120*	*07/26/16 10:16*	*07/27/16 14:53*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	**0.000046**	**J**	0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 15:05	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 15:05	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 15:05	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 15:05	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 15:05	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 15:05	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*20 - 120*	*07/26/16 10:26*	*07/27/16 15:05*	*1*
DCB Decachlorobiphenyl	*84*		*20 - 120*	*07/26/16 10:26*	*07/27/16 15:05*	*1*
Tetrachloro-m-xylene	*83*		*36 - 120*	*07/26/16 10:26*	*07/27/16 15:05*	*1*
Tetrachloro-m-xylene	*75*		*36 - 120*	*07/26/16 10:26*	*07/27/16 15:05*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/28/16 01:49	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/28/16 01:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*37*		*35 - 143*	*07/26/16 10:05*	*07/28/16 01:49*	*1*
2,4-Dichlorophenylacetic acid	*16*	*X*	*35 - 143*	*07/26/16 10:05*	*07/28/16 01:49*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 21:13	1
Barium	**1.4**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 21:13	1
Cadmium	**0.20**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 21:13	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 21:13	1
Lead	**0.32**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 21:13	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 21:13	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 21:13	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 12:15	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 14:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1

Client Sample ID: 819018WC07B000XX
Date Collected: 07/19/16 13:50
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-54
Matrix: Solid

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3	HF	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC07B000XX
Date Collected: 07/19/16 13:50
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-54
Matrix: Solid
Percent Solids: 84.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.4	0.27	mg/Kg	☼	07/22/16 07:39	07/22/16 22:59	5
PCB-1221	ND		1.4	0.27	mg/Kg	☼	07/22/16 07:39	07/22/16 22:59	5
PCB-1232	ND		1.4	0.27	mg/Kg	☼	07/22/16 07:39	07/22/16 22:59	5
PCB-1242	ND		1.4	0.27	mg/Kg	☼	07/22/16 07:39	07/22/16 22:59	5
PCB-1248	11		1.4	0.27	mg/Kg	☼	07/22/16 07:39	07/22/16 22:59	5
PCB-1254	12		1.4	0.64	mg/Kg	☼	07/22/16 07:39	07/22/16 22:59	5
PCB-1260	7.3		1.4	0.64	mg/Kg	☼	07/22/16 07:39	07/22/16 22:59	5
Polychlorinated biphenyls, Total	30		1.4	0.64	mg/Kg	☼	07/22/16 07:39	07/22/16 22:59	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*60 - 154*	*07/22/16 07:39*	*07/22/16 22:59*	*5*
Tetrachloro-m-xylene	*84*		*60 - 154*	*07/22/16 07:39*	*07/22/16 22:59*	*5*
DCB Decachlorobiphenyl	*108*		*65 - 174*	*07/22/16 07:39*	*07/22/16 22:59*	*5*
DCB Decachlorobiphenyl	*121*		*65 - 174*	*07/22/16 07:39*	*07/22/16 22:59*	*5*

Client Sample ID: 819018WC008000XX
Date Collected: 07/19/16 14:40
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-55
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 15:19	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 15:19	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 15:19	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 15:19	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 15:19	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 15:19	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 15:19	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 15:19	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 15:19	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 15:19	1
Pyridine	0.0012	J	0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 15:19	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 15:19	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*52 - 132*	*07/26/16 10:16*	*07/27/16 15:19*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*07/26/16 10:16*	*07/27/16 15:19*	*1*
2-Fluorophenol	*45*		*20 - 120*	*07/26/16 10:16*	*07/27/16 15:19*	*1*
Nitrobenzene-d5	*87*		*46 - 120*	*07/26/16 10:16*	*07/27/16 15:19*	*1*
p-Terphenyl-d14	*95*		*67 - 150*	*07/26/16 10:16*	*07/27/16 15:19*	*1*
Phenol-d5	*35*		*16 - 120*	*07/26/16 10:16*	*07/27/16 15:19*	*1*

Client Sample ID: 819018WC008000XX
Date Collected: 07/19/16 14:40
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-55
Matrix: Solid

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 15:25	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 15:25	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 15:25	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 15:25	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 15:25	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 15:25	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*20 - 120*	*07/26/16 10:26*	*07/27/16 15:25*	*1*
DCB Decachlorobiphenyl	*98*		*20 - 120*	*07/26/16 10:26*	*07/27/16 15:25*	*1*
Tetrachloro-m-xylene	*78*		*36 - 120*	*07/26/16 10:26*	*07/27/16 15:25*	*1*
Tetrachloro-m-xylene	*73*		*36 - 120*	*07/26/16 10:26*	*07/27/16 15:25*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/28/16 02:18	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/28/16 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*38*		*35 - 143*	*07/26/16 10:05*	*07/28/16 02:18*	*1*
2,4-Dichlorophenylacetic acid	*16*	*X*	*35 - 143*	*07/26/16 10:05*	*07/28/16 02:18*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 21:28	1
Barium	**1.8**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 21:28	1
Cadmium	**0.16**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 21:28	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 21:28	1
Lead	**8.5**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 21:28	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 21:28	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 21:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 12:15	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 14:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**7.7**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC008000XX

Lab Sample ID: 480-103449-55
Date Collected: 07/19/16 14:40
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 96.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.1	0.22	mg/Kg	☼	07/22/16 07:39	07/22/16 23:15	5
PCB-1221	ND		1.1	0.22	mg/Kg	☼	07/22/16 07:39	07/22/16 23:15	5
PCB-1232	ND		1.1	0.22	mg/Kg	☼	07/22/16 07:39	07/22/16 23:15	5
PCB-1242	ND		1.1	0.22	mg/Kg	☼	07/22/16 07:39	07/22/16 23:15	5
PCB-1248	**5.9**		1.1	0.22	mg/Kg	☼	07/22/16 07:39	07/22/16 23:15	5
PCB-1254	**10**		1.1	0.53	mg/Kg	☼	07/22/16 07:39	07/22/16 23:15	5
PCB-1260	**7.9**		1.1	0.53	mg/Kg	☼	07/22/16 07:39	07/22/16 23:15	5
Polychlorinated biphenyls, Total	**24**		1.1	0.53	mg/Kg	☼	07/22/16 07:39	07/22/16 23:15	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*60 - 154*	*07/22/16 07:39*	*07/22/16 23:15*	*5*
Tetrachloro-m-xylene	*80*		*60 - 154*	*07/22/16 07:39*	*07/22/16 23:15*	*5*
DCB Decachlorobiphenyl	*128*		*65 - 174*	*07/22/16 07:39*	*07/22/16 23:15*	*5*
DCB Decachlorobiphenyl	*157*		*65 - 174*	*07/22/16 07:39*	*07/22/16 23:15*	*5*

Client Sample ID: 819018WC009000XX

Lab Sample ID: 480-103449-56
Date Collected: 07/19/16 11:55
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 15:45	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 15:45	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 15:45	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 15:45	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 15:45	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 15:45	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 15:45	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 15:45	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 15:45	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 15:45	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 15:45	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 15:45	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*52 - 132*	*07/26/16 10:16*	*07/27/16 15:45*	*1*
2-Fluorobiphenyl	*79*		*48 - 120*	*07/26/16 10:16*	*07/27/16 15:45*	*1*
2-Fluorophenol	*43*		*20 - 120*	*07/26/16 10:16*	*07/27/16 15:45*	*1*
Nitrobenzene-d5	*84*		*46 - 120*	*07/26/16 10:16*	*07/27/16 15:45*	*1*
p-Terphenyl-d14	*92*		*67 - 150*	*07/26/16 10:16*	*07/27/16 15:45*	*1*
Phenol-d5	*33*		*16 - 120*	*07/26/16 10:16*	*07/27/16 15:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	**0.000055**	**J**	0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 15:44	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 15:44	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 15:44	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 15:44	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 15:44	1

Client Sample ID: 819018WC009000XX — **Lab Sample ID: 480-103449-56**
Date Collected: 07/19/16 11:55 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 15:44	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*20 - 120*	*07/26/16 10:26*	*07/27/16 15:44*	*1*
DCB Decachlorobiphenyl	*105*		*20 - 120*	*07/26/16 10:26*	*07/27/16 15:44*	*1*
Tetrachloro-m-xylene	*84*		*36 - 120*	*07/26/16 10:26*	*07/27/16 15:44*	*1*
Tetrachloro-m-xylene	*74*		*36 - 120*	*07/26/16 10:26*	*07/27/16 15:44*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/28/16 02:48	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/28/16 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*66*		*35 - 143*	*07/26/16 10:05*	*07/28/16 02:48*	*1*
2,4-Dichlorophenylacetic acid	*26*	*X*	*35 - 143*	*07/26/16 10:05*	*07/28/16 02:48*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0081**	**J**	0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 21:32	1
Barium	**2.3**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 21:32	1
Cadmium	**0.19**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 21:32	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 21:32	1
Lead	**2.2**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 21:32	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 21:32	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 21:32	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 12:15	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/26/16 02:40	07/26/16 14:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**8.2**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC009000XX — **Lab Sample ID: 480-103449-56**
Date Collected: 07/19/16 11:55 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 86.2**

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.3	0.26	mg/Kg	☼	07/22/16 07:39	07/22/16 23:31	5
PCB-1221	ND		1.3	0.26	mg/Kg	☼	07/22/16 07:39	07/22/16 23:31	5
PCB-1232	ND		1.3	0.26	mg/Kg	☼	07/22/16 07:39	07/22/16 23:31	5
PCB-1242	ND		1.3	0.26	mg/Kg	☼	07/22/16 07:39	07/22/16 23:31	5
PCB-1248	**7.6**		1.3	0.26	mg/Kg	☼	07/22/16 07:39	07/22/16 23:31	5

Client Sample ID: 819018WC009000XX

Lab Sample ID: 480-103449-56
Date Collected: 07/19/16 11:55
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 86.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	9.6		1.3	0.63	mg/Kg	☼	07/22/16 07:39	07/22/16 23:31	5
PCB-1260	5.7		1.3	0.63	mg/Kg	☼	07/22/16 07:39	07/22/16 23:31	5
Polychlorinated biphenyls, Total	23		1.3	0.63	mg/Kg	☼	07/22/16 07:39	07/22/16 23:31	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*114*		*60 - 154*	*07/22/16 07:39*	*07/22/16 23:31*	*5*
Tetrachloro-m-xylene	*86*		*60 - 154*	*07/22/16 07:39*	*07/22/16 23:31*	*5*
DCB Decachlorobiphenyl	*124*		*65 - 174*	*07/22/16 07:39*	*07/22/16 23:31*	*5*
DCB Decachlorobiphenyl	*127*		*65 - 174*	*07/22/16 07:39*	*07/22/16 23:31*	*5*

Client Sample ID: 819018WC010000XX

Lab Sample ID: 480-103449-57
Date Collected: 07/19/16 11:20
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 16:11	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 16:11	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 16:11	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 16:11	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 16:11	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 16:11	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 16:11	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 16:11	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 16:11	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 16:11	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 16:11	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 16:11	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*75*		*52 - 132*	*07/26/16 10:16*	*07/27/16 16:11*	*1*
2-Fluorobiphenyl	*82*		*48 - 120*	*07/26/16 10:16*	*07/27/16 16:11*	*1*
2-Fluorophenol	*49*		*20 - 120*	*07/26/16 10:16*	*07/27/16 16:11*	*1*
Nitrobenzene-d5	*93*		*46 - 120*	*07/26/16 10:16*	*07/27/16 16:11*	*1*
p-Terphenyl-d14	*94*		*67 - 150*	*07/26/16 10:16*	*07/27/16 16:11*	*1*
Phenol-d5	*37*		*16 - 120*	*07/26/16 10:16*	*07/27/16 16:11*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 16:04	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 16:04	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 16:04	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 16:04	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 16:04	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 16:04	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*20 - 120*	*07/26/16 10:26*	*07/27/16 16:04*	*1*
DCB Decachlorobiphenyl	*82*		*20 - 120*	*07/26/16 10:26*	*07/27/16 16:04*	*1*

Client Sample ID: 819018WC010000XX
Date Collected: 07/19/16 11:20
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-57
Matrix: Solid

Method: 8081B - Organochlorine Pesticides (GC) - TCLP (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*36 - 120*	*07/26/16 10:26*	*07/27/16 16:04*	*1*
Tetrachloro-m-xylene	*77*		*36 - 120*	*07/26/16 10:26*	*07/27/16 16:04*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/28/16 03:18	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/28/16 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*40*		*35 - 143*	*07/26/16 10:05*	*07/28/16 03:18*	*1*
2,4-Dichlorophenylacetic acid	*15*	*X*	*35 - 143*	*07/26/16 10:05*	*07/28/16 03:18*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 21:35	1
Barium	**2.4**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 21:35	1
Cadmium	**0.14**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 21:35	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 21:35	1
Lead	**10.4**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 21:35	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 21:35	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 21:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/28/16 02:45	07/28/16 10:54	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/28/16 02:45	07/28/16 11:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**8.3**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC010000XX
Date Collected: 07/19/16 11:20
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-57
Matrix: Solid
Percent Solids: 90.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.2	0.23	mg/Kg	☼	07/22/16 07:39	07/22/16 23:47	5
PCB-1221	ND		1.2	0.23	mg/Kg	☼	07/22/16 07:39	07/22/16 23:47	5
PCB-1232	ND		1.2	0.23	mg/Kg	☼	07/22/16 07:39	07/22/16 23:47	5
PCB-1242	ND		1.2	0.23	mg/Kg	☼	07/22/16 07:39	07/22/16 23:47	5
PCB-1248	**1.6**		1.2	0.23	mg/Kg	☼	07/22/16 07:39	07/22/16 23:47	5
PCB-1254	**4.4**		1.2	0.55	mg/Kg	☼	07/22/16 07:39	07/22/16 23:47	5
PCB-1260	**3.2**		1.2	0.55	mg/Kg	☼	07/22/16 07:39	07/22/16 23:47	5
Polychlorinated biphenyls, Total	**9.2**		1.2	0.55	mg/Kg	☼	07/22/16 07:39	07/22/16 23:47	5

Client Sample ID: 819018WC010000XX

Lab Sample ID: 480-103449-57
Date Collected: 07/19/16 11:20
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 90.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		60 - 154	07/22/16 07:39	07/22/16 23:47	5
Tetrachloro-m-xylene	84		60 - 154	07/22/16 07:39	07/22/16 23:47	5
DCB Decachlorobiphenyl	141		65 - 174	07/22/16 07:39	07/22/16 23:47	5
DCB Decachlorobiphenyl	128		65 - 174	07/22/16 07:39	07/22/16 23:47	5

Client Sample ID: 819018WC11A000XX

Lab Sample ID: 480-103449-58
Date Collected: 07/19/16 10:05
Matrix: Solid
Date Received: 07/21/16 09:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 16:37	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 16:37	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 16:37	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 16:37	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 16:37	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 16:37	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 16:37	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 16:37	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 16:37	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 16:37	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 16:37	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 16:37	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 16:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	80		52 - 132	07/26/16 10:16	07/27/16 16:37	1
2-Fluorobiphenyl	85		48 - 120	07/26/16 10:16	07/27/16 16:37	1
2-Fluorophenol	48		20 - 120	07/26/16 10:16	07/27/16 16:37	1
Nitrobenzene-d5	88		46 - 120	07/26/16 10:16	07/27/16 16:37	1
p-Terphenyl-d14	101		67 - 150	07/26/16 10:16	07/27/16 16:37	1
Phenol-d5	38		16 - 120	07/26/16 10:16	07/27/16 16:37	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 16:24	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 16:24	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 16:24	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 16:24	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 16:24	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 16:24	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	70		20 - 120	07/26/16 10:26	07/27/16 16:24	1
DCB Decachlorobiphenyl	72		20 - 120	07/26/16 10:26	07/27/16 16:24	1
Tetrachloro-m-xylene	79		36 - 120	07/26/16 10:26	07/27/16 16:24	1
Tetrachloro-m-xylene	75		36 - 120	07/26/16 10:26	07/27/16 16:24	1

Client Sample ID: 819018WC11A000XX

Date Collected: 07/19/16 10:05
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-58

