

LIMITED SITE DATA

TONAWANDA FORGE SITE

TOWN OF TONAWANDA, ERIE COUNTY, NEW YORK

SITE NO. 915274

These documents that follow are **NOT** part of the Contract Documents for the remedial work at **TONAWANDA FORGE** Site. The Department neither represents that the Site conditions will be the same as in the attached documents nor considers the attached documents as being comprehensive and an actual description of the site conditions. The contractor shall be responsible for the performing the remediation work based on the existing conditions at the Site.

JUNE 2015

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A. PRE-DESIGN INVESTIGATION REPORT

*Interim Remedial Measures Pre-Design
Investigation Report (URS April 2014)*



INTERIM REMEDIAL MEASURES DESIGN

PRE-DESIGN INVESTIGATION REPORT

WORK ASSIGNMENT D007622-21.1

**TONAWANDA FORGE SITE
TONAWANDA (T)**

**SITE NO. 915274
ERIE COUNTY, NY**

Prepared for:
**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 Broadway, Albany, New York**

Joe Martens, Commissioner

DIVISION OF ENVIRONMENTAL REMEDIATION

**URS Corporation
257 West Genesee Street, Suite 400
Buffalo, New York 14202**

July 2014

**INTERIM REMEDIAL MEASURE DESIGN
PRE-DESIGN INVESTIGATION REPORT
C&D PILE PRE-CHARACTERIZATION
FOR THE TONAWANDA FORGE SITE
TONAWANDA, ERIE COUNTY, NEW YORK
SITE ID #915274**

PREPARED FOR:

**NYSDEC
DIVISION OF ENVIRONMENTAL REMEDIATION
REMEDIAL BUREAU E, SECTION A**

PREPARED BY:

**URS CORPORATION
257 WEST GENESEE STREET
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JULY 2014

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**INTERIM REMEDIAL MEASURE DESIGN
PRE-DESIGN INVESTIGATION REPORT
C&D PILE PRE-CHARACTERIZATION
FOR THE TONAWANDA FORGE SITE
TONAWANDA, ERIE COUNTY, NEW YORK
SITE ID #915274**

1.0 INTRODUCTION

URS Corporation – New York (URS) has been tasked to design an Interim Remedial Measure (IRM) for the Tonawanda Forge site under Task 6 of Work Assignment Number D007622-21.1 by the New York Department of Environmental Conservation (NYSDEC). Under Task 6, URS collected samples to pre-characterize three construction and demolition (C&D) piles located on the site as shown on Figure 1. Also under Task 6, URS prepared this Pre-Design Investigation Report (PDIR). The purposes of the PDIR are to present and summarize data collected from the pile pre-characterization sampling program, identify and classify C&D material based on the sampling results, and estimate the quantity of each type of material based on the sampling results. The PDIR will be utilized to prepare the Contract Documents for the IRM. The Contract Documents for the IRM will require the Contractor to perform additional sampling as required by the disposal facilities to characterize the C&D material prior to disposal.

2.0 DESCRIPTION OF FIELD ACTIVITIES

URS sampled three C&D piles on May 19, 2014. The pile locations are shown on Figure 1. Photographs of the piles are provided in Appendix A. A general description of each pile is given below.

- Pile #1: Pile #1 is located in Area of Concern (AOC) -8 (see Figure 1) on the southwestern portion of the site. The pile consists mostly of building demolition debris including large pieces of concrete. There are two portions of the pile. The higher portion reaches a maximum height of about 14 feet with an average height of about 10 feet and the lower portion reaches a maximum height of about 6 feet with an average height of about 5 feet. The estimated area of the pile is 23,122 square feet. The estimated volume of the pile is 4,000 cubic yards.
- Pile #2: Pile #2 is located in AOC-16 (Figure 1) on the northwestern portion of the site. The pile consists mostly of building demolition debris. The maximum height of the pile is about 7 feet with an average height of about 3.5 feet. The estimated area of the pile is 1,968 square feet. The estimated volume of the pile is 200 cubic yards.
- Pile #3: Pile #3 is located in AOC-14 (Figure 1) on the northwestern portion of the site. The pile consists of crushed demolition debris. This material is relatively uniform in consistency. The maximum height of the pile is about 12 feet with an average height of about 7 feet. The estimated area of the pile is 4,697 square feet. The estimated volume of the pile is 700 cubic yards.

Samples were collected for chemical analysis at 11 sample grid locations from Pile #1, 2 sample grid locations from Pile #2, and 3 sample grid locations from Pile #3 as described in Section 3.0. Samples were sent to Test America, Inc. of Amherst, New York for analysis of the following parameters:

- Toxicity Characteristic Leaching Procedure (TCLP) Volatile Organic Compounds (VOCs) by Methods 1311/8260C.
- TCLP Semi-volatile Organic Compounds (SVOCs) by Methods 1311/8270D.
- Polychlorinated Biphenyls (PCBs) by Method 8082A.
- TCLP Metals by Methods 1311/6010C.
- TCLP Mercury by Methods 1311/7470A.

- Ignitability by Method 1010A.
- Reactive Cyanide by Method 9012.
- Reactive Sulfide by Method 9034.
- Corrosivity by Method 9045D.

The analytical reports for these samples are presented in Appendix B. Field notes provide a description of each sample grid location and are presented in Appendix C.

Samples were also collected for asbestos characterization from 12 of 12 sample grid locations on Pile #1 (most samples were composite samples from multiple grid locations), 1 of 2 sample grid locations on Pile #2 and 3 of 3 sample grid locations on Pile #3 as described in Section 3.0. The samples were analyzed by AMA Analytical Services, Inc. of Lanham, Maryland for the following parameters:

- Polarized Light Microscopy (PLM) after gravimetric reduction (NY ELAP Method 198.6).
- Transition Electronic Microscopy (TEM) after gravimetric reduction (NY ELAP Method 198.4).

The analytical report for asbestos is presented in Appendix D.

3.0 RESULTS OF SAMPLING PROGRAM

Samples were collected from each of the three C&D piles in accordance with the Field Sampling Plan for the Remedial Investigation. Samples were collected based on a grid pattern that varied based on the size of the pile. Samples were collected near the surface of the piles, but at different elevations. Samples were identified based on the elevation with respect to the top of the pile. For example, the designation 0-1 indicates that the sample was collected at the highest elevation above ground at the top of the pile whereas the designation 5-6 indicates that the sample was collected at an elevation 5 to 6 feet below the top of the pile along the side slope of the pile. A summary of the results from the sampling program are presented in the remainder of this section.

3.1 Pile #1 Sampling

A total of 30 samples were collected for chemical analysis at 11 sample grid locations on Pile #1. The samples were located based on a 50-foot grid pattern laid out over the pile. The sample locations are shown on Figure 2 and the analytical results are presented on Table 1. On Table 1, all results except PCBs are compared to Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste. The results for PCBs are compared to 40 CFR Part 761, Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, and 6 NYCRR Part 371.4(e). Table 1 shows the following:

- None of the results for TCLP VOCs, TCLP SVOCs, TCLP metals or Resource Conservation and Recovery Act (RCRA) characteristics (i.e., ignitability, reactivity, corrosivity) exceeded the Hazardous Waste Criteria.
- Total PCBs were the only parameters that exceeded the applicable criteria.
- PCB criteria were exceeded in 3 of the 30 samples collected and at 3 of the 11 sample grid locations sampled as follows: P-1C-2 (7-8), P-1D-2 (0-1), and P-1D-3 (0-1).

In general, the samples exceeding criteria were collected from areas described as C&D with concrete, rebar, and some brick, wood, wire and roofing material. The material sampled was generally described as silty sand with concrete fragments. The three samples exceeding criteria were all collected on or near the area of higher elevation (shown on Figure 2) in Pile #1.

A total of 5 samples were collected for asbestos characterization from 12 of 12 sample grid locations on Pile #1. Most of the samples were composites from multiple sample grid locations. The sample grid locations are shown on Figure 2 and the analytical results are summarized on Table 2. An asbestos containing material (ACM) is defined as a material that contains greater than 1% asbestos, as defined by NYCRR Part 56-2.1(p). Based on the results presented in Table 2, there is no ACM present in Pile #1.

3.2 Pile #2 Sampling

A total of 4 samples were collected for chemical analysis at 2 sample grid locations on Pile #2. Two samples were collected from equal halves of the pile that each measured about 25 feet by 50 feet. The sample locations are shown on Figure 3 and the analytical results are presented on Table 3. On Table 3, all results except PCBs are compared to Hazardous Waste Criteria, 40 CFR Part 261, Subpart C-Characteristics of Hazardous Waste. The results for PCBs are compared to 40 CFR Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, and 6 NYCRR Part 371.4(e). Table 3 shows the following:

- None of the results for TCLP VOCs, TCLP SVOCs, TCLP metals or RCRA characteristics exceeded the Hazardous Waste Criteria.
- None of the results for PCBs exceeded the PCB criteria.

One sample was collected for asbestos characterization on Pile #2. The sample grid location (B-1) is shown on Figure 3 and the analytical results are summarized on Table 2. Based on the results presented in Table 2, there is no ACM present in Pile #2.

3.3 Pile #3 Sampling

A total of 9 samples were collected for chemical analysis at 3 sample grid locations on Pile #3. The sample grids were equal thirds of the pile that each measured about 30 feet by 45 feet. The sample grid locations are shown on Figure 4 and the analytical results are presented on Table 4. (Remedial Investigation sample locations AOC-14-GB-01 and AOC-14-GB-02 shown on Figure 4 are discussed in Section 4.3.) On Table 4, all results except PCBs are compared to Hazardous Waste Criteria, 40 CFR Part 261, Subpart C-Characteristics of Hazardous Waste. The results for PCBs are compared to 40 CFR Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, and 6 NYCRR Part 371.4(e). Table 4 shows the following:

- None of the results for TCLP VOCs, TCLP SVOCs, TCLP metals or RCRA characteristics exceeded the Hazardous Waste Criteria.
- PCBs were the only parameters that exceeded the applicable criteria.
- PCB criteria were exceeded in 4 of the 9 samples collected and at 2 of the 3 sample grid locations as follows: P-3A-1 (0-1), P-3A-1 (5-6), P-3A-1 (11-12) and P-3B-1 (5-6).

A total of 3 samples were collected for asbestos characterization from 3 sample grid locations on Pile #3. The sample grid locations are shown on Figure 4 and the analytical results are summarized on Table 2. Based on the results presented in Table 2, there is ACM present in Pile #3.