Matrix: Solid

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/28/16 03:48	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/28/16 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*39*		*35 - 143*	*07/26/16 10:05*	*07/28/16 03:48*	*1*
2,4-Dichlorophenylacetic acid	*31*	*X*	*35 - 143*	*07/26/16 10:05*	*07/28/16 03:48*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 21:39	1
Barium	**2.3**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 21:39	1
Cadmium	**0.23**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 21:39	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 21:39	1
Lead	**2.5**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 21:39	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 21:39	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 21:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/28/16 02:45	07/28/16 10:54	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/28/16 02:45	07/28/16 11:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**8.5**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC11A000XX

Date Collected: 07/19/16 10:05
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-58

Matrix: Solid
Percent Solids: 84.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.1	0.22	mg/Kg	☼	07/22/16 07:39	07/23/16 00:03	5
PCB-1221	ND		1.1	0.22	mg/Kg	☼	07/22/16 07:39	07/23/16 00:03	5
PCB-1232	ND		1.1	0.22	mg/Kg	☼	07/22/16 07:39	07/23/16 00:03	5
PCB-1242	ND		1.1	0.22	mg/Kg	☼	07/22/16 07:39	07/23/16 00:03	5
PCB-1248	**4.6**		1.1	0.22	mg/Kg	☼	07/22/16 07:39	07/23/16 00:03	5
PCB-1254	**7.9**		1.1	0.53	mg/Kg	☼	07/22/16 07:39	07/23/16 00:03	5
PCB-1260	**5.7**		1.1	0.53	mg/Kg	☼	07/22/16 07:39	07/23/16 00:03	5
Polychlorinated biphenyls, Total	**18**		1.1	0.53	mg/Kg	☼	07/22/16 07:39	07/23/16 00:03	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*60 - 154*	*07/22/16 07:39*	*07/23/16 00:03*	*5*
Tetrachloro-m-xylene	*92*		*60 - 154*	*07/22/16 07:39*	*07/23/16 00:03*	*5*
DCB Decachlorobiphenyl	*131*		*65 - 174*	*07/22/16 07:39*	*07/23/16 00:03*	*5*
DCB Decachlorobiphenyl	*135*		*65 - 174*	*07/22/16 07:39*	*07/23/16 00:03*	*5*

Client Sample ID: 819018WC11B000XX
Date Collected: 07/19/16 10:01
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-59
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 17:03	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 17:03	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 17:03	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 17:03	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 17:03	1
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 17:03	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 17:03	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 17:03	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 17:03	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 17:03	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 17:03	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 17:03	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*52 - 132*	*07/26/16 10:16*	*07/27/16 17:03*	*1*
2-Fluorobiphenyl	*81*		*48 - 120*	*07/26/16 10:16*	*07/27/16 17:03*	*1*
2-Fluorophenol	*42*		*20 - 120*	*07/26/16 10:16*	*07/27/16 17:03*	*1*
Nitrobenzene-d5	*85*		*46 - 120*	*07/26/16 10:16*	*07/27/16 17:03*	*1*
p-Terphenyl-d14	*92*		*67 - 150*	*07/26/16 10:16*	*07/27/16 17:03*	*1*
Phenol-d5	*33*		*16 - 120*	*07/26/16 10:16*	*07/27/16 17:03*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 16:43	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 16:43	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 16:43	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 16:43	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 16:43	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 16:43	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*20 - 120*	*07/26/16 10:26*	*07/27/16 16:43*	*1*
DCB Decachlorobiphenyl	*72*		*20 - 120*	*07/26/16 10:26*	*07/27/16 16:43*	*1*
Tetrachloro-m-xylene	*86*		*36 - 120*	*07/26/16 10:26*	*07/27/16 16:43*	*1*
Tetrachloro-m-xylene	*76*		*36 - 120*	*07/26/16 10:26*	*07/27/16 16:43*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:05	07/28/16 04:18	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:05	07/28/16 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*47*		*35 - 143*	*07/26/16 10:05*	*07/28/16 04:18*	*1*
2,4-Dichlorophenylacetic acid	*27*	*X*	*35 - 143*	*07/26/16 10:05*	*07/28/16 04:18*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 21:43	1
Barium	**1.9**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 21:43	1

Client Sample ID: 819018WC11B000XX
Date Collected: 07/19/16 10:01
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-59
Matrix: Solid

Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.18**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 21:43	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 21:43	1
Lead	**8.1**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 21:43	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 21:43	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 21:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/28/16 02:45	07/28/16 10:54	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/28/16 02:45	07/28/16 11:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**8.3**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC11B000XX
Date Collected: 07/19/16 10:01
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-59
Matrix: Solid
Percent Solids: 88.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2.4	0.48	mg/Kg	☼	07/22/16 07:39	07/23/16 00:19	10
PCB-1221	ND		2.4	0.48	mg/Kg	☼	07/22/16 07:39	07/23/16 00:19	10
PCB-1232	ND		2.4	0.48	mg/Kg	☼	07/22/16 07:39	07/23/16 00:19	10
PCB-1242	ND		2.4	0.48	mg/Kg	☼	07/22/16 07:39	07/23/16 00:19	10
PCB-1248	**5.9**		2.4	0.48	mg/Kg	☼	07/22/16 07:39	07/23/16 00:19	10
PCB-1254	**6.4**		2.4	1.1	mg/Kg	☼	07/22/16 07:39	07/23/16 00:19	10
PCB-1260	**5.5**		2.4	1.1	mg/Kg	☼	07/22/16 07:39	07/23/16 00:19	10
Polychlorinated biphenyls, Total	**18**		2.4	1.1	mg/Kg	☼	07/22/16 07:39	07/23/16 00:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*60 - 154*	*07/22/16 07:39*	*07/23/16 00:19*	*10*
Tetrachloro-m-xylene	*77*		*60 - 154*	*07/22/16 07:39*	*07/23/16 00:19*	*10*
DCB Decachlorobiphenyl	*0*	*X*	*65 - 174*	*07/22/16 07:39*	*07/23/16 00:19*	*10*
DCB Decachlorobiphenyl	*0*	*X*	*65 - 174*	*07/22/16 07:39*	*07/23/16 00:19*	*10*

Client Sample ID: 819018WC012000XX
Date Collected: 07/19/16 09:05
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-60
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		07/26/16 10:16	07/27/16 17:29	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		07/26/16 10:16	07/27/16 17:29	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		07/26/16 10:16	07/27/16 17:29	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		07/26/16 10:16	07/27/16 17:29	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		07/26/16 10:16	07/27/16 17:29	1

Client Sample ID: 819018WC012000XX
Date Collected: 07/19/16 09:05
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-60
Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Methylphenol	ND		0.010	0.00040	mg/L		07/26/16 10:16	07/27/16 17:29	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		07/26/16 10:16	07/27/16 17:29	1
4-Methylphenol	ND		0.010	0.00036	mg/L		07/26/16 10:16	07/27/16 17:29	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		07/26/16 10:16	07/27/16 17:29	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		07/26/16 10:16	07/27/16 17:29	1
Pyridine	ND		0.025	0.00041	mg/L		07/26/16 10:16	07/27/16 17:29	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		07/26/16 10:16	07/27/16 17:29	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		07/26/16 10:16	07/27/16 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*52 - 132*	*07/26/16 10:16*	*07/27/16 17:29*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*07/26/16 10:16*	*07/27/16 17:29*	*1*
2-Fluorophenol	*48*		*20 - 120*	*07/26/16 10:16*	*07/27/16 17:29*	*1*
Nitrobenzene-d5	*93*		*46 - 120*	*07/26/16 10:16*	*07/27/16 17:29*	*1*
p-Terphenyl-d14	*97*		*67 - 150*	*07/26/16 10:16*	*07/27/16 17:29*	*1*
Phenol-d5	*37*		*16 - 120*	*07/26/16 10:16*	*07/27/16 17:29*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		07/26/16 10:26	07/27/16 17:03	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		07/26/16 10:26	07/27/16 17:03	1
Endrin	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 17:03	1
Heptachlor	ND		0.00020	0.0000085	mg/L		07/26/16 10:26	07/27/16 17:03	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		07/26/16 10:26	07/27/16 17:03	1
Methoxychlor	ND		0.00020	0.000014	mg/L		07/26/16 10:26	07/27/16 17:03	1
Toxaphene	ND		0.0020	0.00012	mg/L		07/26/16 10:26	07/27/16 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*20 - 120*	*07/26/16 10:26*	*07/27/16 17:03*	*1*
DCB Decachlorobiphenyl	*83*		*20 - 120*	*07/26/16 10:26*	*07/27/16 17:03*	*1*
Tetrachloro-m-xylene	*75*		*36 - 120*	*07/26/16 10:26*	*07/27/16 17:03*	*1*
Tetrachloro-m-xylene	*68*		*36 - 120*	*07/26/16 10:26*	*07/27/16 17:03*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		07/26/16 10:08	07/28/16 05:18	1
2,4-D	ND		0.0020	0.00040	mg/L		07/26/16 10:08	07/28/16 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*45*		*35 - 143*	*07/26/16 10:08*	*07/28/16 05:18*	*1*
2,4-Dichlorophenylacetic acid	*40*		*35 - 143*	*07/26/16 10:08*	*07/28/16 05:18*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.013**	**J**	0.015	0.0056	mg/L		07/26/16 12:05	07/27/16 21:47	1
Barium	**2.7**		1.0	0.10	mg/L		07/26/16 12:05	07/27/16 21:47	1
Cadmium	**0.24**		0.0020	0.00050	mg/L		07/26/16 12:05	07/27/16 21:47	1
Chromium	ND		0.020	0.010	mg/L		07/26/16 12:05	07/27/16 21:47	1
Lead	**5.5**		0.020	0.0030	mg/L		07/26/16 12:05	07/27/16 21:47	1
Selenium	ND		0.025	0.0087	mg/L		07/26/16 12:05	07/27/16 21:47	1
Silver	ND		0.0060	0.0017	mg/L		07/26/16 12:05	07/27/16 21:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		07/26/16 12:10	07/26/16 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		07/28/16 02:45	07/28/16 10:54	1
Sulfide, Reactive	ND		10	10	mg/Kg		07/28/16 02:45	07/28/16 11:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	ND		2.20	2.20	mm/sec			08/01/16 10:15	1
pH	**8.1**	**HF**	0.1	0.1	SU			07/24/16 08:30	1

Client Sample ID: 819018WC012000XX
Date Collected: 07/19/16 09:05
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-60
Matrix: Solid
Percent Solids: 89.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2.4	0.47	mg/Kg	☼	07/22/16 07:39	07/23/16 00:35	10
PCB-1221	ND		2.4	0.47	mg/Kg	☼	07/22/16 07:39	07/23/16 00:35	10
PCB-1232	ND		2.4	0.47	mg/Kg	☼	07/22/16 07:39	07/23/16 00:35	10
PCB-1242	ND		2.4	0.47	mg/Kg	☼	07/22/16 07:39	07/23/16 00:35	10
PCB-1248	**17**		2.4	0.47	mg/Kg	☼	07/22/16 07:39	07/23/16 00:35	10
PCB-1254	**26**		2.4	1.1	mg/Kg	☼	07/22/16 07:39	07/23/16 00:35	10
PCB-1260	**14**		2.4	1.1	mg/Kg	☼	07/22/16 07:39	07/23/16 00:35	10
Polychlorinated biphenyls, Total	**57**		2.4	1.1	mg/Kg	☼	07/22/16 07:39	07/23/16 00:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*120*		*60 - 154*	*07/22/16 07:39*	*07/23/16 00:35*	*10*
Tetrachloro-m-xylene	*61*		*60 - 154*	*07/22/16 07:39*	*07/23/16 00:35*	*10*
DCB Decachlorobiphenyl	*130*		*65 - 174*	*07/22/16 07:39*	*07/23/16 00:35*	*10*
DCB Decachlorobiphenyl	*159*		*65 - 174*	*07/22/16 07:39*	*07/23/16 00:35*	*10*

Client Sample ID: TB-01
Date Collected: 07/20/16 12:00
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-61
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/25/16 15:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/25/16 15:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/25/16 15:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/25/16 15:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/25/16 15:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/25/16 15:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/25/16 15:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/25/16 15:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/25/16 15:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/25/16 15:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/25/16 15:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/25/16 15:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/25/16 15:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/25/16 15:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/25/16 15:59	1
2-Hexanone	ND		5.0	1.2	ug/L			07/25/16 15:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/25/16 15:59	1

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: TB-01
Date Collected: 07/20/16 12:00
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-61
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			07/25/16 15:59	1
Benzene	ND		1.0	0.41	ug/L			07/25/16 15:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/25/16 15:59	1
Bromoform	ND		1.0	0.26	ug/L			07/25/16 15:59	1
Bromomethane	ND		1.0	0.69	ug/L			07/25/16 15:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/25/16 15:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/25/16 15:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/25/16 15:59	1
Chloroethane	ND		1.0	0.32	ug/L			07/25/16 15:59	1
Chloroform	ND		1.0	0.34	ug/L			07/25/16 15:59	1
Chloromethane	ND		1.0	0.35	ug/L			07/25/16 15:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/25/16 15:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/25/16 15:59	1
Cyclohexane	ND		1.0	0.18	ug/L			07/25/16 15:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/25/16 15:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/25/16 15:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/25/16 15:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/25/16 15:59	1
Methyl acetate	ND		2.5	1.3	ug/L			07/25/16 15:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/25/16 15:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/25/16 15:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/25/16 15:59	1
Styrene	ND		1.0	0.73	ug/L			07/25/16 15:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/25/16 15:59	1
Toluene	ND		1.0	0.51	ug/L			07/25/16 15:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/25/16 15:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/25/16 15:59	1
Trichloroethene	ND		1.0	0.46	ug/L			07/25/16 15:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/25/16 15:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/25/16 15:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/25/16 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*07/25/16 15:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*07/25/16 15:59*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*07/25/16 15:59*	*1*

Client Sample ID: 819018SS001000XX — Lab Sample ID: 480-103449-1

Date Collected: 07/20/16 08:30 — **Matrix: Solid**

Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312930	07/26/16 10:33	JLS	TAL BUF
TCLP	Analysis	8260C		10	314725	08/05/16 22:11	GTG	TAL BUF

Client Sample ID: 819018SS002000XX — Lab Sample ID: 480-103449-2

Date Collected: 07/20/16 08:35 — **Matrix: Solid**

Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312930	07/26/16 10:33	JLS	TAL BUF
TCLP	Analysis	8260C		10	314725	08/05/16 22:35	GTG	TAL BUF

Client Sample ID: 819018SS003000XX — Lab Sample ID: 480-103449-3

Date Collected: 07/20/16 08:45 — **Matrix: Solid**

Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312930	07/26/16 10:33	JLS	TAL BUF
TCLP	Analysis	8260C		10	314725	08/05/16 22:59	GTG	TAL BUF

Client Sample ID: 819018SS004000XX — Lab Sample ID: 480-103449-4

Date Collected: 07/20/16 09:10 — **Matrix: Solid**

Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312930	07/26/16 10:33	JLS	TAL BUF
TCLP	Analysis	8260C		10	314725	08/05/16 23:23	GTG	TAL BUF

Client Sample ID: 819018SS005000XX — Lab Sample ID: 480-103449-5

Date Collected: 07/20/16 09:15 — **Matrix: Solid**

Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312930	07/26/16 10:33	JLS	TAL BUF
TCLP	Analysis	8260C		10	314725	08/05/16 23:47	GTG	TAL BUF

Client Sample ID: 819018SS006000XX — Lab Sample ID: 480-103449-6

Date Collected: 07/20/16 09:20 — **Matrix: Solid**

Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312930	07/26/16 10:33	JLS	TAL BUF
TCLP	Analysis	8260C		10	314725	08/06/16 00:11	GTG	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018SS007000XX — Lab Sample ID: 480-103449-7

Date Collected: 07/20/16 09:25 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312930	07/26/16 10:33	JLS	TAL BUF
TCLP	Analysis	8260C		10	314725	08/06/16 00:34	GTG	TAL BUF