4.0 DESIGN PARAMETERS

The IRM for the site includes the removal, transportation and the off-site disposal of all material in the three C&D piles. The data collected during the sampling program described above was used to pre-characterize the C&D piles prior to design and implementation of the IRM. The results of the pre-characterization are described below.

4.1 Pile #1 Pre-Characterization

The asbestos characterization sampling performed for Pile #1 showed that there was no ACM in the pile. However, the asbestos site inspector who collected the samples for asbestos characterization noted that the materials sampled on May 19, 2014 were similar to those sampled during the site wide asbestos survey performed by URS in October and November, 2013. Under 40CFR 763.87(c), the material present in Pile #1 must be considered ACM even though results did not show the presence of ACM because previously sampled similar on-site material contained asbestos. On this basis, all 4,000 cubic yards of C&D debris in Pile #1 would be considered a regulated solid waste and would be disposed of in a landfill approved to accept ACM.

However, chemical analytical results showed that a portion of Pile #1 is contaminated with PCBs above the applicable criteria. In accordance with the Toxic Substances Control Act (TSCA) regulation 40 CFR Part 761, debris contaminated with PCBs at a concentration equal to or greater than 50 ppm must be disposed of in a TSCA incinerator or a TSCA chemical waste landfill. It is estimated that 1,230 cubic yards of the total 4,000 cubic yards in Pile #1 would be disposed of in a TSCA chemical waste landfill. The 1,230 cubic yards of debris containing ACM and PCBs above 50 ppm can be disposed of in a TSCA chemical waste landfill.

4.2 Pile #2 Pre-Characterization

The chemical analytical results from Pile #2 showed that all parameters sampled were below the Hazardous Waste Criteria and PCB criteria. Based on these results, the debris pile would be considered a solid waste. However, as with Pile #1, suspected ACM similar to that previously sampled at other locations on the site was noted by the onsite asbestos inspector. Under 40CFR 763.87(c), the material present in Pile #2 must be considered ACM even though results did not show the presence of ACM because previously sampled similar material contained asbestos. On this basis, the debris in Pile #2 is

considered a regulated solid waste and must be disposed of in a landfill approved to accept ACM. The estimated quantity of asbestos containing debris in Pile #2 is 200 cubic yards.

4.3 Pile #3 Pre-Characterization

PCBs were detected above the hazardous waste criteria in 4 of the 9 samples collected in Pile #3. In addition, during the RI Phase 1, staining was noted at the bottom of the pile. Consequently, two bulk samples were taken to characterize this material as shown on Figure 4. Analytical results from the bulk grab samples were 470 ppm (well above the TSCA limit of 50 ppm) and 47 ppm (just below the TSCA limit of 50 ppm). In light of the sampling results which show a high frequency of detection and high concentrations of PCBs, and because the pile composition is relatively homogeneous, the entire Pile #3 is pre-characterized as a TSCA waste. The estimated quantity of PCB-contaminated TSCA waste in Pile #3 is 700 cubic yards.

4.4 C&D Pile Disposal

Based on the pre-characterization sampling and RI grab sample results, materials in the three C&D piles at the site are either PCB contaminated and will be disposed of in a TSCA chemical waste landfill or are asbestos contaminated and will be disposed of in a regulated landfill approved to accept asbestos. The estimated quantities of material that will be disposed of in each type of landfill are presented below.

Pre-Characterization Summary for Disposal		
Pile ID	Asbestos Only Debris (cubic yards)	Asbestos/PCB Debris (cubic yards)
1	2,770	1,230
2	200	0
3	0	700
TOTAL	2,970	1,930

TABLE 1
IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #1

Location ID				P-1 A-1	P-1 A-1	P-1 A-2	P-1 A-2	P-1 B-1
Sample ID				P-1 A-1 0-1	P-1 A-1 4-5	P-1 A-2 0-1	P-1 A-2 4-5	P-1 B-1 0-1
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				0.0-1.0	4.0-5.0	0.0-1.0	4.0-5.0	0.0-1.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
TCLP Volatile Organic Compounds								
1,1-Dichloroethene	MG/L	0.7	-				0.0029 J	
Trichloroethene	MG/L	0.5	-					
TCLP Semivolatile Organic Compounds								
2-Methylphenol (o-cresol)	MG/L	200	-			0.0036 J		
3-Methylphenol (m-cresol)	MG/L	200	-			0.011		
4-Methylphenol (p-cresol)	MG/L	200	-			0.011		
Hexachlorobenzene	MG/L	0.13	-					
Polychlorinated Biphenyls								
Aroclor 1242	MG/KG	-	50					
Aroclor 1248	MG/KG	-	50		1.5			1.5
Aroclor 1254	MG/KG	-	50		2.2	0.11 J	0.16 J	1.5
Aroclor 1260	MG/KG	-	50		0.63			0.94
Total Polychlorinated Biphenyls	MG/KG	-	50	ND	4.33	0.11	0.16	3.94
TCLP Metals								
Arsenic	MG/L	5	-		0.0061 J		0.0071 J	0.0089 J
Barium	MG/L	100	-	0.17 B	0.29 B^	0.31	0.19 B^	0.42 B^
Cadmium	MG/L	1	-		0.0022	0.0013 J		0.0020
Chromium	MG/L	5	-	0.0056 B	0.0071 B	0.010	0.0028 JB	0.0081
Lead	MG/L	5	-	0.0030 J	0.0091 J	0.0068 J	0.0035 J	0.018
Mercury	MG/L	0.2	-					
Selenium	MG/L	1	-	0.013 J	0.011 J	0.021 J	0.014 J	0.015 J
Silver	MG/L	5	-		0.0071			

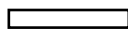
Criteria (1)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Criteria (2)- 40 CFR Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, and 6 NYCRR Part 371.4 (e).

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

Samples analyzed by TestAmerica Laboratories, Inc.

> - The flashpoint is higher than the temperature listed. Empty cell or ND - Not detected. J - The reported concentration is an estimated value.

* or ^ - Laboratory quality control outlier; The reported concentration may be an estimated value.

B - The compound has been detected in an associated method blank.

Only Detected Results Reported.

TABLE 1
IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #1

Location ID				P-1 A-1	P-1 A-1	P-1 A-2	P-1 A-2	P-1 B-1
Sample ID				P-1 A-1 0-1	P-1 A-1 4-5	P-1 A-2 0-1	P-1 A-2 4-5	P-1 B-1 0-1
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				0.0-1.0	4.0-5.0	0.0-1.0	4.0-5.0	0.0-1.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
RCRA Characteristics								
Corrosivity	SU	2-12.5	-	11.1	8.51	11.3	8.53	8.71
FlashPoint	DEG F	<140	-	176.0 >	176.0 >	176.0 >	176.0 >	176.0 >
Reactive Sulfide	MG/KG	500	-					

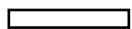
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TABLE 1
IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #1

Location ID				P-1 B-1	P-1 B-2	P-1 B-2	P-1 B-3	P-1 B-3
Sample ID				P-1 B-1 4-5	P-1 B-2 0-1	P-1 B-2 4-5	P-1 B-3 0-1A	P-1 B-3 0-1B
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				4.0-5.0	0.0-1.0	4.0-5.0	0.0-1.0	0.0-1.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
TCLP Volatile Organic Compounds								
1,1-Dichloroethene	MG/L	0.7	-					
Trichloroethene	MG/L	0.5	-					
TCLP Semivolatile Organic Compounds								
2-Methylphenol (o-cresol)	MG/L	200	-				0.0011 J	
3-Methylphenol (m-cresol)	MG/L	200	-				0.0035 J	
4-Methylphenol (p-cresol)	MG/L	200	-			0.00039 J	0.0035 J	
Hexachlorobenzene	MG/L	0.13	-			0.00084 J		
Polychlorinated Biphenyls								
Aroclor 1242	MG/KG	-	50					
Aroclor 1248	MG/KG	-	50	2.0	2.4	0.36	2.9	3.7
Aroclor 1254	MG/KG	-	50	2.4	3.0	0.96	2.8	2.8
Aroclor 1260	MG/KG	-	50	2.1	2.9	0.73	1.5	0.97
Total Polychlorinated Biphenyls	MG/KG	-	50	6.5	8.3	2.05	7.2	7.47
TCLP Metals								
Arsenic	MG/L	5	-	0.0078 J				
Barium	MG/L	100	-	0.69 B^	0.65 B	0.37 B	0.35 B	0.44 B
Cadmium	MG/L	1	-	0.025	0.024	0.0021	0.0090	0.0066
Chromium	MG/L	5	-	0.0096	0.0087	0.0072 B	0.0068 B	
Lead	MG/L	5	-	0.063	0.051	0.025	0.026	0.0049 J
Mercury	MG/L	0.2	-					
Selenium	MG/L	1	-	0.024 J	0.023 J			
Silver	MG/L	5	-					

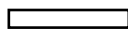
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Criteria (2)- 40 CFR Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, and 6 NYCRR Part 371.4 (e).

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TABLE 1
IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #1

Location ID				P-1 B-1	P-1 B-2	P-1 B-2	P-1 B-3	P-1 B-3
Sample ID				P-1 B-1 4-5	P-1 B-2 0-1	P-1 B-2 4-5	P-1 B-3 0-1A	P-1 B-3 0-1B
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				4.0-5.0	0.0-1.0	4.0-5.0	0.0-1.0	0.0-1.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
RCRA Characteristics								
Corrosivity	SU	2-12.5	-	8.61	8.72	8.74	8.78	8.65
FlashPoint	DEG F	<140	-	176.0 >	176.0 >	176.0 >	176.0 >	176.0 >
Reactive Sulfide	MG/KG	500	-					

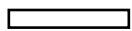
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Only Detected Results Reported.

TABLE 1
IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #1

Location ID				P-1 B-3	P-1 B-3	P-1 C-1	P-1 C-1	P-1 C-1
Sample ID				P-1 B-3 4-5A	P-1 B-3 4-5B	P-1 C-1 0-1	P-1 C-1 5-6	P-1 C-1 14-15
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				4.0-5.0	4.0-5.0	0.0-1.0	5.0-6.0	14.0-15.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
TCLP Volatile Organic Compounds								
1,1-Dichloroethene	MG/L	0.7	-					
Trichloroethene	MG/L	0.5	-					
TCLP Semivolatile Organic Compounds								
2-Methylphenol (o-cresol)	MG/L	200	-		0.0027 J			
3-Methylphenol (m-cresol)	MG/L	200	-		0.0075 J		0.0014 J	
4-Methylphenol (p-cresol)	MG/L	200	-		0.0075 J		0.0014 J	
Hexachlorobenzene	MG/L	0.13	-					
Polychlorinated Biphenyls								
Aroclor 1242	MG/KG	-	50					
Aroclor 1248	MG/KG	-	50	3.0	3.1	0.52	1.4	1.7
Aroclor 1254	MG/KG	-	50	2.1	3.4		1.5	1.5
Aroclor 1260	MG/KG	-	50	1.0	3.3		1.4	0.92
Total Polychlorinated Biphenyls	MG/KG	-	50	6.1	9.8	0.52	4.3	4.12
TCLP Metals								
Arsenic	MG/L	5	-	0.0057 J			0.0084 J	0.0064 J
Barium	MG/L	100	-	0.37 B	0.39 B	0.14 B	0.54 B^	0.25 B
Cadmium	MG/L	1	-	0.0033	0.44		0.0041	0.0023
Chromium	MG/L	5	-	0.029 B	0.0039 JB	0.031 B	0.0068	0.0041 B
Lead	MG/L	5	-	0.032	0.011	0.0036 J	0.016	0.0069 J
Mercury	MG/L	0.2	-					
Selenium	MG/L	1	-			0.013 J	0.020 J	0.012 J
Silver	MG/L	5	-					

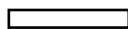
Criteria (1)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Criteria (2)- 40 CFR Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, and 6 NYCRR Part 371.4 (e).

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Only Detected Results Reported.

TABLE 1
IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #1

Location ID				P-1 B-3	P-1 B-3	P-1 C-1	P-1 C-1	P-1 C-1
Sample ID				P-1 B-3 4-5A	P-1 B-3 4-5B	P-1 C-1 0-1	P-1 C-1 5-6	P-1 C-1 14-15
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				4.0-5.0	4.0-5.0	0.0-1.0	5.0-6.0	14.0-15.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
RCRA Characteristics								
Corrosivity	SU	2-12.5	-	8.69	8.56	11.3	8.69	8.68
FlashPoint	DEG F	<140	-	176.0 >	176.0 >	176.0 >	176.0 >	176.0 >
Reactive Sulfide	MG/KG	500	-			4.0 J		

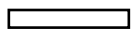
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TABLE 1
IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #1

Location ID				P-1 C-2	P-1 C-2	P-1 C-2	P-1 C-3	P-1 C-3
Sample ID				P-1 C-2 0-1	P-1 C-2 7-8	P-1 C-2 14-15	P-1 C-3 0-1	P-1 C-3 5-6
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				0.0-1.0	7.0-8.0	14.0-15.0	0.0-1.0	5.0-6.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
TCLP Volatile Organic Compounds								
1,1-Dichloroethene	MG/L	0.7	-					
Trichloroethene	MG/L	0.5	-					
TCLP Semivolatile Organic Compounds								
2-Methylphenol (o-cresol)	MG/L	200	-					
3-Methylphenol (m-cresol)	MG/L	200	-					
4-Methylphenol (p-cresol)	MG/L	200	-					
Hexachlorobenzene	MG/L	0.13	-					
Polychlorinated Biphenyls								
Aroclor 1242	MG/KG	-	50	0.25				2.5
Aroclor 1248	MG/KG	-	50		44	1.7	0.59	
Aroclor 1254	MG/KG	-	50		120	4.8	0.86	2.1
Aroclor 1260	MG/KG	-	50			0.62	0.41	0.62
Total Polychlorinated Biphenyls	MG/KG	-	50	0.25	164	7.12	1.86	5.22
TCLP Metals								
Arsenic	MG/L	5	-			0.072	0.011 J	
Barium	MG/L	100	-	0.15 B	0.47 B	1.3 B	0.75 B	0.38 B
Cadmium	MG/L	1	-		0.0087	0.039	0.011	0.033
Chromium	MG/L	5	-	0.020 B	0.0064 B	0.30 B	0.051 B	0.0020 JB
Lead	MG/L	5	-	0.0042 J	0.0084 J	2.8	0.17	0.038
Mercury	MG/L	0.2	-			0.0022		
Selenium	MG/L	1	-					
Silver	MG/L	5	-			0.0049 J	0.0018 J	

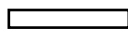
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TABLE 1
IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #1

Location ID				P-1 C-2	P-1 C-2	P-1 C-2	P-1 C-3	P-1 C-3
Sample ID				P-1 C-2 0-1	P-1 C-2 7-8	P-1 C-2 14-15	P-1 C-3 0-1	P-1 C-3 5-6
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				0.0-1.0	7.0-8.0	14.0-15.0	0.0-1.0	5.0-6.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
RCRA Characteristics								
Corrosivity	SU	2-12.5	-	11.3	8.58	8.74	8.85	8.68
FlashPoint	DEG F	<140	-	176.0 >	176.0 >	176.0 >	176.0 >	176.0 >
Reactive Sulfide	MG/KG	500	-					

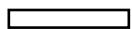
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IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #1

Location ID				P-1 C-3	P-1 D-1	P-1 D-1	P-1 D-1	P-1 D-2
Sample ID				P-1 C-3 11-12	P-1 D-1 0-1	P-1 D-1 7-8	P-1 D-1 14-15	P-1 D-2 0-1
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				11.0-12.0	0.0-1.0	7.0-8.0	14.0-15.0	0.0-1.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
TCLP Volatile Organic Compounds								
1,1-Dichloroethene	MG/L	0.7	-					
Trichloroethene	MG/L	0.5	-					
TCLP Semivolatile Organic Compounds								
2-Methylphenol (o-cresol)	MG/L	200	-					
3-Methylphenol (m-cresol)	MG/L	200	-	0.0014 J				
4-Methylphenol (p-cresol)	MG/L	200	-	0.0014 J				
Hexachlorobenzene	MG/L	0.13	-					
Polychlorinated Biphenyls								
Aroclor 1242	MG/KG	-	50					
Aroclor 1248	MG/KG	-	50		2.1		2.7	37
Aroclor 1254	MG/KG	-	50	12		14	2.5	18
Aroclor 1260	MG/KG	-	50	1.2	0.77		1.4	
Total Polychlorinated Biphenyls	MG/KG	-	50	13.2	2.87	14	6.6	55
TCLP Metals								
Arsenic	MG/L	5	-		0.0058 J		0.0064 J	0.0056 J
Barium	MG/L	100	-	0.24 B	0.16 B	0.25 B	0.32 B	0.43 B
Cadmium	MG/L	1	-	0.0074		0.0075	0.0014 J	0.015
Chromium	MG/L	5	-	0.0068 B	0.021 B	0.0087 B	0.0014 JB	0.0051 B
Lead	MG/L	5	-	0.018		0.014	0.0053 J	0.0061 J
Mercury	MG/L	0.2	-					
Selenium	MG/L	1	-		0.013 J	0.016 J	0.012 J	
Silver	MG/L	5	-					

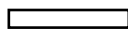
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IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #1

Location ID				P-1 C-3	P-1 D-1	P-1 D-1	P-1 D-1	P-1 D-2
Sample ID				P-1 C-3 11-12	P-1 D-1 0-1	P-1 D-1 7-8	P-1 D-1 14-15	P-1 D-2 0-1
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				11.0-12.0	0.0-1.0	7.0-8.0	14.0-15.0	0.0-1.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
RCRA Characteristics								
Corrosivity	SU	2-12.5	-	8.30	10.5	8.51	8.93	8.79
FlashPoint	DEG F	<140	-	176.0 >	176.0 >	176.0 >	176.0 >	176.0 >
Reactive Sulfide	MG/KG	500	-	6.0 J				4.0 J

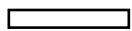
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IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #1

Location ID				P-1 D-2	P-1 D-2	P-1 D-3	P-1 D-3	P-1 D-3
Sample ID				P-1 D-2 7-8	P-1 D-2 14-15	P-1 D-3 0-1	P-1 D-3 7-8	P-1 D-3 14-15
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				7.0-8.0	14.0-15.0	0.0-1.0	7.0-8.0	14.0-15.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
TCLP Volatile Organic Compounds								
1,1-Dichloroethene	MG/L	0.7	-					
Trichloroethene	MG/L	0.5	-		0.0069 J			
TCLP Semivolatile Organic Compounds								
2-Methylphenol (o-cresol)	MG/L	200	-					
3-Methylphenol (m-cresol)	MG/L	200	-		0.0011 J			
4-Methylphenol (p-cresol)	MG/L	200	-		0.0011 J			
Hexachlorobenzene	MG/L	0.13	-					
Polychlorinated Biphenyls								
Aroclor 1242	MG/KG	-	50					
Aroclor 1248	MG/KG	-	50	2.3		22	0.87	0.98
Aroclor 1254	MG/KG	-	50	2.5		29	4.1	0.89
Aroclor 1260	MG/KG	-	50	0.45		2.6	0.75	0.76
Total Polychlorinated Biphenyls	MG/KG	-	50	5.25	ND	53.6	5.72	2.63
TCLP Metals								
Arsenic	MG/L	5	-			0.0090 J	0.022	
Barium	MG/L	100	-	0.46 B	0.35 B	0.58 B	0.45 B	0.38 B
Cadmium	MG/L	1	-	0.014		0.044	0.0019 J	0.0041
Chromium	MG/L	5	-	0.0022 JB	0.0032 JB	0.012	0.0074 B	0.0023 JB
Lead	MG/L	5	-	0.0086 J	0.0057 J	0.14	0.081	0.012
Mercury	MG/L	0.2	-					
Selenium	MG/L	1	-					
Silver	MG/L	5	-					

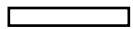
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IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #1

Location ID				P-1 D-2	P-1 D-2	P-1 D-3	P-1 D-3	P-1 D-3
Sample ID				P-1 D-2 7-8	P-1 D-2 14-15	P-1 D-3 0-1	P-1 D-3 7-8	P-1 D-3 14-15
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				7.0-8.0	14.0-15.0	0.0-1.0	7.0-8.0	14.0-15.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
RCRA Characteristics								
Corrosivity	SU	2-12.5	-	8.74	8.87	8.98	8.89	8.82
FlashPoint	DEG F	<140	-	176.0 >	176.0 >	176.0 >	176.0 >	176.0 >
Reactive Sulfide	MG/KG	500	-					

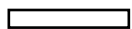
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Table 2
IRM PDIR
Tonawanda Forge Site
Asbestos Survey Summary