Client Sample ID: 819018SS008000XX — Lab Sample ID: 480-103449-8

Date Collected: 07/20/16 09:30 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312930	07/26/16 10:33	JLS	TAL BUF
TCLP	Analysis	8260C		10	314725	08/06/16 00:58	GTG	TAL BUF

Client Sample ID: 819018SS009000XX — Lab Sample ID: 480-103449-9

Date Collected: 07/20/16 09:35 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312930	07/26/16 10:33	JLS	TAL BUF
TCLP	Analysis	8260C		10	314725	08/06/16 01:22	GTG	TAL BUF

Client Sample ID: 819018SS010000XX — Lab Sample ID: 480-103449-10

Date Collected: 07/19/16 16:05 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312930	07/26/16 10:33	JLS	TAL BUF
TCLP	Analysis	8260C		10	314725	08/06/16 01:45	GTG	TAL BUF

Client Sample ID: 819018SS011000XX — Lab Sample ID: 480-103449-11

Date Collected: 07/19/16 16:10 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312930	07/26/16 10:33	JLS	TAL BUF
TCLP	Analysis	8260C		10	314725	08/06/16 02:09	GTG	TAL BUF

Client Sample ID: 819018SS012000XX — Lab Sample ID: 480-103449-12

Date Collected: 07/19/16 16:15 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314752	08/06/16 00:08	SWO	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018SS013000XX — Lab Sample ID: 480-103449-13

Date Collected: 07/19/16 16:20 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314752	08/06/16 00:32	SWO	TAL BUF

Client Sample ID: 819018SS014000XX — Lab Sample ID: 480-103449-14

Date Collected: 07/19/16 16:50 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314752	08/06/16 00:55	SWO	TAL BUF

Client Sample ID: 819018SS015000XX — Lab Sample ID: 480-103449-15

Date Collected: 07/19/16 16:55 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314752	08/06/16 01:18	SWO	TAL BUF

Client Sample ID: 819018SS016000XX — Lab Sample ID: 480-103449-16

Date Collected: 07/19/16 15:25 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314752	08/06/16 01:41	SWO	TAL BUF

Client Sample ID: 819018SS017000XX — Lab Sample ID: 480-103449-17

Date Collected: 07/19/16 15:30 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314752	08/06/16 02:04	SWO	TAL BUF

Client Sample ID: 819018SS018000XX — Lab Sample ID: 480-103449-18

Date Collected: 07/19/16 12:50 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314752	08/06/16 02:27	SWO	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018SS019000XX — Lab Sample ID: 480-103449-19

Date Collected: 07/19/16 13:20 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314752	08/06/16 02:50	SWO	TAL BUF

Client Sample ID: 819018SS020000XX — Lab Sample ID: 480-103449-20

Date Collected: 07/19/16 13:25 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314895	08/08/16 16:10	GVF	TAL BUF

Client Sample ID: 819018SS021000XX — Lab Sample ID: 480-103449-21

Date Collected: 07/19/16 13:30 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314895	08/08/16 16:34	GVF	TAL BUF

Client Sample ID: 819018SS022000XX — Lab Sample ID: 480-103449-22

Date Collected: 07/19/16 13:35 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314895	08/08/16 16:57	GVF	TAL BUF

Client Sample ID: 819018SS023000XX — Lab Sample ID: 480-103449-23

Date Collected: 07/19/16 13:40 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314895	08/08/16 17:20	GVF	TAL BUF

Client Sample ID: 819018SS024000XX — Lab Sample ID: 480-103449-24

Date Collected: 07/19/16 14:30 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314895	08/08/16 17:44	GVF	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018SS025000XX — Lab Sample ID: 480-103449-25

Date Collected: 07/19/16 14:35 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313150	07/27/16 09:42	JLS	TAL BUF
TCLP	Analysis	8260C		10	314895	08/08/16 18:07	GVF	TAL BUF

Client Sample ID: 819018SS026000XX — Lab Sample ID: 480-103449-26

Date Collected: 07/19/16 11:40 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 14:49	RRS	TAL BUF

Client Sample ID: 819018SS027000XX — Lab Sample ID: 480-103449-27

Date Collected: 07/19/16 11:45 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 15:13	RRS	TAL BUF

Client Sample ID: 819018SS028000XX — Lab Sample ID: 480-103449-28

Date Collected: 07/19/16 11:50 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 15:36	RRS	TAL BUF

Client Sample ID: 819018SS029000XX — Lab Sample ID: 480-103449-29

Date Collected: 07/19/16 11:05 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 16:00	RRS	TAL BUF

Client Sample ID: 819018SS030000XX — Lab Sample ID: 480-103449-30

Date Collected: 07/19/16 11:10 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 16:25	RRS	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018SS031000XX — Lab Sample ID: 480-103449-31

Date Collected: 07/19/16 11:15 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 16:49	RRS	TAL BUF

Client Sample ID: 819018SS032000XX — Lab Sample ID: 480-103449-32

Date Collected: 07/19/16 09:40 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 17:13	RRS	TAL BUF

Client Sample ID: 819018SS033000XX — Lab Sample ID: 480-103449-33

Date Collected: 07/19/16 09:45 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 17:37	RRS	TAL BUF

Client Sample ID: 819018SS034000XX — Lab Sample ID: 480-103449-34

Date Collected: 07/19/16 09:50 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 18:00	RRS	TAL BUF

Client Sample ID: 819018SS035000XX — Lab Sample ID: 480-103449-35

Date Collected: 07/19/16 09:55 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 18:24	RRS	TAL BUF

Client Sample ID: 819018SS036000XX — Lab Sample ID: 480-103449-36

Date Collected: 07/19/16 10:00 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 18:48	RRS	TAL BUF

Client Sample ID: 819018SS037000XX — Lab Sample ID: 480-103449-37

Date Collected: 07/19/16 08:55 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 19:11	RRS	TAL BUF

Client Sample ID: 819018SS038000XX — Lab Sample ID: 480-103449-38

Date Collected: 07/19/16 09:00 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			313371	07/28/16 10:07	JLS	TAL BUF
TCLP	Analysis	8260C		10	314890	08/08/16 19:35	RRS	TAL BUF

Client Sample ID: 819018SS039000XX — Lab Sample ID: 480-103449-39

Date Collected: 07/20/16 10:00 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018SS039000XX — Lab Sample ID: 480-103449-39

Date Collected: 07/20/16 10:00 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 77.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312390	07/22/16 07:33	RJS	TAL BUF
Total/NA	Analysis	8082A		1	312544	07/23/16 03:30	JMO	TAL BUF

Client Sample ID: 819018SS040000XX — Lab Sample ID: 480-103449-40

Date Collected: 07/20/16 10:05 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018SS040000XX — Lab Sample ID: 480-103449-40

Date Collected: 07/20/16 10:05 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 87.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312390	07/22/16 07:33	RJS	TAL BUF
Total/NA	Analysis	8082A		1	312544	07/23/16 03:46	JMO	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018SS041000XX — **Lab Sample ID: 480-103449-41**
Date Collected: 07/20/16 10:10 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018SS041000XX — **Lab Sample ID: 480-103449-41**
Date Collected: 07/20/16 10:10 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 84.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312390	07/22/16 07:33	RJS	TAL BUF
Total/NA	Analysis	8082A		1	312544	07/23/16 04:02	JMO	TAL BUF

Client Sample ID: 819018SS042000XX — **Lab Sample ID: 480-103449-42**
Date Collected: 07/20/16 10:15 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018SS042000XX — **Lab Sample ID: 480-103449-42**
Date Collected: 07/20/16 10:15 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 89.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312390	07/22/16 07:33	RJS	TAL BUF
Total/NA	Analysis	8082A		1	312544	07/23/16 04:18	JMO	TAL BUF

Client Sample ID: 819018SS043000XX — **Lab Sample ID: 480-103449-43**
Date Collected: 07/20/16 10:20 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018SS043000XX — **Lab Sample ID: 480-103449-43**
Date Collected: 07/20/16 10:20 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 57.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312390	07/22/16 07:33	RJS	TAL BUF
Total/NA	Analysis	8082A		2	312544	07/23/16 04:34	JMO	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018SS044000XX
Date Collected: 07/20/16 10:25
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018SS044000XX
Date Collected: 07/20/16 10:25
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-44
Matrix: Solid
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312390	07/22/16 07:33	RJS	TAL BUF
Total/NA	Analysis	8082A		1	312544	07/23/16 04:49	JMO	TAL BUF

Client Sample ID: 819018SS045000XX
Date Collected: 07/20/16 10:30
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018SS045000XX
Date Collected: 07/20/16 10:30
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-45
Matrix: Solid
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312390	07/22/16 07:33	RJS	TAL BUF
Total/NA	Analysis	8082A		10	312544	07/23/16 05:06	JMO	TAL BUF

Client Sample ID: 819018WC001000XX
Date Collected: 07/20/16 08:40
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 11:23	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 12:28	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/27/16 21:20	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 20:21	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF

Client Sample ID: 819018WC001000XX — Lab Sample ID: 480-103449-46

Date Collected: 07/20/16 08:40
Date Received: 07/21/16 09:30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:08	JRK	TAL BUF
Total/NA	Analysis	1030		1	383661	08/08/16 11:30	YAH	TAL EDI
Total/NA	Prep	7.3.3			312915	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9012		1	313014	07/26/16 12:15	LAW	TAL BUF
Total/NA	Prep	7.3.4			312920	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9034		1	313016	07/26/16 14:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018WC001000XX — Lab Sample ID: 480-103449-46

Date Collected: 07/20/16 08:40
Date Received: 07/21/16 09:30
Matrix: Solid
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		5	312544	07/22/16 20:51	JMO	TAL BUF

Client Sample ID: 819018WC02A000XX — Lab Sample ID: 480-103449-47

Date Collected: 07/20/16 09:00
Date Received: 07/21/16 09:30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 11:50	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 12:48	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/27/16 21:49	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 20:25	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:10	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI
Total/NA	Prep	7.3.3			312915	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9012		1	313014	07/26/16 12:15	LAW	TAL BUF
Total/NA	Prep	7.3.4			312920	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9034		1	313016	07/26/16 14:15	LAW	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018WC02A000XX — Lab Sample ID: 480-103449-47

Date Collected: 07/20/16 09:00 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018WC02A000XX — Lab Sample ID: 480-103449-47

Date Collected: 07/20/16 09:00 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 90.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		10	312544	07/22/16 21:07	JMO	TAL BUF

Client Sample ID: 819018WC02B000XX — Lab Sample ID: 480-103449-48

Date Collected: 07/20/16 09:05 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 12:16	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 13:07	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/27/16 22:19	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 20:29	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:15	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI
Total/NA	Prep	7.3.3			312915	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9012		1	313014	07/26/16 12:15	LAW	TAL BUF
Total/NA	Prep	7.3.4			312920	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9034		1	313016	07/26/16 14:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018WC02B000XX — Lab Sample ID: 480-103449-48

Date Collected: 07/20/16 09:05 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 86.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		2	312544	07/22/16 21:23	JMO	TAL BUF

Client Sample ID: 819018WC003000XX — Lab Sample ID: 480-103449-49

Date Collected: 07/19/16 16:25 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 12:42	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 13:27	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/27/16 22:49	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 20:43	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:17	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI
Total/NA	Prep	7.3.3			312915	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9012		1	313014	07/26/16 12:15	LAW	TAL BUF
Total/NA	Prep	7.3.4			312920	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9034		1	313016	07/26/16 14:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018WC003000XX — Lab Sample ID: 480-103449-49

Date Collected: 07/19/16 16:25 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 87.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		10	312544	07/22/16 21:39	JMO	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018WC004000XX
Date Collected: 07/19/16 17:00
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312774	07/25/16 12:44	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 13:08	LMW	TAL BUF
TCLP	Leach	1311			312774	07/25/16 12:44	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 13:47	MAN	TAL BUF
TCLP	Leach	1311			312774	07/25/16 12:44	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/27/16 23:49	JMO	TAL BUF
TCLP	Leach	1311			312774	07/25/16 12:44	JLS	TAL BUF
TCLP	Prep	3010A			312945	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 19:38	TRB	TAL BUF
TCLP	Leach	1311			312774	07/25/16 12:44	JLS	TAL BUF
TCLP	Prep	7470A			312948	07/26/16 11:20	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 14:55	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI
Total/NA	Prep	7.3.3			312915	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9012		1	313014	07/26/16 12:15	LAW	TAL BUF
Total/NA	Prep	7.3.4			312920	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9034		1	313016	07/26/16 14:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018WC004000XX
Date Collected: 07/19/16 17:00
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-50
Matrix: Solid
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		1	312544	07/22/16 21:55	JMO	TAL BUF

Client Sample ID: 819018WC005000XX
Date Collected: 07/19/16 15:35
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 13:34	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 14:06	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018WC005000XX — Lab Sample ID: 480-103449-51

Date Collected: 07/19/16 15:35 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Analysis	8151		1	313259	07/28/16 00:19	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 20:47	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:19	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI
Total/NA	Prep	7.3.3			312915	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9012		1	313014	07/26/16 12:15	LAW	TAL BUF
Total/NA	Prep	7.3.4			312920	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9034		1	313016	07/26/16 14:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018WC005000XX — Lab Sample ID: 480-103449-51

Date Collected: 07/19/16 15:35 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 86.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		10	312544	07/22/16 22:11	JMO	TAL BUF

Client Sample ID: 819018WC006000XX — Lab Sample ID: 480-103449-52

Date Collected: 07/19/16 12:55 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 14:01	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 14:26	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/28/16 00:49	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 21:06	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:27	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7.3.3			312915	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9012		1	313014	07/26/16 12:15	LAW	TAL BUF
Total/NA	Prep	7.3.4			312920	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9034		1	313016	07/26/16 14:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018WC006000XX

Lab Sample ID: 480-103449-52

Date Collected: 07/19/16 12:55
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		2	312544	07/22/16 22:27	JMO	TAL BUF

Client Sample ID: 819018WC07A000XX

Lab Sample ID: 480-103449-53

Date Collected: 07/19/16 13:45
Matrix: Solid
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 14:27	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 14:46	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/28/16 01:19	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 21:10	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:29	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI
Total/NA	Prep	7.3.3			312915	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9012		1	313014	07/26/16 12:15	LAW	TAL BUF
Total/NA	Prep	7.3.4			312920	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9034		1	313016	07/26/16 14:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018WC07A000XX — Lab Sample ID: 480-103449-53

Date Collected: 07/19/16 13:45 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 91.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		5	312544	07/22/16 22:43	JMO	TAL BUF

Client Sample ID: 819018WC07B000XX — Lab Sample ID: 480-103449-54

Date Collected: 07/19/16 13:50 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 14:53	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 15:05	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/28/16 01:49	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 21:13	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:30	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI
Total/NA	Prep	7.3.3			312915	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9012		1	313014	07/26/16 12:15	LAW	TAL BUF
Total/NA	Prep	7.3.4			312920	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9034		1	313016	07/26/16 14:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018WC07B000XX — Lab Sample ID: 480-103449-54

Date Collected: 07/19/16 13:50 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 84.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		5	312544	07/22/16 22:59	JMO	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018WC008000XX — Lab Sample ID: 480-103449-55

Date Collected: 07/19/16 14:40 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 15:19	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 15:25	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/28/16 02:18	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 21:28	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:32	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI
Total/NA	Prep	7.3.3			312915	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9012		1	313014	07/26/16 12:15	LAW	TAL BUF
Total/NA	Prep	7.3.4			312920	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9034		1	313016	07/26/16 14:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018WC008000XX — Lab Sample ID: 480-103449-55

Date Collected: 07/19/16 14:40 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 96.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		5	312544	07/22/16 23:15	JMO	TAL BUF

Client Sample ID: 819018WC009000XX — Lab Sample ID: 480-103449-56

Date Collected: 07/19/16 11:55 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 15:45	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 15:44	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018WC009000XX
Date Collected: 07/19/16 11:55
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-56
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Analysis	8151		1	313259	07/28/16 02:48	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 21:32	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:38	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI
Total/NA	Prep	7.3.3			312915	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9012		1	313014	07/26/16 12:15	LAW	TAL BUF
Total/NA	Prep	7.3.4			312920	07/26/16 02:40	LAW	TAL BUF
Total/NA	Analysis	9034		1	313016	07/26/16 14:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018WC009000XX
Date Collected: 07/19/16 11:55
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-56
Matrix: Solid
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		5	312544	07/22/16 23:31	JMO	TAL BUF