Sample ID	Sample Date	Asbestos Containing (Y/N)	Material Description	Sample Location	% Asbestos by PLM	% Asbestos by TEM
Pile #1						
P1R3-R2	5/19/2014	N	Black Coating on Concrete	Pile #1, Grids B-3, C-3 and D-3	No Asbestos Detected	Trace (< 1%)
P1R3-R1	5/19/2014	N	Black Built Up Roofing	Pile #1, Grids A-3, B-3, C-3 and D-3	No Asbestos Detected	No Asbestos Detected
P1R2-R1	5/19/2014	N	Black Built Up Roofing	Pile #1, Grids A-2, B-2, C-2 and D-2	No Asbestos Detected	Trace (< 1%)
P12A-R2	5/19/2014	N	Black Coating on Concrete	Pile #1, Grid A-2	Trace (< 1%)	Trace (< 1%)
P1R1-R1	5/19/2014	N	Black Built Up Roofing	Pile #1, Grids A-1, B-1, C-1 and D-1	No Asbestos Detected	Trace (< 1%)
Pile #2						
P21B-R1	5/19/2014	N	Black Built Up Roofing	Pile #2, Grid B-1	No Asbestos Detected	Trace (< 1%)
Pile #3						
P31A-R1	5/19/2014	N	Black Built Up Roofing	Pile #3, Grid A-1	No Asbestos Detected	Trace (< 1%)
P31B-R1	5/19/2014	N	Black Built Up Roofing	Pile #3, Grid B-1	No Asbestos Detected	No Asbestos Detected
P31C-R1	5/19/2014	N	Black Built Up Roofing	Pile #3, Grid C-1	No Asbestos Detected	Trace (< 1%)

TABLE 3
IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #2

Location ID				P-2 A-1	P-2 A-1	P-2 B-1	P-2 B-1
Sample ID				P-2 A-1 0-1	P-2 A-1 5-6	P-2 B-1 0-1	P-2 B-1 5-6
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				0.0-1.0	5.0-6.0	0.0-1.0	5.0-6.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)				
TCLP Volatile Organic Compounds							
1,1-Dichloroethene	MG/L	0.7	-	0.029		0.0051 J	0.026
Polychlorinated Biphenyls							
Aroclor 1248	MG/KG	-	50	1.3	4.3	2.1	2.2
Aroclor 1254	MG/KG	-	50	1.8	5.8	2.1	1.9
Total Polychlorinated Biphenyls	MG/KG	-	50	3.1	10.1	4.2	4.1
TCLP Metals							
Arsenic	MG/L	5	-		0.055	0.032	0.018
Barium	MG/L	100	-	0.83 B	0.58 B	0.90 B	0.66 B
Cadmium	MG/L	1	-	0.00085 J	0.0059	0.013	0.0077
Chromium	MG/L	5	-	0.0091 B	0.058 B	0.18 B	0.084 B
Lead	MG/L	5	-	0.011	0.079	0.23	0.23
Mercury	MG/L	0.2	-		0.00036	0.00015 J	0.00096
Selenium	MG/L	1	-	0.015 J		0.015 J	0.011 J
RCRA Characteristics							
Corrosivity	SU	2-12.5	-	8.23	8.57	8.36	8.16
FlashPoint	DEG F	<140	-	176.0 >	176.0 >	176.0 >	176.0 >

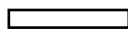
Criteria (1)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

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Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

Samples analyzed by TestAmerica Laboratories, Inc.

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TABLE 4
IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #3

Location ID				P-3 A-1	P-3 A-1	P-3 A-1	P-3 B-1	P-3 B-1
Sample ID				P-3 A-1 0-1	P-3 A-1 5-6	P-3 A-1 11-12	P-3 B-1 0-1	P-3 B-1 5-6
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				0.0-1.0	5.0-6.0	11.0-12.0	0.0-1.0	5.0-6.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)					
TCLP Volatile Organic Compounds								
1,1-Dichloroethene	MG/L	0.7	-					
TCLP Semivolatile Organic Compounds								
3-Methylphenol (m-cresol)	MG/L	200	-		0.00054 J	0.0044 J		
4-Methylphenol (p-cresol)	MG/L	200	-		0.00054 J	0.0044 J		
Polychlorinated Biphenyls								
Aroclor 1248	MG/KG	-	50	52	160		2.9	
Aroclor 1254	MG/KG	-	50	100	400	250	3.2	80
Aroclor 1260	MG/KG	-	50				1.0	
Total Polychlorinated Biphenyls	MG/KG	-	50	152	560	250	7.1	80
TCLP Metals								
Arsenic	MG/L	5	-	0.020			0.0063 J	
Barium	MG/L	100	-	0.84 B	0.33 B	0.40 B	0.48 B	0.33 B
Cadmium	MG/L	1	-	0.028	0.034	0.045	0.014	0.018
Chromium	MG/L	5	-	0.12 B	0.012 B	0.020 B	0.0094 B	0.0098 B
Lead	MG/L	5	-	0.52	0.091	0.49	0.0050 J	0.0063 J
Mercury	MG/L	0.2	-	0.00021				
Selenium	MG/L	1	-	0.011 J	0.014 J	0.011 J	0.014 J	0.015 J
Silver	MG/L	5	-					
RCRA Characteristics								
Corrosivity	SU	2-12.5	-	8.00	8.28	8.11	7.95	7.63
FlashPoint	DEG F	<140	-	176.0 >	176.0 >	176.0 >	176.0 >	176.0 >

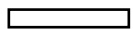
Criteria (1)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Criteria (2)- 40 CFR Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, and 6 NYCRR Part 371.4 (e).

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

Samples analyzed by TestAmerica Laboratories, Inc.

> - The flashpoint is higher than the temperature listed. Empty cell or ND - Not detected. J - The reported concentration is an estimated value.

* or ^ - Laboratory quality control outlier; The reported concentration may be an estimated value.

B - The compound has been detected in an associated method blank.

Only Detected Results Reported.

TABLE 4
IRM PDIR
TONAWANDA FORGE SITE
C&D SAMPLES - PILE #3

Location ID				P-3 B-1	P-3 C-1	P-3 C-1	P-3 C-1
Sample ID				P-3 B-1 11-12	P-3 C-1 0-1	P-3 C-1 5-6	P-3 C-1 11-12
Matrix				Constr. Debris	Constr. Debris	Constr. Debris	Constr. Debris
Depth Interval (ft)				11.0-12.0	0.0-1.0	5.0-6.0	11.0-12.0
Date Sampled				05/19/14	05/19/14	05/19/14	05/19/14
Parameter	Units	Criteria (1)	Criteria (2)				
TCLP Volatile Organic Compounds							
1,1-Dichloroethene	MG/L	0.7	-				0.0076 J
TCLP Semivolatile Organic Compounds							
3-Methylphenol (m-cresol)	MG/L	200	-				
4-Methylphenol (p-cresol)	MG/L	200	-				
Polychlorinated Biphenyls							
Aroclor 1248	MG/KG	-	50		7.0	14	22
Aroclor 1254	MG/KG	-	50	36	8.1	14	14
Aroclor 1260	MG/KG	-	50		2.5	3.4	4.3
Total Polychlorinated Biphenyls	MG/KG	-	50	36	17.6	31.4	40.3
TCLP Metals							
Arsenic	MG/L	5	-	0.033	0.0070 J	0.040	0.047
Barium	MG/L	100	-	0.61 B	0.58 B	2.0 B	2.2 B
Cadmium	MG/L	1	-	0.014	0.045	0.058	0.051
Chromium	MG/L	5	-	0.23 B	0.0068 B	0.35 B	0.41 B
Lead	MG/L	5	-	0.45	0.045	1.7	1.7
Mercury	MG/L	0.2	-	0.00012 J		0.0013	0.0021
Selenium	MG/L	1	-				0.014 J
Silver	MG/L	5	-			0.0059 J	0.0068
RCRA Characteristics							
Corrosivity	SU	2-12.5	-	7.60	8.42	8.49	7.98
FlashPoint	DEG F	<140	-	176.0 >	176.0 >	176.0 >	176.0 >

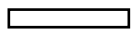
Criteria (1)- Hazardous Waste Criteria, 40 CFR Part 261, Subpart C - Characteristics of Hazardous Waste

Criteria (2)- 40 CFR Part 761, Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions, and 6 NYCRR Part 371.4 (e).

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

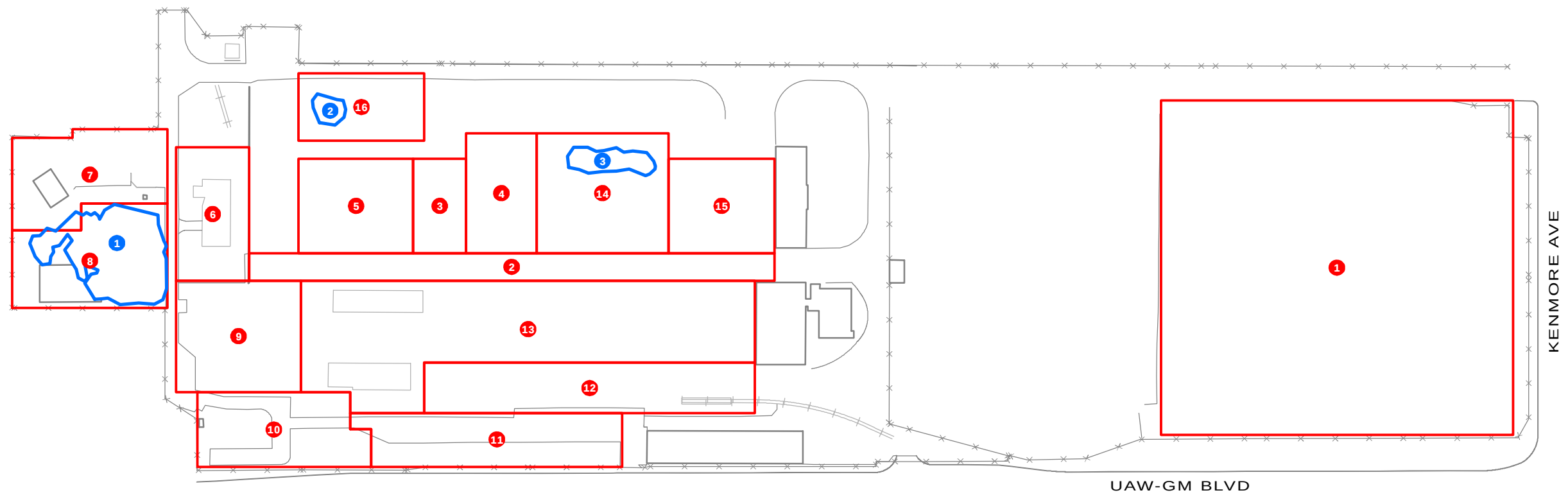
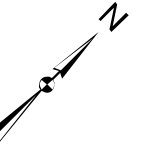
Samples analyzed by TestAmerica Laboratories, Inc.

> - The flashpoint is higher than the temperature listed. Empty cell or ND - Not detected. J - The reported concentration is an estimated value.

* or ^ - Laboratory quality control outlier; The reported concentration may be an estimated value.

B - The compound has been detected in an associated method blank.

Only Detected Results Reported.



Legend

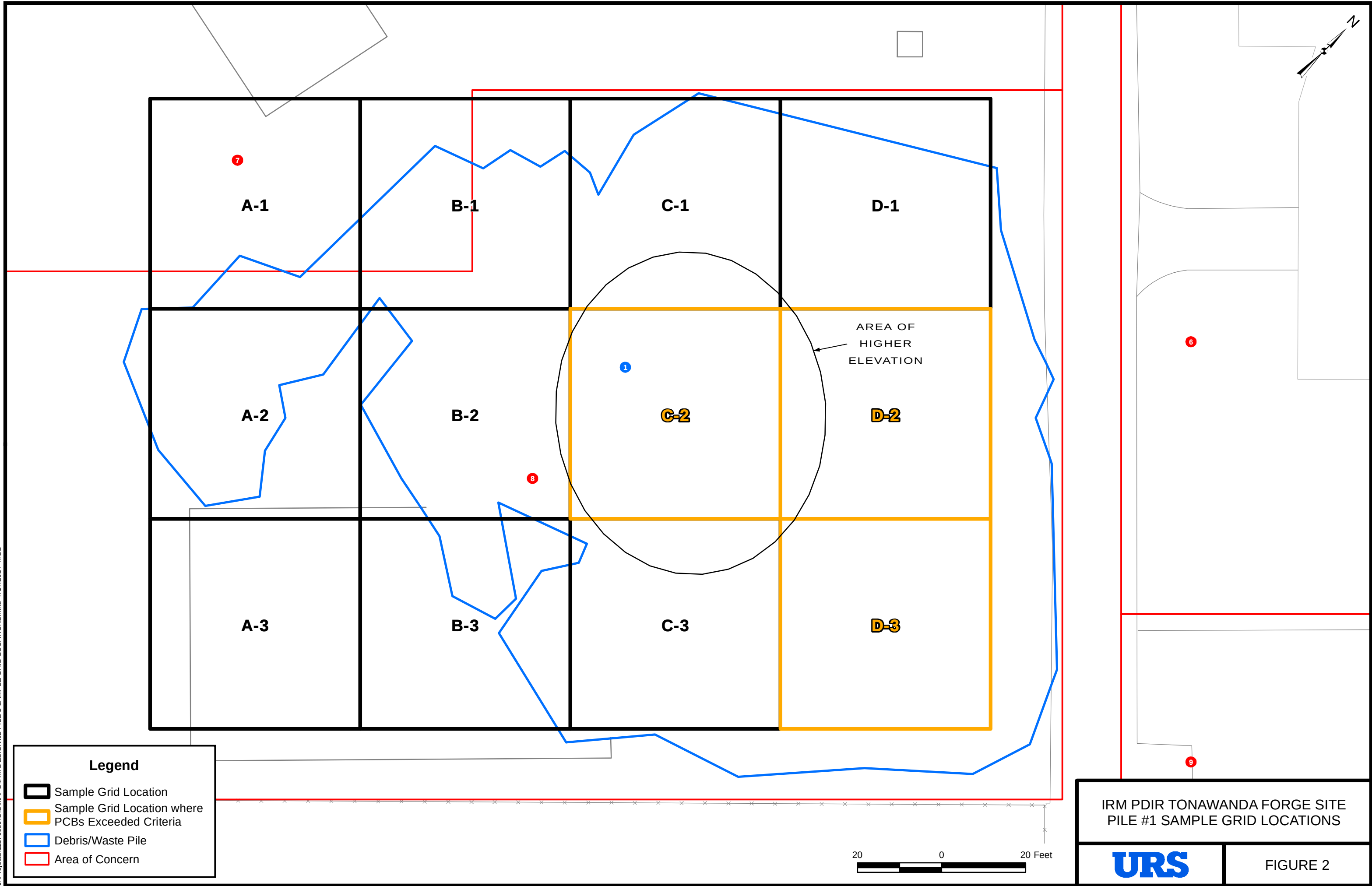
-  Debris/Waste Pile
-  Area of Concern

IRM PDIR TONAWANDA FORGE SITE
C&D PILE LOCATIONS

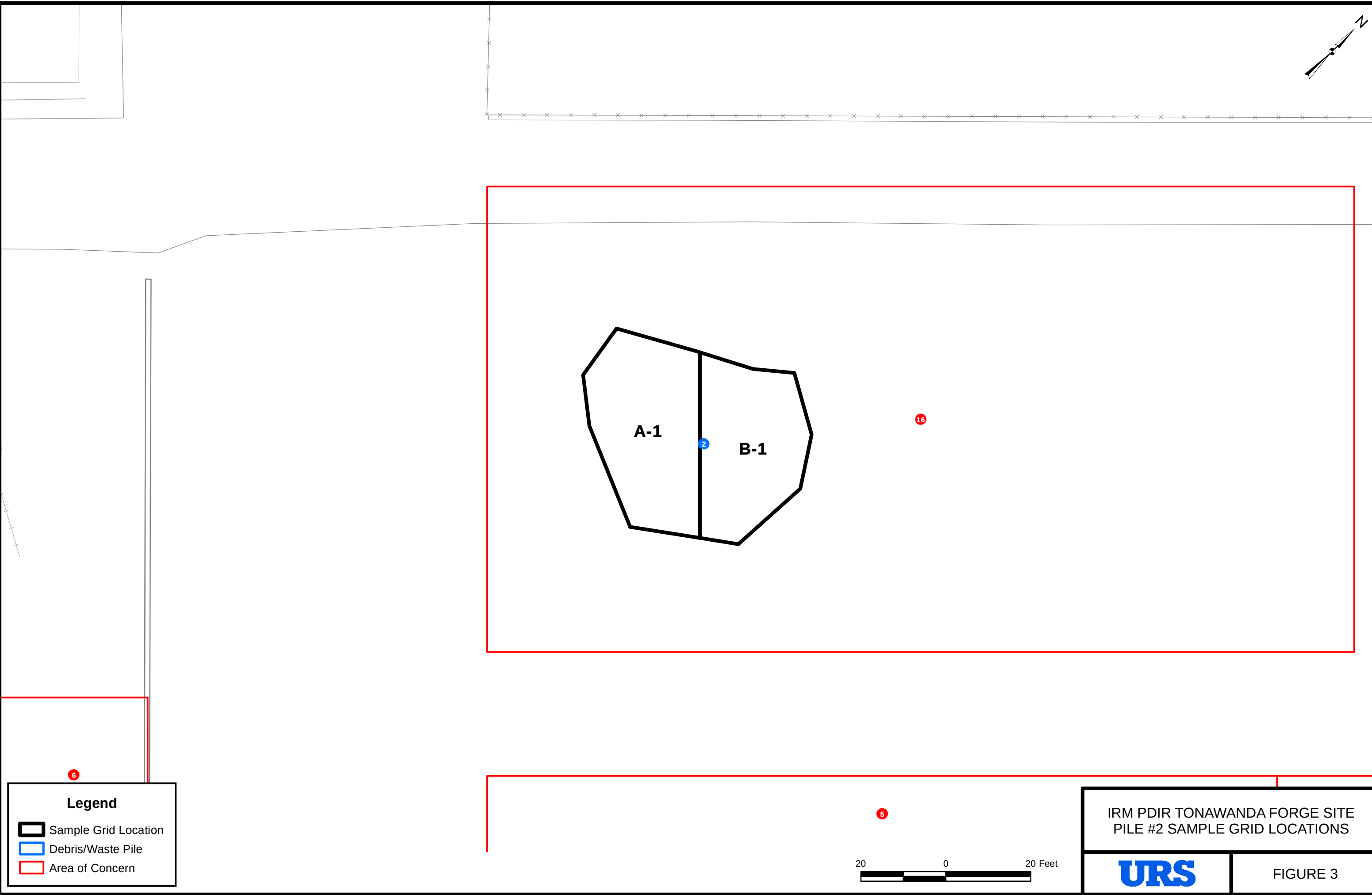


FIGURE 1

J:\Projects\11176999\GIS\MAPS\IRM DESIGN\02_PILE 1 SAMPLE GRID LOCATIONS.mxd 7/17/2014 MDL



J:\Projects\11176989\GIS\MAPS\IRM DESIGN\03_PILE 2 SAMPLE GRID LOCATIONS.mxd 7/14/2014 MDL

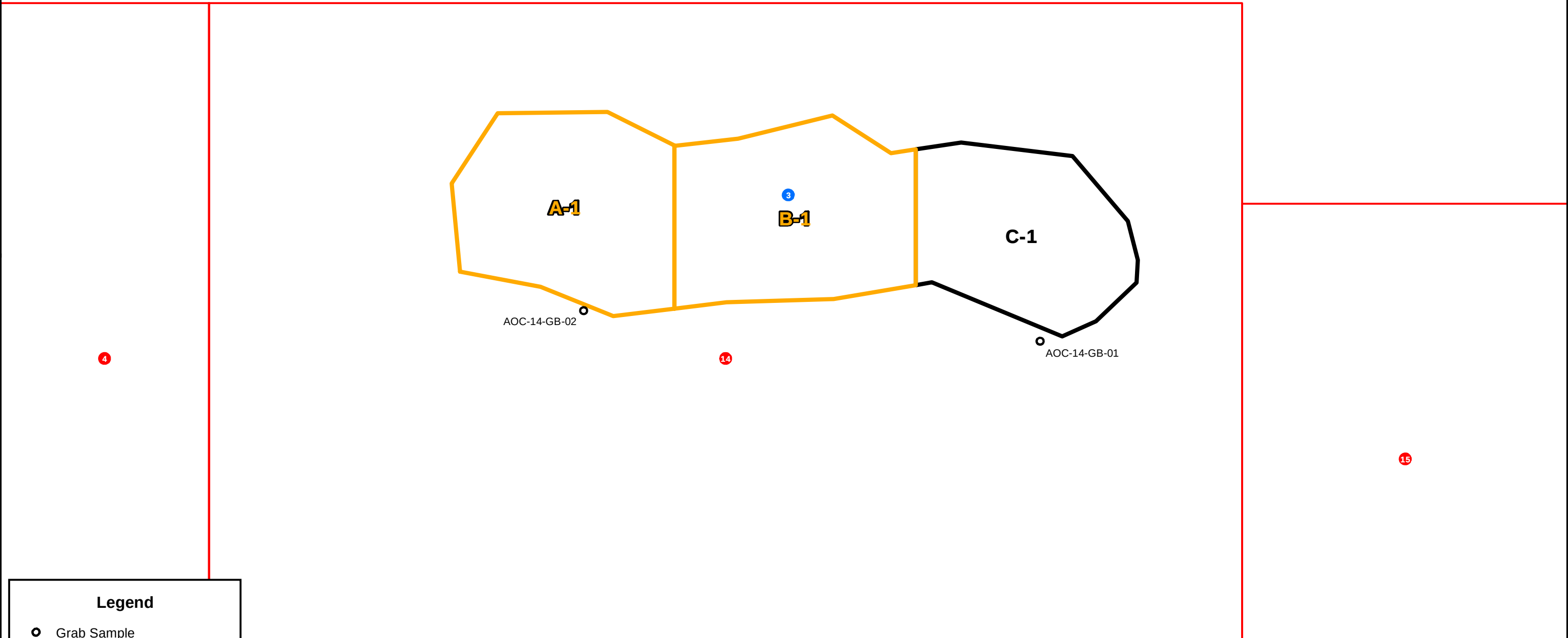
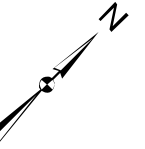


IRM PDIR TONAWANDA FORGE SITE
PILE #2 SAMPLE GRID LOCATIONS



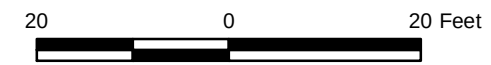
FIGURE 3

J:\Projects\11176989\GIS\MAPS\IRM DESIGN\04_PILE 3 SAMPLE GRID LOCATIONS.mxd 7/14/2014 MDL



Legend

- Grab Sample
- ▬ Sample Grid Location
- ▬ Sample Grid Location where PCBs Exceeded Criteria
- ▬ Debris/Waste Pile
- ▬ Area of Concern



IRM PDIR TONAWANDA FORGE SITE
PILE #3 SAMPLE GRID LOCATIONS



FIGURE 4

APPENDIX A

PHOTOGRAPHS

APPENDIX A-1

PILE #1













APPENDIX A-2

PILE #2



05/19/2014

APPENDIX A-3

PILE #3







APPENDIX B

CHEMICAL ANALYTICAL REPORTS

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-60207-1

Client Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

For:

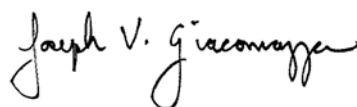
New York State D.E.C.

625 Broadway

11th Floor

Albany, New York 12233-3256

Attn: Mr. Dave Chiusano



Authorized for release by:

6/5/2014 3:36:47 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management

(716)504-9835

brian.fischer@testamericainc.com

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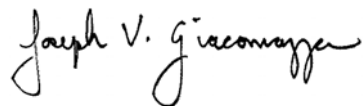
The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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- 10
- 11
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- 14
- 15

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.



Joe Giacomazza
Project Management Assistant II
6/5/2014 3:36:47 PM

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Definitions/Glossary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Qualifiers

GC/MS 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/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
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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)

Case Narrative

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Job ID: 480-60207-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-60207-1

Receipt

The samples were received on 5/19/2014 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 18.8° C and 22.7° C.

GC/MS VOA

Method(s) 8260C: The following sample(s) was diluted due to the nature of the TCLP matrix: P-1 B-2 4-5 (480-60207-1), P-1 B-3 0-1A (480-60207-2), P-1 B-3 0-1B (480-60207-4), P-1 B-3 4-5A (480-60207-3), P-1 B-3 4-5B (480-60207-5), P-1 C-2 0-1 (480-60207-6), P-1 C-2 14-15 (480-60207-7), P-1 C-2 7-8 (480-60207-8), P-1 D-2 0-1 (480-60207-9), P-1 D-2 14-15 (480-60207-11), P-1 D-2 7-8 (480-60207-10), P-1 D-3 0-1 (480-60207-12), P-1 D-3 7-8 (480-60207-13). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample(s) was diluted due to the nature of the TCLP sample matrix: (LB 480-184217/1-A). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample(s) was diluted due to the nature of the TCLP sample matrix: (LB 480-184425/1-A), P-1 C-3 0-1 (480-60207-15), P-1 C-3 11-12 (480-60207-17), P-1 C-3 5-6 (480-60207-16), P-1 D-3 14-15 (480-60207-14). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method(s) 8270D: Internal standard (ISTD) response for Perylene-d12 for the following samples were outside acceptance criteria: P-1 C-3 0-1 (480-60207-15), P-1 C-3 11-12 (480-60207-17), P-1 C-3 5-6 (480-60207-16), P-1 D-2 14-15 (480-60207-11), P-1 D-2 7-8 (480-60207-10), P-1 D-3 0-1 (480-60207-12), P-1 D-3 14-15 (480-60207-14), P-1 D-3 7-8 (480-60207-13). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

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

GC Semi VOA

Method(s) 8082A: The following samples were diluted due to the nature of the sample matrix: P-1 C-2 7-8 (480-60207-8), P-1 D-2 0-1 (480-60207-9). As such, surrogate recoveries are not representative, and elevated reporting limits (RLs) are provided.

Method(s) 8082A: The following samples were diluted due to the nature of the sample matrix: P-1 C-2 14-15 (480-60207-7), P-1 C-3 11-12 (480-60207-17), P-1 D-3 7-8 (480-60207-13). Elevated reporting limits (RLs) are provided.

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

Metals