Client Sample ID: 819018WC010000XX
Date Collected: 07/19/16 11:20
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-57
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 16:11	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 16:04	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/28/16 03:18	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 21:35	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:40	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7.3.3			313292	07/28/16 02:45	LAW	TAL BUF
Total/NA	Analysis	9012		1	313404	07/28/16 10:54	LAW	TAL BUF
Total/NA	Prep	7.3.4			313293	07/28/16 02:45	LAW	TAL BUF
Total/NA	Analysis	9034		1	313433	07/28/16 11:45	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018WC010000XX

Lab Sample ID: 480-103449-57

Date Collected: 07/19/16 11:20
Matrix: Solid
Date Received: 07/21/16 09:30
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		5	312544	07/22/16 23:47	JMO	TAL BUF

Client Sample ID: 819018WC11A000XX

Lab Sample ID: 480-103449-58

Date Collected: 07/19/16 10:05
Matrix: Solid
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 16:37	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 16:24	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/28/16 03:48	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 21:39	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:42	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI
Total/NA	Prep	7.3.3			313292	07/28/16 02:45	LAW	TAL BUF
Total/NA	Analysis	9012		1	313404	07/28/16 10:54	LAW	TAL BUF
Total/NA	Prep	7.3.4			313293	07/28/16 02:45	LAW	TAL BUF
Total/NA	Analysis	9034		1	313433	07/28/16 11:45	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018WC11A000XX — Lab Sample ID: 480-103449-58

Date Collected: 07/19/16 10:05 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 84.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		5	312544	07/23/16 00:03	JMO	TAL BUF

Client Sample ID: 819018WC11B000XX — Lab Sample ID: 480-103449-59

Date Collected: 07/19/16 10:01 — **Matrix: Solid**
Date Received: 07/21/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 17:03	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 16:43	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:05	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/28/16 04:18	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 21:43	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:44	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI
Total/NA	Prep	7.3.3			313292	07/28/16 02:45	LAW	TAL BUF
Total/NA	Analysis	9012		1	313404	07/28/16 10:54	LAW	TAL BUF
Total/NA	Prep	7.3.4			313293	07/28/16 02:45	LAW	TAL BUF
Total/NA	Analysis	9034		1	313433	07/28/16 11:45	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018WC11B000XX — Lab Sample ID: 480-103449-59

Date Collected: 07/19/16 10:01 — **Matrix: Solid**
Date Received: 07/21/16 09:30 — **Percent Solids: 88.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		10	312544	07/23/16 00:19	JMO	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Client Sample ID: 819018WC012000XX
Date Collected: 07/19/16 09:05
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-60
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312924	07/26/16 10:16	ARS	TAL BUF
TCLP	Analysis	8270D		1	313093	07/27/16 17:29	LMW	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3510C			312926	07/26/16 10:26	CPH	TAL BUF
TCLP	Analysis	8081B		1	313156	07/27/16 17:03	MAN	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	8151A			312921	07/26/16 10:08	CPH	TAL BUF
TCLP	Analysis	8151		1	313259	07/28/16 05:18	JMO	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	3010A			312936	07/26/16 12:05	BAE	TAL BUF
TCLP	Analysis	6010C		1	313342	07/27/16 21:47	TRB	TAL BUF
TCLP	Leach	1311			312706	07/25/16 08:51	JLS	TAL BUF
TCLP	Prep	7470A			312949	07/26/16 12:10	JRK	TAL BUF
TCLP	Analysis	7470A		1	313075	07/26/16 15:45	JRK	TAL BUF
Total/NA	Analysis	1030		1	382313	08/01/16 10:15	YAH	TAL EDI
Total/NA	Prep	7.3.3			313292	07/28/16 02:45	LAW	TAL BUF
Total/NA	Analysis	9012		1	313404	07/28/16 10:54	LAW	TAL BUF
Total/NA	Prep	7.3.4			313293	07/28/16 02:45	LAW	TAL BUF
Total/NA	Analysis	9034		1	313433	07/28/16 11:45	LAW	TAL BUF
Total/NA	Analysis	9045D		1	312647	07/24/16 08:30	MDL	TAL BUF
Total/NA	Analysis	Moisture		1	312374	07/22/16 02:34	CSW	TAL BUF

Client Sample ID: 819018WC012000XX
Date Collected: 07/19/16 09:05
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-60
Matrix: Solid
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			312392	07/22/16 07:39	RJS	TAL BUF
Total/NA	Analysis	8082A		10	312544	07/23/16 00:35	JMO	TAL BUF

Client Sample ID: TB-01
Date Collected: 07/20/16 12:00
Date Received: 07/21/16 09:30

Lab Sample ID: 480-103449-61
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	312680	07/25/16 15:59	RRS	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Certification Summary

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8082A	3550C	Solid	Polychlorinated biphenyls, Total
9012	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: TestAmerica Edison

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0200	09-30-16
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A	12-31-16
New Jersey	NELAP	2	12028	06-30-17
New York	NELAP	2	11452	03-31-17
Pennsylvania	NELAP	3	68-00522	02-28-17
Rhode Island	State Program	1	LAO00132	12-30-16
USDA	Federal		NJCA-003-08	04-04-17

Method Summary

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Method	Method Description	Protocol	Laboratory
8260C	TCLP Volatiles	SW846	TAL BUF
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151	TCLP Herbicides	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
1030	Ignitability, Solids	SW846	TAL EDI
9012	Cyanide, Reactive	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9045D	pH	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-103449-1	819018SS001000XX	Solid	07/20/16 08:30	07/21/16 09:30
480-103449-2	819018SS002000XX	Solid	07/20/16 08:35	07/21/16 09:30
480-103449-3	819018SS003000XX	Solid	07/20/16 08:45	07/21/16 09:30
480-103449-4	819018SS004000XX	Solid	07/20/16 09:10	07/21/16 09:30
480-103449-5	819018SS005000XX	Solid	07/20/16 09:15	07/21/16 09:30
480-103449-6	819018SS006000XX	Solid	07/20/16 09:20	07/21/16 09:30
480-103449-7	819018SS007000XX	Solid	07/20/16 09:25	07/21/16 09:30
480-103449-8	819018SS008000XX	Solid	07/20/16 09:30	07/21/16 09:30
480-103449-9	819018SS009000XX	Solid	07/20/16 09:35	07/21/16 09:30
480-103449-10	819018SS010000XX	Solid	07/19/16 16:05	07/21/16 09:30
480-103449-11	819018SS011000XX	Solid	07/19/16 16:10	07/21/16 09:30
480-103449-12	819018SS012000XX	Solid	07/19/16 16:15	07/21/16 09:30
480-103449-13	819018SS013000XX	Solid	07/19/16 16:20	07/21/16 09:30
480-103449-14	819018SS014000XX	Solid	07/19/16 16:50	07/21/16 09:30
480-103449-15	819018SS015000XX	Solid	07/19/16 16:55	07/21/16 09:30
480-103449-16	819018SS016000XX	Solid	07/19/16 15:25	07/21/16 09:30
480-103449-17	819018SS017000XX	Solid	07/19/16 15:30	07/21/16 09:30
480-103449-18	819018SS018000XX	Solid	07/19/16 12:50	07/21/16 09:30
480-103449-19	819018SS019000XX	Solid	07/19/16 13:20	07/21/16 09:30
480-103449-20	819018SS020000XX	Solid	07/19/16 13:25	07/21/16 09:30
480-103449-21	819018SS021000XX	Solid	07/19/16 13:30	07/21/16 09:30
480-103449-22	819018SS022000XX	Solid	07/19/16 13:35	07/21/16 09:30
480-103449-23	819018SS023000XX	Solid	07/19/16 13:40	07/21/16 09:30
480-103449-24	819018SS024000XX	Solid	07/19/16 14:30	07/21/16 09:30
480-103449-25	819018SS025000XX	Solid	07/19/16 14:35	07/21/16 09:30
480-103449-26	819018SS026000XX	Solid	07/19/16 11:40	07/21/16 09:30
480-103449-27	819018SS027000XX	Solid	07/19/16 11:45	07/21/16 09:30
480-103449-28	819018SS028000XX	Solid	07/19/16 11:50	07/21/16 09:30
480-103449-29	819018SS029000XX	Solid	07/19/16 11:05	07/21/16 09:30
480-103449-30	819018SS030000XX	Solid	07/19/16 11:10	07/21/16 09:30
480-103449-31	819018SS031000XX	Solid	07/19/16 11:15	07/21/16 09:30
480-103449-32	819018SS032000XX	Solid	07/19/16 09:40	07/21/16 09:30
480-103449-33	819018SS033000XX	Solid	07/19/16 09:45	07/21/16 09:30
480-103449-34	819018SS034000XX	Solid	07/19/16 09:50	07/21/16 09:30
480-103449-35	819018SS035000XX	Solid	07/19/16 09:55	07/21/16 09:30
480-103449-36	819018SS036000XX	Solid	07/19/16 10:00	07/21/16 09:30
480-103449-37	819018SS037000XX	Solid	07/19/16 08:55	07/21/16 09:30
480-103449-38	819018SS038000XX	Solid	07/19/16 09:00	07/21/16 09:30
480-103449-39	819018SS039000XX	Solid	07/20/16 10:00	07/21/16 09:30
480-103449-40	819018SS040000XX	Solid	07/20/16 10:05	07/21/16 09:30
480-103449-41	819018SS041000XX	Solid	07/20/16 10:10	07/21/16 09:30
480-103449-42	819018SS042000XX	Solid	07/20/16 10:15	07/21/16 09:30
480-103449-43	819018SS043000XX	Solid	07/20/16 10:20	07/21/16 09:30
480-103449-44	819018SS044000XX	Solid	07/20/16 10:25	07/21/16 09:30
480-103449-45	819018SS045000XX	Solid	07/20/16 10:30	07/21/16 09:30
480-103449-46	819018WC001000XX	Solid	07/20/16 08:40	07/21/16 09:30
480-103449-47	819018WC02A000XX	Solid	07/20/16 09:00	07/21/16 09:30
480-103449-48	819018WC02B000XX	Solid	07/20/16 09:05	07/21/16 09:30
480-103449-49	819018WC003000XX	Solid	07/19/16 16:25	07/21/16 09:30
480-103449-50	819018WC004000XX	Solid	07/19/16 17:00	07/21/16 09:30
480-103449-51	819018WC005000XX	Solid	07/19/16 15:35	07/21/16 09:30
480-103449-52	819018WC006000XX	Solid	07/19/16 12:55	07/21/16 09:30
480-103449-53	819018WC07A000XX	Solid	07/19/16 13:45	07/21/16 09:30

Sample Summary

Client: New York State D.E.C.
Project/Site: Batavia Iron & Metal #819018

TestAmerica Job ID: 480-103449-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-103449-54	819018WC07B000XX	Solid	07/19/16 13:50	07/21/16 09:30
480-103449-55	819018WC008000XX	Solid	07/19/16 14:40	07/21/16 09:30
480-103449-56	819018WC009000XX	Solid	07/19/16 11:55	07/21/16 09:30
480-103449-57	819018WC010000XX	Solid	07/19/16 11:20	07/21/16 09:30
480-103449-58	819018WC11A000XX	Solid	07/19/16 10:05	07/21/16 09:30
480-103449-59	819018WC11B000XX	Solid	07/19/16 10:01	07/21/16 09:30
480-103449-60	819018WC012000XX	Solid	07/19/16 09:05	07/21/16 09:30
480-103449-61	TB-01	Water	07/20/16 12:00	07/21/16 09:30

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAn
THE LEADER IN ENVIR

480-103449 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Amec Foster Wheeler	Mark Stelmack	07/20/16	295043
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 4**
511 Congress St.	207-829-3200		
City / **State** / **Zip Code**	**Site Contact** / **Lab Contact**		
Portland / ME / 04101	Dylan Farrell		
Project Name and Location (State)	**Carrier/Waybill Number**		
Batavia Iron and Metal			
Contract/Purchase Order/Quote No.			
contact Julie.Ricardi@amecfw.com			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260 c. TCLP VOC	1030 - Ignitability	9034, 9012, 9045D	8082A, 8081B, 8270D, 8151A, 7470A, 6010C	80824	Special Instructions/ Conditions of Receipt
8190185500100 0XX	07/20/16	0820				X	X						X					3 oz container to be sampled for - 8082A - 8081B - 8270D - 8151A - 7470A - 6010C one 4 oz. container per each TCLP VOC sample
8190185500200 0XY	07/20/16	0835				X	X											
8190185500300 0XY	07/20/16	0845				X	X											
8190185500400 0XY	11	0910				X	X											
8190185500500 0XY	11	0915																
8190185500600 0XY	11	0920																
8190185500700 0XY	11	0925																
8190185500800 0XY	11	0930																
8190185500900 0XY	11	0935																
8190185501000 XY	07/19/16	1605																
8190185501100 0XX	07/19/16	1610																
8190185501200 0XY	07/19/16	1615																

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8/15/2016

Possible Hazard Identification

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal

☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
Dylan Farrell 07/20/16 1730	07/20/16	1730		7/21/16	0930
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments

#1 4.0; 4.4; 3.8; 4.2

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Amec Foster Wheeler	Mark Stelmack	07/20/16	295044
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 4**
511 Congress St.	207 828 3200		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Portland / ME / 04101	Dylan Farrell		
Project Name and Location (State)	**Carrier/Waybill Number**		
Batavia Iron and Metal			
Contract/Purchase Order/Quote No.			
contact Julie.Ricardi@amecfw.com			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260C TCLP VOC
B190185 SS013 000 XX	07/19/16	1620			X		X						X
" SS014 " "	"	1650											
" SS015 " "	"	1655											
" SS016 " "	"	1525											
" SS017 " "	"	1530											
" SS018 " "	"	1250											
" SS019 " "	"	1320											
" SS020 " "	"	1325											
" SS021 " "	"	1330											
" SS022 " "	"	1335											
" SS023 " "	"	1340											
" SS024 " "	"	1430											

Special Instructions/ Conditions of Receipt

one 4oz. container per each TCLP VOC sample

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Dylan Farrell 07/20/16 1730	07/20/16	1730	1. Received By: [signature]	7/21/16	0930
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

#1 4.2, 4.0, 3.8, 4.4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

8/15/2016

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Amec Foster Wheeler	Mark Stolmacn	07/20/16	295045
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 3 of 4**
511 Congress St	207 828 3200		
City	**State**	**Zip Code**	**Site Contact**	**Lab Contact**
Portand ME	ME	04101	Dylan Farrell	
Project Name and Location (State)	**Carrier/Waybill Number**	
Batavia Iron + Metal		
Contract/Purchase Order/Quote No.	
Contact Julie.Ricard@amecfw.com	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCLP VOC 8260	Total PCB 8082	Special Instructions/ Conditions of Receipt
819018, SS025, 000, XX	07/19/16	1455				X	1						X		
" SS026 " "	07/19/16	1140				X	1						X		
" SS027 " "	07/19/16	1145				X	1						X		
" SS028 " "	"	1150				X	1						X		
" SS029 " "	"	1105				X	1						X		
" SS030 " "	"	1110											X		
" SS031 " "	"	1115													
" SS032 " "	"	0940													
" SS033 " "	"	0945													0945
" SS034 " "	"	0950													
" SS035 " "	"	0955													
" SS036 " "	"	1000													
" SS037 " "	"	0855													
" SS038 " "	"	0900											X		
" SS039 " "	07/20/16	1000												X	
" SS040 " "	"	1005												X	
" SS041 " "	"	1010												X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Dylan Farrell	07/20/16	1730	1. Received By	7/21/16	0930
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