Method(s) 6010C: The TCLP extraction blank for batch 480-184394 contained chromium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010C: The TCLP extraction blank for batch 480-184394 contained barium above the reporting limit (RL). Associated sample(s) P-1 B-2 4-5 (480-60207-1), P-1 B-3 0-1A (480-60207-2), P-1 B-3 0-1B (480-60207-4), P-1 B-3 4-5A (480-60207-3), P-1 B-3 4-5B (480-60207-5), P-1 C-2 14-15 (480-60207-7), P-1 C-2 7-8 (480-60207-8), P-1 C-3 0-1 (480-60207-15), P-1 C-3 5-6 (480-60207-16), P-1 D-2 0-1 (480-60207-9), P-1 D-2 14-15 (480-60207-11), P-1 D-2 7-8 (480-60207-10), P-1 D-3 7-8 (480-60207-13) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method(s) 6010C: The analyte barium was detected in the TCLP extraction blank (LB) at a concentration above the TestAmerica Laboratories standard quantitation limit. Samples P-1 C-2 0-1 (480-60207-6), P-1 C-3 11-12 (480-60207-17) associated with the blank were evaluated and determined to be at least five times less than the TCLP Regulatory Limit. The sample data was therefore accepted and no corrective action was performed.

Method(s) 6010C: The method blank for batch 184393 contained barium above the method detection limit. This target analyte

Case Narrative

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Job ID: 480-60207-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

General Chemistry

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 184759.

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

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 B-2 4-5

Lab Sample ID: 480-60207-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Hexachlorobenzene	0.00084	J	0.0050	0.00051	mg/L	1			8270D	TCLP
4-Methylphenol	0.00039	J	0.010	0.00036	mg/L	1			8270D	TCLP
PCB-1248	0.36		0.24	0.048	mg/Kg	1	✱		8082A	Total/NA
PCB-1254	0.96		0.24	0.11	mg/Kg	1	✱		8082A	Total/NA
PCB-1260	0.73		0.24	0.11	mg/Kg	1	✱		8082A	Total/NA
Barium	0.37	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.0021		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.0072	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.025		0.010	0.0030	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.74		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 B-3 0-1A

Lab Sample ID: 480-60207-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
3-Methylphenol	0.0035	J	0.010	0.00040	mg/L	1			8270D	TCLP
2-Methylphenol	0.0011	J	0.0050	0.00040	mg/L	1			8270D	TCLP
4-Methylphenol	0.0035	J	0.010	0.00036	mg/L	1			8270D	TCLP
PCB-1248	2.9		0.25	0.049	mg/Kg	1	✱		8082A	Total/NA
PCB-1254	2.8		0.25	0.12	mg/Kg	1	✱		8082A	Total/NA
PCB-1260	1.5		0.25	0.12	mg/Kg	1	✱		8082A	Total/NA
Barium	0.35	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.0090		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.0068	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.026		0.010	0.0030	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.78		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 B-3 4-5A

Lab Sample ID: 480-60207-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	3.0		0.29	0.056	mg/Kg	1	✱		8082A	Total/NA
PCB-1254	2.1		0.29	0.13	mg/Kg	1	✱		8082A	Total/NA
PCB-1260	1.0		0.29	0.13	mg/Kg	1	✱		8082A	Total/NA
Arsenic	0.0057	J	0.015	0.0056	mg/L	1			6010C	TCLP
Barium	0.37	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.0033		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.029	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.032		0.010	0.0030	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.69		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 B-3 0-1B

Lab Sample ID: 480-60207-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	3.7		0.26	0.051	mg/Kg	1	✱		8082A	Total/NA
PCB-1254	2.8		0.26	0.12	mg/Kg	1	✱		8082A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 B-3 0-1B (Continued)

Lab Sample ID: 480-60207-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1260	0.97		0.26	0.12	mg/Kg	1		✱	8082A	Total/NA
Barium	0.44	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.0066		0.0020	0.00050	mg/L	1			6010C	TCLP
Lead	0.0049	J	0.010	0.0030	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.65		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 B-3 4-5B

Lab Sample ID: 480-60207-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
3-Methylphenol	0.0075	J	0.010	0.00040	mg/L	1			8270D	TCLP
2-Methylphenol	0.0027	J	0.0050	0.00040	mg/L	1			8270D	TCLP
4-Methylphenol	0.0075	J	0.010	0.00036	mg/L	1			8270D	TCLP
PCB-1248	3.1		0.29	0.056	mg/Kg	1		✱	8082A	Total/NA
PCB-1254	3.4		0.29	0.14	mg/Kg	1		✱	8082A	Total/NA
PCB-1260	3.3		0.29	0.14	mg/Kg	1		✱	8082A	Total/NA
Barium	0.39	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.44		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.0039	J B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.011		0.010	0.0030	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.56		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 C-2 0-1

Lab Sample ID: 480-60207-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1242	0.25		0.25	0.049	mg/Kg	1		✱	8082A	Total/NA
Barium	0.15	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Chromium	0.020	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.0042	J	0.010	0.0030	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	11.3		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 C-2 14-15

Lab Sample ID: 480-60207-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	1.7		0.51	0.10	mg/Kg	2		✱	8082A	Total/NA
PCB-1254	4.8		0.51	0.24	mg/Kg	2		✱	8082A	Total/NA
PCB-1260	0.62		0.51	0.24	mg/Kg	2		✱	8082A	Total/NA
Arsenic	0.072		0.015	0.0056	mg/L	1			6010C	TCLP
Barium	1.3	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.039		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.30	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	2.8		0.010	0.0030	mg/L	1			6010C	TCLP
Silver	0.0049	J	0.0060	0.0017	mg/L	1			6010C	TCLP
Mercury	0.0022		0.00020	0.00012	mg/L	1			7470A_ASP	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 C-2 14-15 (Continued)

Lab Sample ID: 480-60207-7

Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.74		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 C-2 7-8

Lab Sample ID: 480-60207-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	44		5.2	1.0	mg/Kg	20		☼	8082A	Total/NA
PCB-1254	120		5.2	2.4	mg/Kg	20		☼	8082A	Total/NA
Barium	0.47	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.0087		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.0064	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.0084	J	0.010	0.0030	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.58		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 D-2 0-1

Lab Sample ID: 480-60207-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	37		4.9	0.95	mg/Kg	20		☼	8082A	Total/NA
PCB-1254	18		4.9	2.3	mg/Kg	20		☼	8082A	Total/NA
Arsenic	0.0056	J	0.015	0.0056	mg/L	1			6010C	TCLP
Barium	0.43	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.015		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.0051	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.0061	J	0.010	0.0030	mg/L	1			6010C	TCLP
Sulfide, Reactive	4.0	J	10.0	0.57	mg/Kg	1			9034	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.79		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 D-2 7-8

Lab Sample ID: 480-60207-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	2.3		0.24	0.046	mg/Kg	1		☼	8082A	Total/NA
PCB-1254	2.5		0.24	0.11	mg/Kg	1		☼	8082A	Total/NA
PCB-1260	0.45		0.24	0.11	mg/Kg	1		☼	8082A	Total/NA
Barium	0.46	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.014		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.0022	J B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.0086	J	0.010	0.0030	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.74		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 D-2 14-15

Lab Sample ID: 480-60207-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	0.0069	J	0.010	0.0046	mg/L	10			8260C	TCLP
3-Methylphenol	0.0011	J	0.010	0.00040	mg/L	1			8270D	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 D-2 14-15 (Continued)

Lab Sample ID: 480-60207-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Methylphenol	0.0011	J	0.010	0.00036	mg/L	1		8270D	TCLP
Barium	0.35	B	0.0020	0.00070	mg/L	1		6010C	TCLP
Chromium	0.0032	J B	0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.0057	J	0.010	0.0030	mg/L	1		6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.87		0.100	0.100	SU	1		9045D	Total/NA

Client Sample ID: P-1 D-3 0-1

Lab Sample ID: 480-60207-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	22		1.1	0.22	mg/Kg	5	✱	8082A	Total/NA
PCB-1254	29		1.1	0.52	mg/Kg	5	✱	8082A	Total/NA
PCB-1260	2.6		1.1	0.52	mg/Kg	5	✱	8082A	Total/NA
Arsenic	0.0090	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.58	B	0.0020	0.00070	mg/L	1		6010C	TCLP
Cadmium	0.044		0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.012		0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.14		0.010	0.0030	mg/L	1		6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.98		0.100	0.100	SU	1		9045D	Total/NA

Client Sample ID: P-1 D-3 7-8

Lab Sample ID: 480-60207-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.87		0.47	0.091	mg/Kg	2	✱	8082A	Total/NA
PCB-1254	4.1		0.47	0.22	mg/Kg	2	✱	8082A	Total/NA
PCB-1260	0.75		0.47	0.22	mg/Kg	2	✱	8082A	Total/NA
Arsenic	0.022		0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.45	B	0.0020	0.00070	mg/L	1		6010C	TCLP
Cadmium	0.0019	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.0074	B	0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.081		0.010	0.0030	mg/L	1		6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.89		0.100	0.100	SU	1		9045D	Total/NA

Client Sample ID: P-1 D-3 14-15

Lab Sample ID: 480-60207-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1248	0.98		0.25	0.048	mg/Kg	1	✱	8082A	Total/NA
PCB-1254	0.89		0.25	0.12	mg/Kg	1	✱	8082A	Total/NA
PCB-1260	0.76		0.25	0.12	mg/Kg	1	✱	8082A	Total/NA
Barium	0.38	B	0.0020	0.00070	mg/L	1		6010C	TCLP
Cadmium	0.0041		0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.0023	J B	0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.012		0.010	0.0030	mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 D-3 14-15 (Continued)

Lab Sample ID: 480-60207-14

Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.82		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 C-3 0-1

Lab Sample ID: 480-60207-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	0.59		0.25	0.048	mg/Kg	1		☼	8082A	Total/NA
PCB-1254	0.86		0.25	0.12	mg/Kg	1		☼	8082A	Total/NA
PCB-1260	0.41		0.25	0.12	mg/Kg	1		☼	8082A	Total/NA
Arsenic	0.011	J	0.015	0.0056	mg/L	1			6010C	TCLP
Barium	0.75	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.011		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.051	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.17		0.010	0.0030	mg/L	1			6010C	TCLP
Silver	0.0018	J	0.0060	0.0017	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.85		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 C-3 5-6

Lab Sample ID: 480-60207-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1242	2.5		0.20	0.040	mg/Kg	1		☼	8082A	Total/NA
PCB-1254	2.1		0.20	0.095	mg/Kg	1		☼	8082A	Total/NA
PCB-1260	0.62		0.20	0.095	mg/Kg	1		☼	8082A	Total/NA
Barium	0.38	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.033		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.0020	J B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.038		0.010	0.0030	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.68		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-1 C-3 11-12

Lab Sample ID: 480-60207-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
3-Methylphenol	0.0014	J	0.010	0.00040	mg/L	1			8270D	TCLP
4-Methylphenol	0.0014	J	0.010	0.00036	mg/L	1			8270D	TCLP
PCB-1254	12		1.1	0.51	mg/Kg	5		☼	8082A	Total/NA
PCB-1260	1.2		1.1	0.51	mg/Kg	5		☼	8082A	Total/NA
Barium	0.24	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.0074		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.0068	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.018		0.010	0.0030	mg/L	1			6010C	TCLP
Sulfide, Reactive	6.0	J	10.0	0.57	mg/Kg	1			9034	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.30		0.100	0.100	SU	1			9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 B-2 4-5

Lab Sample ID: 480-60207-1

Date Collected: 05/19/14 13:40

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 04:57	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 04:57	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 04:57	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 04:57	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 04:57	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 04:57	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 04:57	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 04:57	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 04:57	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 04:57	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137		05/29/14 04:57	10
4-Bromofluorobenzene (Surr)	103		73 - 120		05/29/14 04:57	10
Toluene-d8 (Surr)	97		71 - 126		05/29/14 04:57	10

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		05/30/14 05:46	06/03/14 20:23	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/03/14 20:23	1
Hexachlorobenzene	0.00084	J	0.0050	0.00051	mg/L		05/30/14 05:46	06/03/14 20:23	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/03/14 20:23	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/03/14 20:23	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/03/14 20:23	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/03/14 20:23	1
4-Methylphenol	0.00039	J	0.010	0.00036	mg/L		05/30/14 05:46	06/03/14 20:23	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/03/14 20:23	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/03/14 20:23	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/03/14 20:23	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/03/14 20:23	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/03/14 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	90		52 - 132	05/30/14 05:46	06/03/14 20:23	1
2-Fluorobiphenyl	70		48 - 120	05/30/14 05:46	06/03/14 20:23	1
2-Fluorophenol	41		20 - 120	05/30/14 05:46	06/03/14 20:23	1
Nitrobenzene-d5	71		46 - 120	05/30/14 05:46	06/03/14 20:23	1
p-Terphenyl-d14	90		67 - 150	05/30/14 05:46	06/03/14 20:23	1
Phenol-d5	30		16 - 120	05/30/14 05:46	06/03/14 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.048	mg/Kg	☼	05/21/14 19:56	05/23/14 14:53	1
PCB-1221	ND		0.24	0.048	mg/Kg	☼	05/21/14 19:56	05/23/14 14:53	1
PCB-1232	ND		0.24	0.048	mg/Kg	☼	05/21/14 19:56	05/23/14 14:53	1
PCB-1242	ND		0.24	0.048	mg/Kg	☼	05/21/14 19:56	05/23/14 14:53	1
PCB-1248	0.36		0.24	0.048	mg/Kg	☼	05/21/14 19:56	05/23/14 14:53	1
PCB-1254	0.96		0.24	0.11	mg/Kg	☼	05/21/14 19:56	05/23/14 14:53	1
PCB-1260	0.73		0.24	0.11	mg/Kg	☼	05/21/14 19:56	05/23/14 14:53	1
PCB-1262	ND		0.24	0.11	mg/Kg	☼	05/21/14 19:56	05/23/14 14:53	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 B-2 4-5

Lab Sample ID: 480-60207-1

Date Collected: 05/19/14 13:40

Matrix: Solid

Date Received: 05/19/14 16:50

Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		0.24	0.11	mg/Kg	☼	05/21/14 19:56	05/23/14 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		46 - 175				05/21/14 19:56	05/23/14 14:53	1
DCB Decachlorobiphenyl	109		47 - 176				05/21/14 19:56	05/23/14 14:53	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		05/28/14 13:40	05/30/14 20:29	1
Barium	0.37	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 20:29	1
Cadmium	0.0021		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 20:29	1
Chromium	0.0072	B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 20:29	1
Lead	0.025		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 20:29	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 20:29	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 20:29	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/27/14 23:20	05/28/14 10:32	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/27/14 23:20	05/30/14 00:20	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/28/14 08:37	1
pH	8.74		0.100	0.100	SU			05/23/14 21:20	1