#1 4.0, 4.4, 3.8, 4.2

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

8/15/2016

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Amec Foster Wheeler	Mark Stolmack	07/20/16	295046
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 4 of 4**
511 congress st.	207 828 3200		
City	**State** / **Zip Code**	**Site Contact**	**Lab Contact**
Portland	ME / 04101	Dylan Farrell	
Project Name and Location (State)	**Carrier/Waybill Number**		
Batavia Iron and Metal			
Contract/Purchase Order/Quote No.			
contact Julie.Rickert@amecfw.com			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Total PCB 8082	1030-Ignit.	9034, 9012, 9045D	8260B, 8081B	8270D, 8151A	7470A, 6010C	Aqueous 8260 VOC	Special Instructions/ Conditions of Receipt
819018 SS042 000 XX	07/20/16	1015				X	1						X							
" SS043 " "	07/20/16	1020				X	1						X							
" SS044 " "	"	1025				X	1						X							
" SS045 " "	"	1030				X	1						X							
819018 WC001 000 XX	07/20/16	0940				X	3							X	X	X	X			-07/20/16
" WC02A " "	07/20/16	0900																		
" WC02B " "	"	0905																		
" WC003 " "	07/19/16	1625																		
" WC004 " "	"	1700																		
" WC005 " "	"	1535																		
" WC006 " "	"	1255																		
" WC07A " "	"	1345																		
" WC07B " "	"	1350																		
" WC008 " "	"	1440																		
" WC009 " "	"	1155																		
" WC010 " "	"	1120																		
" WC011A " "	"	1005																		-WC11A
" WC11B " "	"	1001																		
" WC012 " "	"	0905					2													
TB01	07/20/16	1200		X															X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Dylan Farrell	07/20/16	1730	1. Received By:	7/21/16	0930
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments
(See Note on Pg 1)
#1 4, 2, 4, 0, 3, 8, 4, 4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Project Information

Site Name	Batavia iron and Metal Company, inc.		**Sampling Dates**	Week of July 18 or August 8, 2016	
Site Address	Site No. 819018		**Shipping Address for Containers/Needed By**	To Be Determined	
PN (Analytical Work)	Call Out	**PN (Validation)**	3617137301.03	**PO #**	Call Out
AMEC Project Manager	Mark Stelmack	**Email**	mark.stelmack@amecfw.com	**Phone Number**	
AMEC Tech Lead		**Email**		**Phone Number**	
AMEC Field Op Lead	Dylan Farrell	**Email**	dylan.farrell@amecfw.com	**Phone Number**	
AMEC Chemist/Contact	Julie Ricardi	**Email**	julie.ricardi@amecfw.com	**Phone Number**	207-828-3608

Lab/Deliverable/Validation Information

Deliverable	Cat B	**TAT (full del)**	2 weeks (if no charge)		
Validation Level	None	**Rush Results**		**Rush TAT**	
Program	RD	**EDD Format**	EquisEZ (include test batch)		
Lab Name	TAL Buffalo	**Lab Address**		**Lab Contact**	Orlette Johnson
Report and Invoice to	Mark Stelmack	**RL**	NYSDEC Exhibit C	**Target List**	NYSDEC Exhibit C

RL Notes: Indoor Air-- TCE, VC, carbon tet = 0.25 ug/m3 (else 1 ug/m3); Subslab = 3 ug/m3. VOCs-- AQ RL = 1.0 ug/L, MeOH = 50 ug/kg

Comments:

Analytical Parameters

# Samples[1]	Parameters [2, 4, 5]	Matrix [3]	Comments/Primary Site Contaminants/Other
40	TCLP VOC	Soil/debris	38 samples for TCLP VOCs plus 2 sets of trip blanks; freeze or extract w/in 48hr of sampling
15	Waste Char-see right	Soil/debris	15 samples for TCLP SVOC/Metals/Pests/Herbs; Total PCBs; Ignitabillyt; Corrosivity;
			and Reactivity -- Use Method 1030 for ignitability
			SEE ATTACHED TABLE 1 SHEET FOR MORE INFORMATION

1 Include field blanks, trip blanks, MS/MSD, field dups in count

2 Anions - list in Comments section as applicable: Chloride, Floride, Sulfate, Sulfite, Nitrate, Nitrite

3 Indoor air sampling = 24 hr sample collection; Subslab = 8 hr sample collection

Requests for MNA and/or Waste Characterization parameters include what is noted below unless otherwise specified --

4 MNA: RSK-175 MEE, RSK-175 CO_2, TOC, Alkalinity, Chloride, Sulfate, Nitrate/Nitrite, Fe, Mn, Sulfide

5 WC: FULL TCLP, Ignitability, Reactive Sulfide, Reactive cyandie, pH/Corrosivity, PCB

Notes:

Project Information

Site Name	Batavia iron and Metal Company, Inc.		**Sampling Dates**	Week of July 18 or August 8, 2016	
Site Address	Site No. 819018		**Shipping Address for Containers/Needed By**	To Be Determined	
PN (Analytical Work)	Call Out	**PN (Validation)**	3617137301.03	**PO #**	Call Out
AMEC Project Manager	Mark Stelmack	**Email**	mark.stelmack@amecfw.com	**Phone Number**	
AMEC Tech Lead		**Email**		**Phone Number**	
AMEC Field Op Lead	Dylan Farrell	**Email**	dylan.farrell@amecfw.com	**Phone Number**	
AMEC Chemist/Contact	Julie Ricardi	**Email**	julie.ricardi@amecfw.com	**Phone Number**	207-828-3608

Lab/Deliverable/Validation Information

Deliverable	Cat B	**TAT (full del)**	2 weeks (if no charge)		
Validation Level	Cat A Validation	**Rush Results**		**Rush TAT**	
Program	RD	**EDD Format**	EquisEZ (include test batch)		
Lab Name	TAL Buffalo	**Lab Address**		**Lab Contact**	Orlette Johnson
Report and Invoice to	Mark Stelmack	**RL**	NYSDEC Exhibit C	**Target List**	NYSDEC Exhibit C

RL Notes: Indoor Air-- TCE, VC, carbon tet = 0.25 ug/m3 (else 1 ug/m3); Subslab = 3 ug/m3. VOCs-- AQ RL = 1.0 ug/L, MeOH = 50 ug/kg

Comments:

Analytical Parameters

# Samples[1]	Parameters [2, 4, 5]	Matrix [3]	Comments/Primary Site Contaminants/Other
9	PCB	Soil	SEE ATTACHED TABLE 3 SHEET FOR MORE INFORMATION

1 Include field blanks, trip blanks, MS/MSD, field dups in count

2 Anions - list in Comments section as applicable: Chloride, Floride, Sulfate, Sulfite, Nitrate, Nitrite

3 Indoor air sampling = 24 hr sample collection; Subslab = 8 hr sample collection

Requests for MNA and/or Waste Characterization parameters include what is noted below unless otherwise specified --

4 MNA: RSK-175 MEE, RSK-175 CO_2, TOC, Alkalinity, Chloride, Sulfate, Nitrate/Nitrite, Fe, Mn, Sulfide

5 WC: FULL TCLP, Ignitability, Reactive Sulfide, Reactive cyandie, pH/Corrosivity, PCB

Notes:

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

8/15/2016

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-30343.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-103449-1
Address: 777 New Durham Road,	Due Date Requested: 8/2/2016			Preservation Codes:
City: Edison	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: Batavia Iron & Metal #819018	Project #: 48008724			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1030	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
819018WC001000XX (480-103449-46)	7/20/16	08:40 Eastern		Solid			X	1	
819018WC02A000XX (480-103449-47)	7/20/16	09:00 Eastern		Solid			X	1	
819018WC02B000XX (480-103449-48)	7/20/16	09:05 Eastern		Solid			X	1	
819018WC003000XX (480-103449-49)	7/19/16	16:25 Eastern		Solid			X	1	
819018WC004000XX (480-103449-50)	7/19/16	17:00 Eastern		Solid			X	1	
819018WC005000XX (480-103449-51)	7/19/16	15:35 Eastern		Solid			X	1	
819018WC006000XX (480-103449-52)	7/19/16	12:55 Eastern		Solid			X	1	
819018WC07A000XX (480-103449-53)	7/19/16	13:45 Eastern		Solid			X	1	
819018WC07B000XX (480-103449-54)	7/19/16	13:50 Eastern		Solid			X	1	
819018WC008000XX (480-103449-55)	7/19/16	14:40 Eastern		Solid			X	1	
819018WC009000XX (480-103449-56)	7/19/16	11:55 Eastern		Solid			X	1	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Orlette	Date/Time: 7/21/16 1700	Company: TAB	Received by: Alex Acierno Fedex
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Date/Time: 7-22-16 9:10	Company: TA
Date/Time:	Company
Date/Time:	Company

CS# 693619, 693620 #7 0.9c 21.0c 693620 NO ice

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

8/15/2016

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-30343.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.com		Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 480-103449-1
Address: 777 New Durham Road,	Due Date Requested: 8/2/2016			Preservation Codes:
City: Edison	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NJ, 08817				
Phone: 732-549-3900(Tel) 732-549-3679(Fax)	PO #:			Other:
Email:	WO #:			
Project Name: Batavia Iron & Metal #819018	Project #: 48008724			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1030	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
819018WC010000XX (480-103449-57)	7/19/16	11:20 Eastern		Solid			X	1	
819018WC011A000XX (480-103449-58)	7/19/16	10:05 Eastern		Solid			X	1	
819018WC011B000XX (480-103449-59)	7/19/16	10:01 Eastern		Solid			X	1	
819018WC012000XX (480-103449-60)	7/19/16	09:05 Eastern		Solid			X	1	

Possible Hazard Identification
Unconfirmed

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	7/21/16 1900	DAF	Alex Acierno Fedex	7-22-16 9:10	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 693619, 693621

Cooler Temperature(s) °C and Other Remarks: #1 0.9°C 21.0°C 693620 NO ICe

[signature]

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-103449-1

Login Number: 103449
List Number: 1
Creator: Kolb, Chris M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AMEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-103449-1

Login Number: 103449
List Number: 2
Creator: Villadarez, Gerson Timothy S

List Source: TestAmerica Edison
List Creation: 07/22/16 11:29 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	693619
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.9°C IR #7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-103449-1

Login Number: 103449
List Number: 3
Creator: Armbruster, Chris

List Source: TestAmerica Edison
List Creation: 08/03/16 01:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT 3

ASBESTOS CONTAINING MATERIAL SURVEY

TARGETED ASBESTOS CONTAINING MATERIALS SURVEY

FOR THE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BATAVIA IRON AND METAL (NYSDEC Site 819018)
BATAVIA, NEW YORK

Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7017

Prepared by:

Amec Foster Wheeler Environment & Infrastructure, Inc.
Hillcrest I
751 Arbor Way
Suite 180
Blue Bell, Pennsylvania 19422

Amec Foster Wheeler Project No. 3617137301

11 November 2016

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APPENDICES

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1.0 Introduction

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) is pleased to submit this report to the New York State Department of Environmental Conservation (NYSDEC) for the asbestos-containing materials survey performed on the twelve (12) waste piles located at 301 Bank Street, Batavia, Genesee County, New York. A map depicting the location of the site and associated buildings are depicted on **Figure 1**.

The asbestos inspection was performed on August 15 and 16, 2016 by an AHERA Accredited Building Inspector and State of New York-Licensed Asbestos Inspector, in accordance with the Environmental Protection Agency (EPA) and Asbestos Hazard Emergency Response Act (AHERA) asbestos inspection protocol and American Society for Testing and Materials (ASTM) E2356-04 *Standard Practice for Comprehensive Building Asbestos Surveys*. As part of the scope, the asbestos inspection included:

- Visual inspection of the 12 debris pile to identify suspected asbestos containing material (ACM);
- Identification of homogeneous areas of suspect ACM within the individual piles;
- Assessing the quantity and condition of each homogeneous area;
- Collection of the appropriate number of samples in accordance with the inspection protocol based on the quantity of material observed.

Photographic documentation of the debris piles and the observed suspected asbestos-containing materials in them is presented in **Appendix A.**

2.0 Scope of Work

Amec Foster Wheeler performed the following activities to meet the objective of this project.

- Prepared a site-specific job safety analysis to provide procedures to be followed to protect onsite personnel.

- Provided an AHERA Accredited and State of New York-Licensed Asbestos Inspector to perform the asbestos investigation. Amec Foster Wheeler performed the asbestos inspection in general accordance with AHERA and ASTM asbestos inspection protocol.

- Conducted a visual inspection of the subject project areas to identify and document the extent of the potential asbestos-containing materials, if present, in the waste piles and in the immediate surrounding areas. Amec Foster Wheeler then collected the appropriate number of samples based on the quantity of material observed.

- Submitted the suspected asbestos-containing materials samples for bulk asbestos analysis using Polarized Light Microscopy (PLM) via the New York State Environmental Laboratory Accreditation Program (ELAP) Method 198.6 first. If laboratory results for NOBs were reported as being negative or inconclusive for the presence of asbestos fibers, Transmission Electron Microscopy (TEM) analysis via the New York State ELAP

Method 198.4 was performed on each negative/inconclusive sample to confirm the absence of ACM. Other suspected ACM"s (i.e., gypsum wallboard with joint compound, pipe insulation, etc.) were analyzed by PLM analysis via the New York State ELAP Method 198.1**.**

- Analyzed the samples on a 3-day turnaround time basis. Amec Foster Wheeler collected 42 bulk samples for analysis.
- Took photographs documenting the location of suspected asbestos-containing materials.
- Prepared this report documenting the findings.

3.0 Asbestos Inspection Procedures and Results

3.1 Asbestos Inspection Procedures

The asbestos inspection was performed in accordance with the EPA/AHERA asbestos inspection protocols and the ASTM E2356-04 *Standard Practice for Comprehensive Building Asbestos Surveys* by a State of New York Department of Labor Licensed Asbestos Building Inspector.

The general procedures performed during the asbestos inspection were as follows:

1) Conducted a visual inspection of the subject project areas to identify and document the extent of the potential asbestos-containing materials, if present, within the waste piles.
2) Segregated suspected ACM into homogenous areas in their individual waste piles.
3) Identified sampling locations and collected samples. Each sample was sealed in an air tight container and labeled.
4) Sample IDs were assigned accordingly: P# - # - #
   - P# (Waste Pile #) - # (Homogeneous Area Number) - # (Sample Number)
5) General photographs of each area and sample location were taken. The photographic log is included in **Appendix A**.
6) Data from each sample was recorded on a Chain-of-Custody form.
7) Bulk samples were sent to AMA Analytical Services, Inc. in Lanham, MD for bulk asbestos analysis. Bulk samples were analyzed by Polarized Light Microscopy (PLM) via the New York State Environmental Laboratory Accreditation Program (ELAP) Method 198.6 first. If laboratory results for NOBs were reported as being negative or inconclusive for the presence of asbestos fibers, Transmission Electron Microscopy (TEM) analysis via the New York State ELAP Method 198.4 was performed on each negative/inconclusive sample to confirm the absence of ACM. Other suspected ACM"s (i.e., gypsum wallboard with joint compound, pipe insulation, etc.) were analyzed by

PLM analysis via the New York State ELAP Method 198.1The laboratory analytical report is included as **Appendix B**. **Table 1** below provides sample analysis results for positively identified ACM.

3.2 Asbestos Inspection Results

Amec Foster Wheeler conducted visual surveys of the 12 waste piles located at 301 Bank Street in Batavia, New York. Seven (7) of the 12 waste piles surveyed were without observable ACM's. Thirteen (13) homogeneous areas were identified over the remaining five (5) piles. A fourteenth (14) homogeneous area was identified in a block building located north of the main site structure and just west of the south end of Pile 12.

ACM sample locations with analysis results are provided in **Figure 2**. **Figure 3** indicates the general areas over which laboratory analysis indicates the presence of ACM's. Included on **Figure 3** are areas where laboratory analysis indicated trace amounts, less than one percent (<1%), of ACM detected.

Table 1, below, summarizes the locations, condition and quantity of the materials, and the laboratory analytical results. The EPA, Occupational Health and Safety Administration (OSHA), and NYSDEC each designate materials containing greater than one percent (≥1%) asbestos by weight to be "asbestos-containing". Materials analyzed to have an asbestos content of ≥1% are indicated by the PLM or TEM content amount in **bold.** Samples that were analyzed to contain trace amounts (<1%) of asbestos are indicated by TR, but are not in bold font as they do not meet the regulatory definition of ACM (i.e. ≥1%).

Due to the nature of the site conditions at the time of the survey, observed material quantities are considered estimates only. Additional ACM may be buried under other non-asbestos-containing debris

TABLE 1
Summary of Identified Asbestos Containing Material
NYSDEC Batavia Iron and Metal Recycling
Batavia, New York

Waste Area/Pile	Homogeneous Area	Sample ID	Locations	Material	Condition/ Friability	Quantity*	Asbestos Content by PLM (%)	Asbestos Content by TEM (%)	Total Asbestos Content (%)	Asbestos Type
Secondary Building (SB)										
Secondary Building	SB1	SB1-1	Secondary cinder block north of main building	Gray with black stripe, rolled and in pieces, woven cloth	Fair/Non-Friable	~50 ft^2	TR	TR	TR	Chrysotile
		SB1-2					NAD			
		SB1-3					NAD			
Pile 2										
2	P2-1	P2-1-1	Material mixed in with cinderblock and wood throughout rubble pile	Black tar roofing material	Poor/Non-Friable	~500 ft^2	TR	TR	TR	Chrysotile
		P2-1-2					TR			
		P2-1-3					NAD			
	P2-2	P2-2-1	Material found in south west portion of rubble pile	Light Gray (with black mastic material) transite shingle pieces	Poor/Non-friable	~2 ft^2	**5.7**	N/A	**5.7**	Chrysotile
		P2-2-2 Gray					**2.9**	N/A	**2.9**	
		P2-2-2 Black					TR	**15**	**15**	
		P2-2-3 Gray					**3**	N/A	**3**	
		P2-2-2 Black					NAD	**1.1**	**1.1**	
Pile 7										
7	P7-1	P7-1-1	Off of eastern corner of rubble pile 7, near monitoring well	Black tar roofing material	Poor/Non-friable	~30 ft^2	TR	**1.4**	**1.4**	Chrysotile
		P7-1-2					NAD	TR	TR	
		P7-1-3					NAD	TR	TR	
	P7-2	P7-2-1	At eastern tip of rubble pile		Poor/non-friable	~100 ft^2	NAD	TR	TR	Chrysotile
		P7-2-2					NAD	NAD	NAD	N/A

Waste Area/Pile	Homogeneous Area	Sample ID	Locations	Material	Condition/ Friability	Quantity*	Asbestos Content by PLM (%)	Asbestos Content by TEM (%)	Total Asbestos Content (%)	Asbestos Type
		P7-2-3		Various color shingles and tar paper			NAD	NAD	NAD	N/A
7	P7-3	P7-3-1 FT	Northwest corner of rubble pile	12”x12” White floor tile (FT) with mastic (MS)	Poor/non-friable	10 ft^2	TR	**14**	**14**	Chrysotile
		P7-3-1 MS					NAD	**14**	**14**	
		P7-3-2 FT					TR	**13**	**13**	Chrysotile
		P7-3-2 MS					TR	**8.9**	**8.9**	
		P7-3-3 FT					TR	**13**	**13**	Chrysotile
		P7-3-3 MS					NAD	**1.6**	**1.6**	
	P7-4	P7-4-1 FT	South western corner to south central part of pile out into flat between P7 and P11	9”x9” Gray floor tile (FT) with mastic (MS)	Poor/Non-friable	~ .25 ft^2	**2.5**	N/A	**2.5**	Chrysotile
		P7-4-1 MS					NAD	TR	TR	
		P7-4-2 FT					**2**	N/A	**2**	
		P7-4-2 MS					NAD	**1.4**	**1.4**	
		P7-4-3 FT					**2**	N/A	**2**	
		P7-4-3 MS					TR	**1.1**	**1.1**	
	P7-5	P7-5-1	South central part of pile out into flat between P7 and P11	Gray composite (transite) subfloor	Poor/non-friable	~15 ft^2	**19**	N/A	**19**	Chrysotile
		P7-5-2					**11**	N/A	**11**	
		P7-5-3					**15**	N/A	**15**	
Pile 10										
10	P10-1	P10-1-1				~3 LF	NAD	NAD	NAD	Chrysotile

Waste Area/Pile	Homogeneous Area	Sample ID	Locations	Material	Condition/ Friability	Quantity*	Asbestos Content by PLM (%)	Asbestos Content by TEM (%)	Total Asbestos Content (%)	Asbestos Type
		P10-1-2	South end of P10 rubble pile	Brown paper wrap around electrical equipment pole	Good/Non-friable		NAD	TR	TR	
		P10-1-3					TR	TR	TR	
Pile 11										
11	P11-1	P11-1-1	In refrigerator in middle of rubble pile	White wall insulation in interior of refrigerator	Poor/friable	~39 ft^2	NAD	NAD	NAD	N/A
		P11-1-2					NAD	TR	TR	Chrysotile
		P11-1-3					NAD	TR	TR	Chrysotile
	P11-2	P11-2-1	Northeast corner of pile	Black roofing tar and paper material	Poor/Non-Friable	~25 ft^2	NAD	TR	TR	Chrysotile
		P11-2-2					TR	TR	TR	Chrysotile
		P11-2-3					TR	TR	TR	Chrysotile
	P11-3	P11-3-1	Refrigerator in middle of pile	Gray/brown trimming around edge of refrigerator	Poor/friable	2 ft^2	N/A[1]	N/A[1]	N/A[1]	N/A[1]
		P11-3-2								
		P11-3-3								
Pile 12										
12	P12-1	P12-1-1	South end of P12 rubble pile	White matting insulation	Poor/non-friable	~3 ft^2	NAD	TR	TR	Chrysotile
		P12-1-2					TR	TR	TR	
		P12-1-3					NAD	TR	TR	
	P12-2	P12-2-1	South end of P12 rubble pile	Dark brown composite wood material	Poor/non-friable	~1 ft^2	NAD	TR	TR	Chrysotile
		P12-2-2					NAD	TR	TR	
		P12-2-3					N/A	N/A	N/A	

Notes:

-ft^2 – feet squared
-LF – linear feet
-TR-Trace amount detected
-*Material quantities are estimates based on the nature of the site.

N/A[1]->99% of material lost during prep

Bold – Analysis results of ≥1% asbestos

NAD-No Asbestos Detected

Based on the results of the survey and the laboratory analytical results, the following homogeneous areas were identified as asbestos-containing materials containing ≥1% asbestos fibers:

- P2-2 – Light gray transite shingling pieces – ~2 ft^2– Category I Non-friable
- P7-1 - Black tar roofing material - ~30 ft^2 - Category I Non-friable
- P7-3 - 12”x12” White floor tile with mastic - ~10ft2 - Category I Non-friable
- P7-4 – 9”x9” Gray floor tile with mastic - ~25 ft^2– Category I Non-friable
- P7-5 – Gray composite (transite) subfloor - ~15 ft^2– Category I Non-friable

.

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FIGURES

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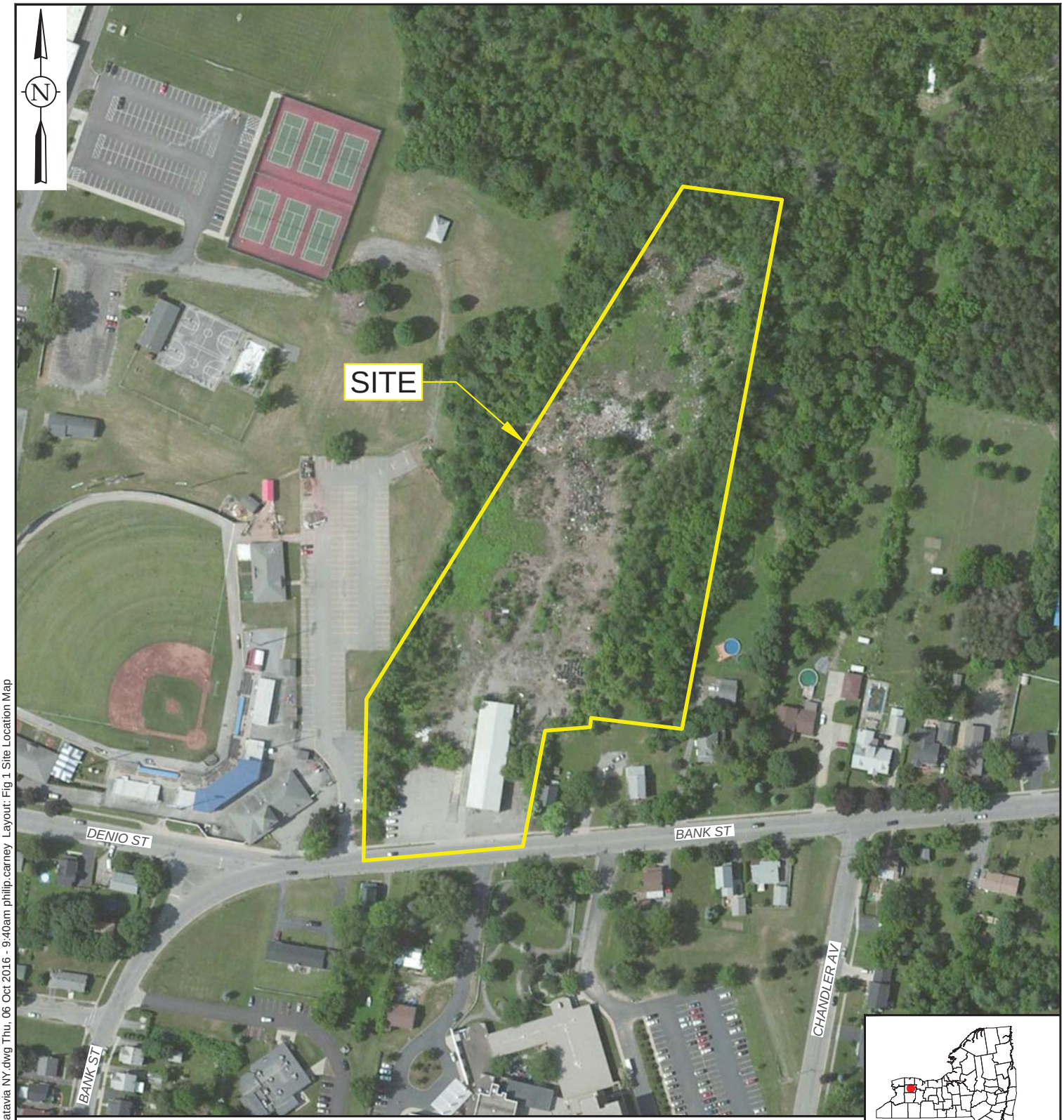

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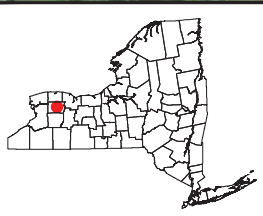
APPROXIMATE SITE BOUNDARY


SITE VICINITY

Amec Foster Wheeler
Environment & Infrastructure, Inc.
751 Arbor Way, Suite 180
Blue Bell, PA 19422
Tel. 610-828-8100
www.amecfw.com

CLIENT
New York State DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROJECT
DEBRIS PILE CHARACTERIZATION AND ASBESTOS-CONTAINING MATERIAL SURVEY
301 BANK STREET
BATAVIA, NY 14020

PROJECT NO.: 3617137301
REVISION NO.: 0
DATE: OCTOBER 2016

PROJECTION / DATUM: NY83-WF
0 100' 200'
SCALE: 1" = 200'

PREPARED BY: PJC
CHECKED BY: JRS
REVIEWED BY: BPS

TITLE
SITE LOCATION MAP

FIGURE NO.: 1

\\phl-fs1\phoffice\NYDEC\Asbestos Report\Figures\Batavia NY.dwg Thu, 06 Oct 2016 - 9:40am philip.carney Layout: Fig 1 Site Location Map

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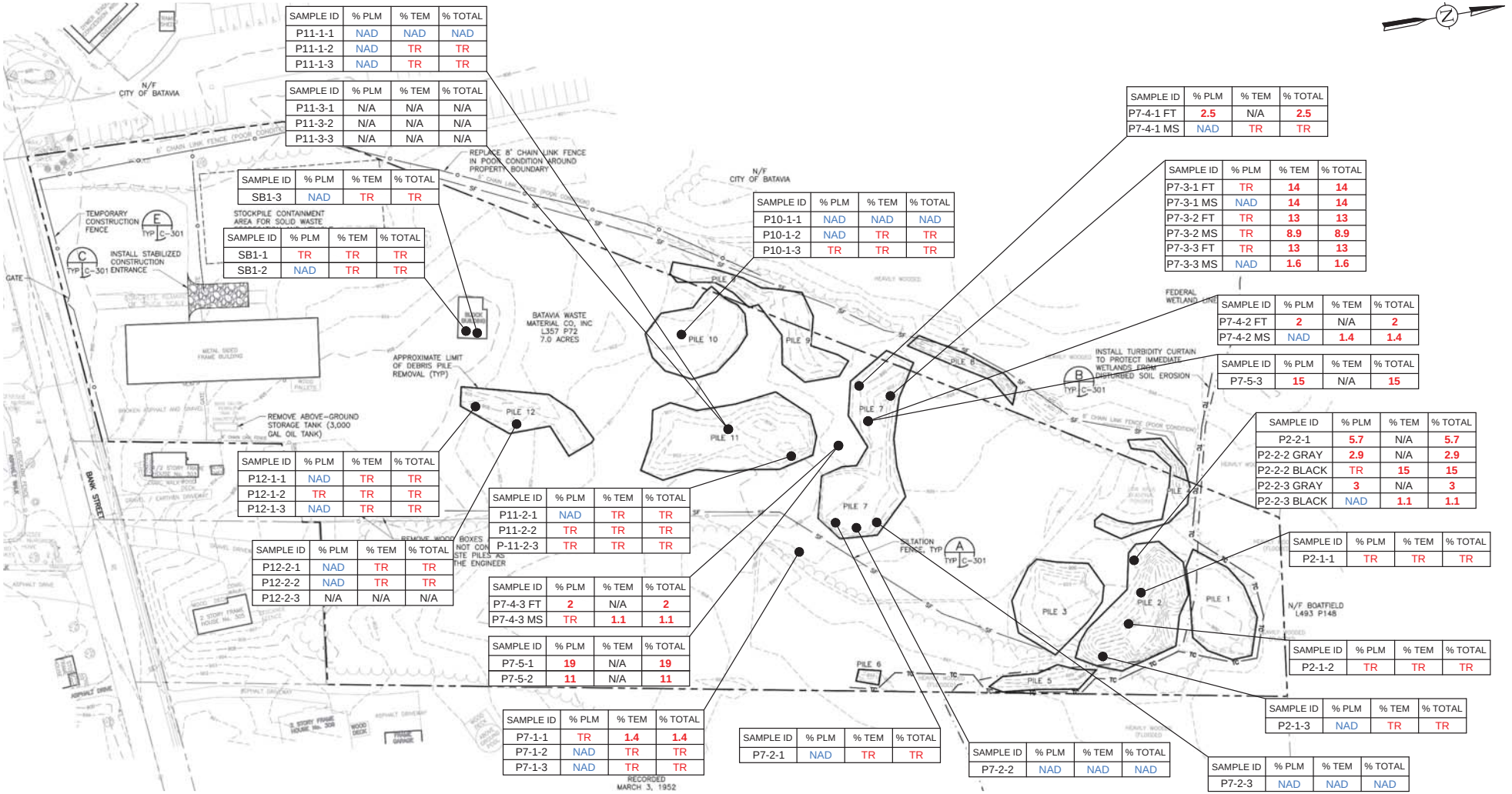


SAMPLE ID	% PLM	% TEM	% TOTAL
P11-1-1	NAD	NAD	NAD
P11-1-2	NAD	TR	TR
P11-1-3	NAD	TR	TR

SAMPLE ID	% PLM	% TEM	% TOTAL
P11-3-1	N/A	N/A	N/A
P11-3-2	N/A	N/A	N/A
P11-3-3	N/A	N/A	N/A

SAMPLE ID	% PLM	% TEM	% TOTAL
SB1-3	NAD	TR	TR

SAMPLE ID	% PLM	% TEM	% TOTAL
SB1-1	TR	TR	TR
SB1-2	NAD	TR	TR

SAMPLE ID	% PLM	% TEM	% TOTAL
P10-1-1	NAD	NAD	NAD
P10-1-2	NAD	TR	TR
P10-1-3	TR	TR	TR

SAMPLE ID	% PLM	% TEM	% TOTAL
P7-4-1 FT	2.5	N/A	2.5
P7-4-1 MS	NAD	TR	TR

SAMPLE ID	% PLM	% TEM	% TOTAL
P7-3-1 FT	TR	14	14
P7-3-1 MS	NAD	14	14
P7-3-2 FT	TR	13	13
P7-3-2 MS	TR	8.9	8.9
P7-3-3 FT	TR	13	13
P7-3-3 MS	NAD	1.6	1.6

SAMPLE ID	% PLM	% TEM	% TOTAL
P7-4-2 FT	2	N/A	2
P7-4-2 MS	NAD	1.4	1.4

SAMPLE ID	% PLM	% TEM	% TOTAL
P7-5-3	15	N/A	15

SAMPLE ID	% PLM	% TEM	% TOTAL
P2-2-1	5.7	N/A	5.7
P2-2-2 GRAY	2.9	N/A	2.9
P2-2-2 BLACK	TR	15	15
P2-2-3 GRAY	3	N/A	3
P2-2-3 BLACK	NAD	1.1	1.1

SAMPLE ID	% PLM	% TEM	% TOTAL
P2-1-1	TR	TR	TR

SAMPLE ID	% PLM	% TEM	% TOTAL
P2-1-2	TR	TR	TR

SAMPLE ID	% PLM	% TEM	% TOTAL
P2-1-3	NAD	TR	TR

SAMPLE ID	% PLM	% TEM	% TOTAL
P2-2-3	NAD	NAD	NAD

SAMPLE ID	% PLM	% TEM	% TOTAL
P7-2-2	NAD	NAD	NAD

SAMPLE ID	% PLM	% TEM	% TOTAL
P7-2-1	NAD	TR	TR

SAMPLE ID	% PLM	% TEM	% TOTAL
P12-1-1	NAD	TR	TR
P12-1-2	TR	TR	TR
P12-1-3	NAD	TR	TR

SAMPLE ID	% PLM	% TEM	% TOTAL
P12-2-1	NAD	TR	TR
P12-2-2	NAD	TR	TR
P12-2-3	N/A	N/A	N/A

SAMPLE ID	% PLM	% TEM	% TOTAL
P11-2-1	NAD	TR	TR
P11-2-2	TR	TR	TR
P-11-2-3	TR	TR	TR

SAMPLE ID	% PLM	% TEM	% TOTAL
P7-4-3 FT	2	N/A	2
P7-4-3 MS	TR	1.1	1.1

SAMPLE ID	% PLM	% TEM	% TOTAL
P7-5-1	19	N/A	19
P7-5-2	11	N/A	11

SAMPLE ID	% PLM	% TEM	% TOTAL
P7-1-1	TR	1.4	1.4
P7-1-2	NAD	TR	TR
P7-1-3	NAD	TR	TR

NOTE

ALL DETECTED ASBESTOS WAS IDENTIFIED AS CHRYSOTILE.

SOURCE

PLAN ENTITLED "SITE PLAN", PREPARED BY MACTEC ENGINEERING AND CONSULTING, PORTLAND, MAINE, DATED 12-15-2014.

LEGEND

5.7	% ASBESTOS CONTENT (> 1% ASBESTOS)
TR	TRACE ASBESTOS DETECTED (< 1% ASBESTOS)
NAD	NO ASBESTOS DETECTED
N/A	NOT APPLICABLE

Amec Foster Wheeler
Environment & Infrastructure, Inc.
751 Arbor Way, Suite 180
Blue Bell, PA 19422
Tel. 610-828-8100
www.amecfw.com

CLIENT: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROJECT: **DEBRIS PILE CHARACTERIZATION AND ASBESTOS-CONTAINING MATERIAL SURVEY**
301 BANK STREET
BATAVIA, NY 14020

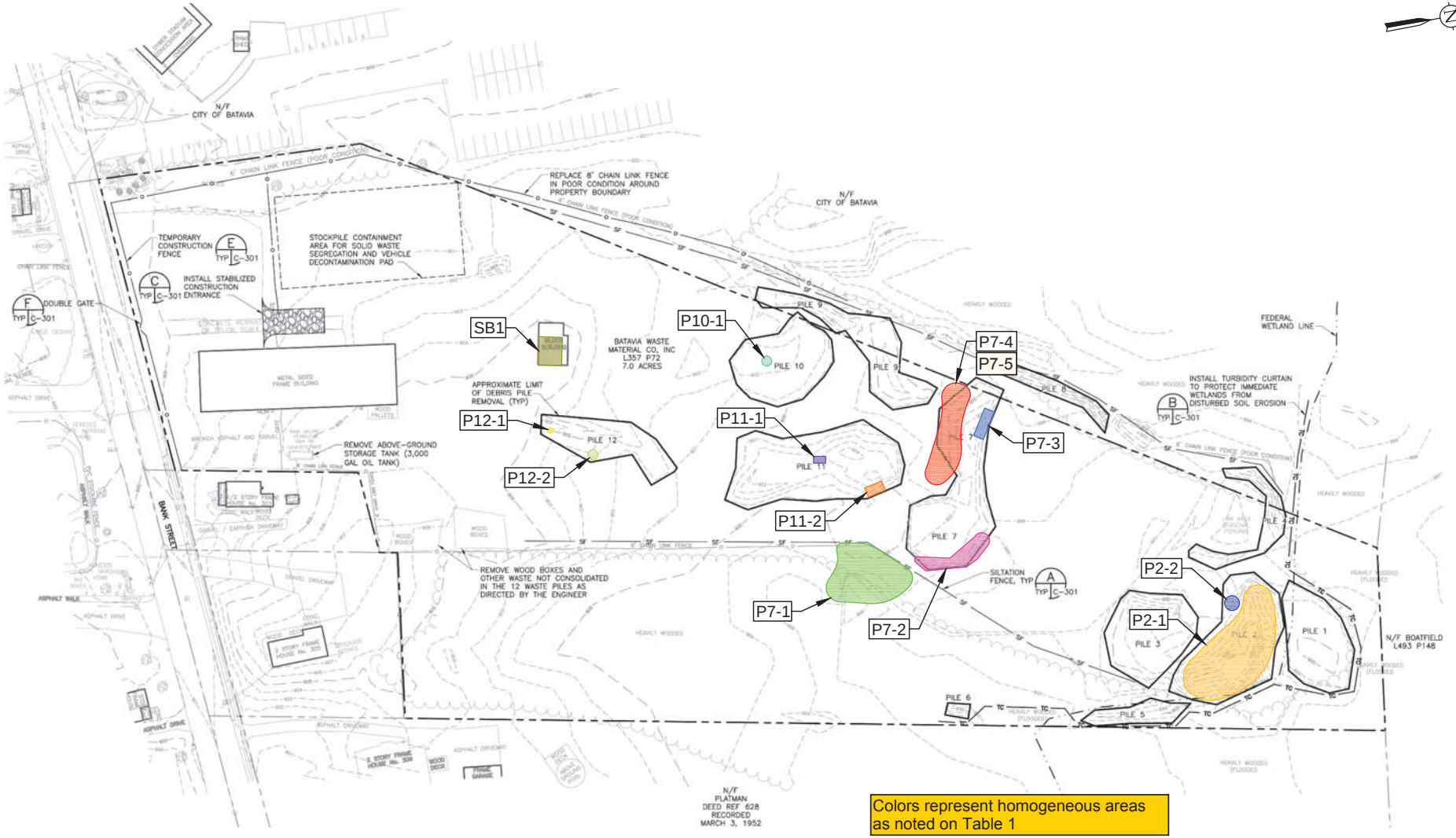
PROJECT NO.: 3617137301
REVISION NO.: 0
DATE: OCTOBER 2016

PROJECTION / DATUM: NONE
0 40' 80'
SCALE: 1" = 80'

PREPARED BY: PJC
CHECKED BY: JRS
REVIEWED BY: BPS

TITLE: ASBESTOS SAMPLE LOCATIONS WITH RESULTS

FIGURE NO.: 2



SOURCE

PLAN ENTITLED "SITE PLAN", PREPARED BY MACTEC ENGINEERING AND CONSULTING, PORTLAND, MAINE, DATED 12-15-2014.

Amec Foster Wheeler
Environment & Infrastructure, Inc.
751 Arbor Way, Suite 180
Blue Bell, PA 19422
Tel. 610-828-8100
www.amecfw.com

CLIENT: New York State Department of Environmental Conservation

PROJECT: **DEBRIS PILE CHARACTERIZATION AND ASBESTOS-CONTAINING MATERIAL SURVEY**
301 BANK STREET
BATAVIA, NY 14020

PROJECT NO.: 3617137301
REVISION NO.: 0
DATE: OCTOBER 2016

PROJECTION / DATUM: NONE
0 40' 80'
SCALE: 1" = 80'

PREPARED BY: PJC
CHECKED BY: JRS
REVIEWED BY: BPS

TITLE: ASBESTOS MATERIAL OBSERVED LOCATIONS

FIGURE NO.: 3

APPENDIX A

Photographic Log

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Photo 1. Secondary cinder block building, north of main pole structure and west of southern end of Pile 12.

Photo 2. Homogeneous area SB1, Gray with black stripe, rolled and in pieces, woven cloth; Trace Amount of Asbestos Detected.

Photo 3. View looking east across Pile 2 from approximate location of P2-2.

Photo 4. Homogeneous area P2-1; Black tar roofing material; Trace Amount of Asbestos Detected.

Photo 5. Homogeneous area P2-2; Light Gray (with black mastic material) transite shingle pieces; Transite shingles – **5.7% Chrysotile;** Black mastic – **15% Chrysotile**.

Photo 6. Homogeneous area P7-1; Black tar roofing material off of eastern corner of rubble pile 7, near monitoring well; **1.4% Chrysotile** Detected.

Photo 7. Homogeneous area P7-1; More black tar roofing material flattened and semi-buried in grass.

Photo 8. Homogeneous area P7-2; Roofing shingle and material at the NE corner of Pile 7; view looking southeast. Trace Amount of Asbestos Detected.

Photo 9. Homogeneous P7-3; 12”x12” White floor tile with mastic; **14% Chrysotile-** Floor Tile; **14% Chrysotile** - Mastic Detected.

Photo 10. Homogeneous area P7-4; 9”x9” Gray floor tile with mastic; **2.5% Chrysotile-** Floor Tile; **1.4% Chrysotile** - Mastic Detected.

Photo 11. Homogeneous area P7-5; Gray composite (transite) subfloor; **19 % Chrysotile** Detected.

Photo 12. HA P7-4 and P78-5 interspersed together at south central part of Pile 7.

Photo 13. Homogeneous area P10-1; Brown paper wrap around electrical equipment pole; Trace Amount Asbestos Detected.

Photo 14. Homogeneous area P11-1; White wall insulation in interior of refrigerator; Trace Amount Asbestos Detected.

Photo 15. Homogeneous area P11-2; Black roofing tar and paper material; Trace Amount Asbestos Detected.

Photo 16. Homogeneous area P11-3; Gray/brown trimming around edge of refrigerator; Trace Amount Asbestos Detected.

Photo 17. General setting in Pile 11 of white refrigerator and HA's P11-1 and P11-3.

Photo 18. Homogeneous area P12-1; White matting insulation and general setting in P12; Trace Amount Asbestos Detected.

Photo 19. Homogeneous area P12-2; Dark brown composite wood material and general setting in P12; Trace Amount Asbestos Detected.

APPENDIX B

AMA Analytical Services, Inc. Report

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AMA Analytical Services, Inc.
A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client:	Test America -Buffalo	**Job Name:**	Batavia Iron & Metal #819018	**Chain of Custody:**	273202
Address:	10 Hazelwood Drive	**Job Location:**	301 Bank Street	**Date Analyzed:**	8/29/2016
	Amherst, New York 14228-2298	**Job Number:**	48008724	**Person Submitting:**	Jason Staut
		P.O. Number:	Not Provided		
Attention:	Orlette Johnson				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16143211	P 12-1-1	Whole	TR	NAD	TR	Chrysotile	17.5%	13.5%	68.8%	Fire Br.	Brown	
16143212	P 12-1-2	Whole	TR	TR	TR	Chrysotile	8.2%	15.8%	75.6%	Fire Br.	Brown	
16143213	P 12-1-3	Whole	TR	NAD	TR	Chrysotile	31.2%	2.9%	65.2%	Fire Br.	Brown	
16143214	SB 1-1	Whole	TR	TR	TR	Chrysotile	90.2%	5.9%	3.9%	GK	Brown	
16143215	SB 1-2	Whole	TR	NAD	TR	Chrysotile	92.0%	3.8%	4.2%	GK	Brown	
16143216	SB 1-3	Whole	TR	NAD	TR	Chrysotile	84.4%	7.8%	7.7%	GK	Brown	
16143217	P 11-1-1	Whole	NAD	NAD	NAD		2.6%	1.4%	96.0%	IN	Brown	
16143218	P 11-1-2	Whole	TR	NAD	TR	Chrysotile	5.8%	4.5%	89.6%	IN	Brown	
16143219	P 11-1-3	Whole	TR	N/A	TR	Chrysotile	12.3%	1.4%	86.2%	IN	Brown	
16143220	P 11-2-1	Whole	TR	NAD	TR	Chrysotile	94.5%	2.6%	2.9%	Roof	Black	
16143221	P 11-2-2	Whole	TR	TR	TR	Chrysotile	95.4%	2.8%	1.8%	Roof	Black	
16143222	P 11-2-3	Whole	TR	TR	TR	Chrysotile	84.9%	0.0%	15.1%	Roof	Black	
16143223	P 7-1-1	Whole	1.4%	TR	1.4%	Chrysotile	83.4%	7.2%	8.0%	Roof	Black	

AMA Analytical Services, Inc.
A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NY ELAP
10920

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Address:	10 Hazelwood Drive	**Job Location:**	301 Bank Street	**Date Analyzed:**	8/29/2016
	Amherst, New York 14228-2298	**Job Number:**	48008724	**Person Submitting:**	Jason Staut
		P.O. Number:	Not Provided		
Attention:	Orlette Johnson				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16143224	P 7-1-2	Whole	TR	NAD	TR	Chrysotile	76.1%	20.3%	3.6%	Roof	Black	
16143225	P 7-1-3	Whole	TR	NAD	TR	Chrysotile	80.0%	15.9%	4.1%	Roof	Black	
16143226	P 7-2-1	Whole	TR	NAD	TR	Chrysotile	81.1%	2.0%	16.9%	Roof	Black	
16143227	P 7-2-2	Whole	NAD	NAD	NAD		56.1%	2.1%	41.8%	Roof	Black	
16143228	P 7-2-3	Whole	NAD	NAD	NAD		27.3%	42.6%	30.1%	Roof	Black	
16143229	P 7-3-1 FT	Whole	14%	TR	14%	Chrysotile	25.1%	56.1%	4.7%	FT	Gray	
16143230	P 7-3-1 MS	Whole	14%	NAD	14%	Chrysotile	53.8%	22.8%	9.3%	MS	Black	Asbestos observed may be possible contamination from associated positive floor tile.
16143231	P 7-3-2 FT	Whole	13%	TR	13%	Chrysotile	26.3%	57.3%	3.3%	FT	Gray	
16143232	P 7-3-2 MS	Whole	8.9%	TR	8.9%	Chrysotile	60.2%	17.6%	13.3%	MS	Black	Asbestos observed may be possible contamination from associated positive floor tile.
16143233	P 7-3-3 FT	Whole	13%	TR	13%	Chrysotile	26.1%	56.8%	4.3%	FT	Gray	

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Address:	10 Hazelwood Drive	**Job Location:**	301 Bank Street	**Date Analyzed:**	8/29/2016
	Amherst, New York 14228-2298	**Job Number:**	48008724	**Person Submitting:**	Jason Staut
		P.O. Number:	Not Provided		
Attention:	Orlette Johnson				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16143234	P 7-3-3 MS	Whole	1.6%	NAD	1.6%	Chrysotile	56.8%	17.3%	24.3%	MS	Black	Asbestos observed may be possible contamination from associated positive floor tile.
16143235	P 7-4-1 FT	Whole	2.5%	2.5%	N/A	Chrysotile	21.7%	56.0%	19.8%	FT	Gray	Not Analyzed by TEM - Positive Stop
16143236	P 7-4-1 MS	Whole	TR	NAD	TR	Chrysotile	87.8%	3.8%	8.2%	MS	Black	Asbestos observed may be possible contamination from associated positive floor tile.
16143237	P 7-4-2 FT	Whole	2%	2%	N/A	Chrysotile	20.0%	59.8%	18.3%	FT	Gray	Not Analyzed by TEM - Positive Stop
16143238	P 7-4-2 MS	Whole	1.4%	NAD	1.4%	Chrysotile	78.4%	10.5%	9.7%	MS	Black	Asbestos observed may be possible contamination from associated positive floor tile.
16143239	P 7-4-3 FT	Whole	2%	2%	N/A	Chrysotile	21.5%	54.9%	21.6%	FT	Gray	Not Analyzed by TEM - Positive Stop
16143240	P 7-4-3 MS	Whole	1.1%	TR	1.1%	Chrysotile	83.0%	4.9%	11.0%	MS	Black	Asbestos observed may be possible contamination from associated positive floor tile.

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Client:	Test America -Buffalo	**Job Name:**	Batavia Iron & Metal #819018	**Chain of Custody:**	273202
Address:	10 Hazelwood Drive	**Job Location:**	301 Bank Street	**Date Analyzed:**	8/29/2016
	Amherst, New York 14228-2298	**Job Number:**	48008724	**Person Submitting:**	Jason Staut
		P.O. Number:	Not Provided		
Attention:	Orlette Johnson				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16143241	P 7-5-1	Whole	19%	19%	N/A	Chrysotile	29.4%	27.8%	23.8%	CC	Gray	Not Analyzed by TEM - Positive Stop
16143242	P 7-5-2	Whole	11%	11%	N/A	Chrysotile	27.8%	16.4%	44.7%	CC	Gray	Not Analyzed by TEM - Positive Stop
16143243	P 7-5-3	Whole	15%	15%	N/A	Chrysotile	30.1%	10.0%	44.9%	CC	Black	Not Analyzed by TEM - Positive Stop
16143244	P 10-1-1	Whole	NAD	NAD	NAD		91.7%	1.2%	7.1%	Fire Br.	Brown	
16143245	P 10-1-2	Whole	TR	NAD	TR	Chrysotile	97.3%	0.8%	1.9%	Fire Br.	Brown	
16143246	P 10-1-3	Whole	TR	TR	TR	Chrysotile	97.5%	0.7%	1.8%	Fire Br.	Brown	
16143247	P 11-3-1	Whole	N/A	N/A	N/A		99.6%	0.3%		WB	Brown	Sample Not Analyzed: >99% of material lost to gravimetric reduction. Material is non-ACM.
16143248	P 11-3-2	Whole	N/A	N/A	N/A		99.6%	0.3%		WB	Brown	Sample Not Analyzed: >99% of material lost to gravimetric reduction. Material is non-ACM.
16143249	P 11-3-3	Whole	N/A	N/A	N/A		99.2%	0.4%		WB	Brown	Sample Not Analyzed: >99% of material lost to gravimetric reduction. Material is non-ACM.

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Client:	Test America -Buffalo	**Job Name:**	Batavia Iron & Metal #819018	**Chain of Custody:**	273202
Address:	10 Hazelwood Drive	**Job Location:**	301 Bank Street	**Date Analyzed:**	8/29/2016
	Amherst, New York 14228-2298	**Job Number:**	48008724	**Person Submitting:**	Jason Staut
		P.O. Number:	Not Provided		
Attention:	Orlette Johnson				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16143250	P 2-1-1	Whole	TR	TR	TR	Chrysotile	79.1%	2.1%	18.2%	Roof	Black	
16143251	P 2-1-2	Whole	TR	TR	TR	Chrysotile	69.6%	8.3%	21.5%	Roof	Black	
16143252	P 2-1-3	Whole	TR	NAD	TR	Chrysotile	73.4%	8.4%	18.1%	Roof	Black	
16143253	P 2-2-1	Whole	5.7%	5.7%	N/A	Chrysotile	13.2%	52.6%	28.5%	Transite	Gray	Not Analyzed by TEM - Positive Stop
16143254	P 2-2-2 Grey	Whole	2.9%	2.9%	N/A	Chrysotile	23.6%	43.2%	30.3%	FT	Gray	Not Analyzed by TEM - Positive Stop
16143255	P 2-2-2 Blk	Whole	15%	TR	15%	Chrysotile	47.2%	29.7%	8.1%	MS	Black	Asbestos observed may be possible contamination from associated positive floor tile.
16143256	P 2-2-3 Grey	Whole	3%	3%	N/A	Chrysotile	27.5%	40.2%	29.3%	FT	Gray	Not Analyzed by TEM - Positive Stop
16143257	P 2-2-3 Blk	Whole	1.1%	NAD	1.1%	Chrysotile	76.2%	16.5%	6.2%	MS	Black	Asbestos observed may be possible contamination from associated positive floor tile.
16143258	P 12-2-1	Whole	TR	NAD	TR	Chrysotile	91.1%	0.1%	8.8%	WB	Brown	
16143259	P 12-2-2	Whole	TR	NAD	TR	Chrysotile	87.2%	0.7%	12.1%	WB	Brown	

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Address:	10 Hazelwood Drive	**Job Location:**	301 Bank Street	**Date Analyzed:**	8/29/2016
	Amherst, New York 14228-2298	**Job Number:**	48008724	**Person Submitting:**	Jason Staut
		P.O. Number:	Not Provided		
Attention:	Orlette Johnson				

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16143260	P 12-2-3	Whole	N/A	N/A	N/A		99.5%	0.3%		WB	Brown	Sample Not Analyzed: >99% of material lost to gravimetric reduction. Material is non-ACM.

* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.

** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

*** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Technical Director Andreas Saldivar **Analyst(s)** L. Butruk / M. Greenberg

AMA Analytical Services, Inc.
Focused on Results www.amalab.com
AIHA-LAP (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 273202

Mailing/Billing Information:
1. Client Name: TESTBUFF
2. Address 1:
3. Address 2:
4. Address 3:
5. Phone #: Fax #:

Submittal Information:
1. Job Name: Batavia Iron + Metal #819018
2. Job Location: 301 Bank Street
3. Job #: 48008724 P.O. #: Callout ID 122103
4. Contact Person: Ore Orlette Johnson Cell:
5. Collected by: Jason Strautt Cell:

Reporting Info (Results provided as soon as technically feasible). If no TAT/Reporting Info is provided, AMA will assign defaults of 5-Day and email/fax to contacts on file.

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
❑ 4 Hours ❑ Immediate Date Due: ❑ 24 Hours Time Due: Comments:	❑ 4 Hours ❑ 3 Day ❑ Same Day ☑ 5 Day + ❑ Next Day Date Due: 8/29/16 ❑ 2 Day ❑ Results Required By Noon	❑ Email: ❑ Email 2: ❑ Verbals:

Asbestos Analysis
*PCM Air – Please Indicate Filter Type:
- ❑ NIOSH 7400 (QTY)
- ❑ Fiberglass (QTY)

TEM Air* – Please Indicate Filter Type:
- ❑ AHERA (QTY)
- ❑ NIOSH 7402 (QTY)
- ❑ Other (specify) (QTY)

PLM Bulk
- ❑ EPA 600 – Visual Estimate (QTY) ❑ Pos Stop
- ❑ EPA Point Count (QTY)
- ❑ NY State Friable 198.1 (QTY)
- ❑ Grav. Reduction ELAP 198.6 (QTY)
- ❑ Other (specify) (QTY)

MISC
- ❑ Vermiculite
- ❑ Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan)

*It is recommended that blank samples be submitted with all air and surface samples

TEM Bulk
- ❑ ELAP 198.4/Chatfield (QTY)
- ☑ NY State PLM/TEM 50 (QTY)
- ❑ Residual Ash (QTY)

TEM Dust*
- ❑ Qual. (pres/abs) Vacuum/Dust (QTY)
- ❑ Quan. (s/area) Vacuum D5755-95 (QTY)
- ❑ Quan. (s/area)Dust D6480-99 (QTY)

TEM Water
- ❑ Qual. (pres/abs) (QTY)
- ❑ ELAP 198.2/EPA 100.2 (QTY)
- ❑ EPA 100.1 (QTY)

☑ All samples received in good condition unless otherwise noted.
(TEM Water samples °C)

If field data sheets are submitted, there is no need to complete bottom section.

Metals Analysis
- ❑ Pb Paint Chip (QTY)
- ❑ *Pb Dust Wipe (wipe type) (QTY)
- ❑ *Pb Air (QTY)
- ❑ Pb Soil/Solid (QTY)
- ❑ Pb TCLP (QTY)
- ❑ Drinking Water ❑ Pb (QTY) ❑ Cu (QTY) ❑ As (QTY)
- ❑ Waste Water ❑ Pb (QTY) ❑ Cu (QTY) ❑ As (QTY)
- ❑ Pb Furnace (Media) (QTY)

Fungal Analysis
Collection Apparatus for Spore Traps/Air Samples:
Collection Media
- ❑ *Spore-Trap (QTY) ❑ Surface Vacuum Dust (QTY)
- ❑ *Surface Swab (QTY) ❑ Culturable ID Genus (Media) (QTY)
- ❑ *Surface Tape (QTY) ❑ Culturable ID Species (Media) (QTY)
- ❑ Other (Specify) (QTY

SAMPLE INFORMATION CLIENT ID #	SAMPLE LOCATION/ ID	DATE/ TIME	VOL (L)/ Wipe Area	ANALYSIS TEM	PCM	PLM	LEAD	MOLD	MATRIX AIR	BULK	DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	CLIENT CONTACT (LABORATORY STAFF ONLY)
																Date/Time: Contact:By:
																Date/Time: Contact:By:
																Date/Time: Contact:By:

	Print Name	Signature	Date	Time
Relinquished by:	Jason Strautt			
Received by:				
Relinquished by:				
Received for Lab by:	NRM		8/22/16	0830

Shipping Information
☐ UPS ☐ In-Person ☐ Other
☐ FedEx ☐ Drop Box
☑ USPS ☐ Courrier
Airbill/Tracking No:

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Subcontract Laboratory)	Sampler: Jason Straut	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-86277-21081.1
Client Contact: Shipping and Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 4
Company: AMA Analytical Services, Inc.		Analysis Requested		Job #:
Address: 4475 Forbes Boulevard	Due Date Requested:			Preservation Codes:
City: Lanham	TAT Requested (days): 25 calendar days			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: MD, 20706				Other:
Phone: 301-459-2640/800-346-0961	PO #: Callout ID 122103			
Email: dhudson@amalab.com	WO #:			
Project Name: Batavia Iron & Metal #819018	Project #: 48008724			
Site: 301 Bank St.	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT - Asbestos PLM/TEM per NYS 198.6/198.4	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
P12-1-1	8/16/2016			NOB			X		
P12-1-2	8/16/2016			NOB			X		
P12-1-3	8/16/2016			NOB			X		
SB1-1	8/16/2016			NOB			X		
SB1-2	8/16/2016			NOB			X		
SB1-3	8/16/2016			NOB			X		
P11-1-1	8/16/2016			NOB			X		
P11-1-2	8/16/2016			NOB			X		
P11-1-3	8/16/2016			NOB			X		
P11-2-1	8/16/2016			NOB			X		
P11-2-2	8/16/2016			NOB			X		

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Jason R. Straut	8/18/2016 08:17	AMECFW			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Subcontract Laboratory)	Sampler: Jason Straut	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-86277-21081.2
Client Contact: Shipping and Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.com		Page: Page 2 of 4
Company: AMA Analytical Services, Inc.				Job #:

Address: 4475 Forbes Boulevard	Due Date Requested:
City: Lanham	TAT Requested (days): 25 calendar days
State, Zip: MD, 20706	
Phone: 301-459-2640/800-346-0961	PO #: Callout ID 122103
Email: dhudson@amalab.com	WO #:
Project Name: Batavia Iron & Metal #819018	Project #: 48008724
Site: 301 Bank St.	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT - Asbestos PLM/TEM per NYS 198.6/198.4	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
P11-2-3	8/16/2016			NOB			X		
P7-1-1	8/16/2016			NOB			X		
P7-1-2	8/16/2016			NOB			X		
P7-1-3	8/16/2016			NOB			X		
P7-2-1	8/16/2016			NOB			X		
P7-2-2	8/16/2016			NOB			X		
P7-2-3	8/16/2016			NOB			X		
P7-3-1 FT/MS	8/16/2016			NOB			X		
P7-3-2	8/16/2016			NOB			X		
P7-3-3	8/16/2016			NOB			X		
P7-4-1 FT/MS	8/16/2016			NOB			X		

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For _____ Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Jason R. Straut	Date/Time: 8/18/2016 08:17	Company PMECFW	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Subcontract Laboratory)	Sampler: Jason Straut	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-86277-21081.3
Client Contact: Shipping and Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.com		Page: Page 3 of 4
Company: AMA Analytical Services, Inc.		Analysis Requested		Job #:
Address: 4475 Forbes Boulevard	Due Date Requested:			Preservation Codes:
City: Lanham	TAT Requested (days): 25 calendar days			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: MD, 20706				
Phone: 301-459-2640/800-346-0961	PO #: Callout ID 122103			
Email: dhudson@amalab.com	WO #:			Other:
Project Name: Batavia Iron & Metal #819018	Project #: 48008724			
Site: 301 Bank St.	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT - Asbestos PLM/TEM per NYS 198.6/198.4	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
P7-4-2 FT/MS	8/16/2016			NOB			X		
P7-4-3 ⊥	8/16/2016			NOB			X		
P7-5-1	8/16/2016			NOB			X		
P7-5-2	8/16/2016			NOB			X		
P7-5-3	8/16/2016			NOB			X		
P10-1-1	8/16/2016			NOB			X		
P10-1-2	8/16/2016			NOB			X		
P10-1-3	8/16/2016			NOB			X		
P11-3-1	8/16/2016			NOB			X		
P11-3-2	8/16/2016			NOB			X		
P11-3-3	8/16/2016			NOB			X		

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Jason R. Straut	Date/Time: 8/18/2016 08:18	Company AMecFLJ	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Subcontract Laboratory)	Sampler: Jason Straut	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-86277-21081.3
Client Contact: Shipping and Receiving	Phone:	E-Mail: orlette.johnson@testamericainc.com		Page: Page 4 of 4
Company: AMA Analytical Services, Inc.				Job #:

Address: 4475 Forbes Boulevard	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Lanham	TAT Requested (days): 25 calendar days		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify) Other:
State, Zip: MD, 20706			
Phone: 301-459-2640/800-346-0961	PO #: Callout ID 122103		
Email: dhudson@amalab.com	WO #:		
Project Name: Batavia Iron & Metal #819018	Project #: 48008724		
Site: 301 Bank St.	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT - Asbestos PLM/TEM per NYS 198.6/198.4	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
P2-1-1	8/16/2016			NOB			X		
P2-1-2	8/16/2016			NOB			X		
P2-1-3	8/16/2016			NOB			X		
P2-2-1	8/16/2016			NOB			X		
P2-2-2 Grey/BLK	8/16/2016			NOB			X		
P2-2-3	8/16/2016			NOB			X		
P12-2-1	8/16/2016			NOB			X		
P12-2-2	8/16/2016			NOB			X		
P12-2-3	8/16/2016			NOB			X		

Possible Hazard Identification
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Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Jason R. Straut	Date/Time: 8/18/2016 08:18	Company: AMEC FW	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

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