Client Sample ID: P-1 B-3 0-1A

Lab Sample ID: 480-60207-2

Date Collected: 05/19/14 14:05

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 05:22	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 05:22	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 05:22	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 05:22	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 05:22	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 05:22	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 05:22	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 05:22	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 05:22	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 05:22	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137					05/29/14 05:22	10
4-Bromofluorobenzene (Surr)	105		73 - 120					05/29/14 05:22	10
Toluene-d8 (Surr)	96		71 - 126					05/29/14 05:22	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 B-3 0-1A

Lab Sample ID: 480-60207-2

Date Collected: 05/19/14 14:05

Matrix: Solid

Date Received: 05/19/14 16:50

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		05/30/14 05:46	06/03/14 20:46	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/03/14 20:46	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/03/14 20:46	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/03/14 20:46	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/03/14 20:46	1
3-Methylphenol	0.0035	J	0.010	0.00040	mg/L		05/30/14 05:46	06/03/14 20:46	1
2-Methylphenol	0.0011	J	0.0050	0.00040	mg/L		05/30/14 05:46	06/03/14 20:46	1
4-Methylphenol	0.0035	J	0.010	0.00036	mg/L		05/30/14 05:46	06/03/14 20:46	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/03/14 20:46	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/03/14 20:46	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/03/14 20:46	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/03/14 20:46	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/03/14 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	90		52 - 132	05/30/14 05:46	06/03/14 20:46	1
2-Fluorobiphenyl	74		48 - 120	05/30/14 05:46	06/03/14 20:46	1
2-Fluorophenol	44		20 - 120	05/30/14 05:46	06/03/14 20:46	1
Nitrobenzene-d5	76		46 - 120	05/30/14 05:46	06/03/14 20:46	1
p-Terphenyl-d14	87		67 - 150	05/30/14 05:46	06/03/14 20:46	1
Phenol-d5	32		16 - 120	05/30/14 05:46	06/03/14 20:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	✱	05/21/14 19:56	05/23/14 15:09	1
PCB-1221	ND		0.25	0.049	mg/Kg	✱	05/21/14 19:56	05/23/14 15:09	1
PCB-1232	ND		0.25	0.049	mg/Kg	✱	05/21/14 19:56	05/23/14 15:09	1
PCB-1242	ND		0.25	0.049	mg/Kg	✱	05/21/14 19:56	05/23/14 15:09	1
PCB-1248	2.9		0.25	0.049	mg/Kg	✱	05/21/14 19:56	05/23/14 15:09	1
PCB-1254	2.8		0.25	0.12	mg/Kg	✱	05/21/14 19:56	05/23/14 15:09	1
PCB-1260	1.5		0.25	0.12	mg/Kg	✱	05/21/14 19:56	05/23/14 15:09	1
PCB-1262	ND		0.25	0.12	mg/Kg	✱	05/21/14 19:56	05/23/14 15:09	1
PCB-1268	ND		0.25	0.12	mg/Kg	✱	05/21/14 19:56	05/23/14 15:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	74		46 - 175	05/21/14 19:56	05/23/14 15:09	1
DCB Decachlorobiphenyl	101		47 - 176	05/21/14 19:56	05/23/14 15:09	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		05/28/14 13:40	05/30/14 20:31	1
Barium	0.35	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 20:31	1
Cadmium	0.0090		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 20:31	1
Chromium	0.0068	B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 20:31	1
Lead	0.026		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 20:31	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 20:31	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 20:31	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:04	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 B-3 0-1A

Lab Sample ID: 480-60207-2

Date Collected: 05/19/14 14:05

Matrix: Solid

Date Received: 05/19/14 16:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/28/14 23:45	05/30/14 08:40	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/28/14 23:45	05/30/14 01:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/28/14 08:37	1
pH	8.78		0.100	0.100	SU			05/23/14 21:24	1

Client Sample ID: P-1 B-3 4-5A

Lab Sample ID: 480-60207-3

Date Collected: 05/19/14 14:00

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 05:45	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 05:45	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 05:45	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 05:45	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 05:45	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 05:45	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 05:45	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 05:45	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 05:45	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 05:45	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137					05/29/14 05:45	10
4-Bromofluorobenzene (Surr)	104		73 - 120					05/29/14 05:45	10
Toluene-d8 (Surr)	97		71 - 126					05/29/14 05:45	10

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		05/30/14 05:46	06/03/14 21:10	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/03/14 21:10	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/03/14 21:10	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/03/14 21:10	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/03/14 21:10	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/03/14 21:10	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/03/14 21:10	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/03/14 21:10	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/03/14 21:10	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/03/14 21:10	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/03/14 21:10	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/03/14 21:10	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/03/14 21:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	97		52 - 132				05/30/14 05:46	06/03/14 21:10	1
2-Fluorobiphenyl	81		48 - 120				05/30/14 05:46	06/03/14 21:10	1
2-Fluorophenol	49		20 - 120				05/30/14 05:46	06/03/14 21:10	1
Nitrobenzene-d5	85		46 - 120				05/30/14 05:46	06/03/14 21:10	1
p-Terphenyl-d14	90		67 - 150				05/30/14 05:46	06/03/14 21:10	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 B-3 4-5A

Lab Sample ID: 480-60207-3

Date Collected: 05/19/14 14:00

Matrix: Solid

Date Received: 05/19/14 16:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	35		16 - 120	05/30/14 05:46	06/03/14 21:10	1

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	☼	05/21/14 19:56	05/23/14 15:25	1
PCB-1221	ND		0.29	0.056	mg/Kg	☼	05/21/14 19:56	05/23/14 15:25	1
PCB-1232	ND		0.29	0.056	mg/Kg	☼	05/21/14 19:56	05/23/14 15:25	1
PCB-1242	ND		0.29	0.056	mg/Kg	☼	05/21/14 19:56	05/23/14 15:25	1
PCB-1248	3.0		0.29	0.056	mg/Kg	☼	05/21/14 19:56	05/23/14 15:25	1
PCB-1254	2.1		0.29	0.13	mg/Kg	☼	05/21/14 19:56	05/23/14 15:25	1
PCB-1260	1.0		0.29	0.13	mg/Kg	☼	05/21/14 19:56	05/23/14 15:25	1
PCB-1262	ND		0.29	0.13	mg/Kg	☼	05/21/14 19:56	05/23/14 15:25	1
PCB-1268	ND		0.29	0.13	mg/Kg	☼	05/21/14 19:56	05/23/14 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		46 - 175	05/21/14 19:56	05/23/14 15:25	1
DCB Decachlorobiphenyl	80		47 - 176	05/21/14 19:56	05/23/14 15:25	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		05/28/14 13:40	05/30/14 20:34	1
Barium	0.37	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 20:34	1
Cadmium	0.0033		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 20:34	1
Chromium	0.029	B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 20:34	1
Lead	0.032		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 20:34	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 20:34	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 20:34	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/28/14 23:45	05/30/14 08:40	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/28/14 23:45	05/30/14 01:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/28/14 08:37	1
pH	8.69		0.100	0.100	SU			05/23/14 21:28	1

Client Sample ID: P-1 B-3 0-1B

Lab Sample ID: 480-60207-4

Date Collected: 05/19/14 14:10

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 06:10	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 06:10	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 06:10	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 06:10	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 B-3 0-1B

Lab Sample ID: 480-60207-4

Date Collected: 05/19/14 14:10

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 06:10	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 06:10	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 06:10	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 06:10	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 06:10	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 06:10	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		05/29/14 06:10	10
4-Bromofluorobenzene (Surr)	102		73 - 120		05/29/14 06:10	10
Toluene-d8 (Surr)	96		71 - 126		05/29/14 06:10	10

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		05/30/14 05:46	06/03/14 21:34	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/03/14 21:34	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/03/14 21:34	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/03/14 21:34	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/03/14 21:34	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/03/14 21:34	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/03/14 21:34	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/03/14 21:34	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/03/14 21:34	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/03/14 21:34	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/03/14 21:34	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/03/14 21:34	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/03/14 21:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	95		52 - 132	05/30/14 05:46	06/03/14 21:34	1
2-Fluorobiphenyl	82		48 - 120	05/30/14 05:46	06/03/14 21:34	1
2-Fluorophenol	49		20 - 120	05/30/14 05:46	06/03/14 21:34	1
Nitrobenzene-d5	86		46 - 120	05/30/14 05:46	06/03/14 21:34	1
p-Terphenyl-d14	87		67 - 150	05/30/14 05:46	06/03/14 21:34	1
Phenol-d5	35		16 - 120	05/30/14 05:46	06/03/14 21:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.26	0.051	mg/Kg	☼	05/21/14 19:56	05/23/14 15:41	1
PCB-1221	ND		0.26	0.051	mg/Kg	☼	05/21/14 19:56	05/23/14 15:41	1
PCB-1232	ND		0.26	0.051	mg/Kg	☼	05/21/14 19:56	05/23/14 15:41	1
PCB-1242	ND		0.26	0.051	mg/Kg	☼	05/21/14 19:56	05/23/14 15:41	1
PCB-1248	3.7		0.26	0.051	mg/Kg	☼	05/21/14 19:56	05/23/14 15:41	1
PCB-1254	2.8		0.26	0.12	mg/Kg	☼	05/21/14 19:56	05/23/14 15:41	1
PCB-1260	0.97		0.26	0.12	mg/Kg	☼	05/21/14 19:56	05/23/14 15:41	1
PCB-1262	ND		0.26	0.12	mg/Kg	☼	05/21/14 19:56	05/23/14 15:41	1
PCB-1268	ND		0.26	0.12	mg/Kg	☼	05/21/14 19:56	05/23/14 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		46 - 175	05/21/14 19:56	05/23/14 15:41	1
DCB Decachlorobiphenyl	100		47 - 176	05/21/14 19:56	05/23/14 15:41	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 B-3 0-1B

Lab Sample ID: 480-60207-4

Date Collected: 05/19/14 14:10

Matrix: Solid

Date Received: 05/19/14 16:50

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/28/14 13:40	05/30/14 20:37	1
Barium	0.44	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 20:37	1
Cadmium	0.0066		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 20:37	1
Chromium	ND		0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 20:37	1
Lead	0.0049	J	0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 20:37	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 20:37	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 20:37	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/28/14 23:45	05/30/14 08:40	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/28/14 23:45	05/30/14 01:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/28/14 08:37	1
pH	8.65		0.100	0.100	SU			05/23/14 21:32	1

Client Sample ID: P-1 B-3 4-5B

Lab Sample ID: 480-60207-5

Date Collected: 05/19/14 14:15

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 06:33	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 06:33	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 06:33	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 06:33	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 06:33	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 06:33	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 06:33	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 06:33	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 06:33	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 06:33	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137					05/29/14 06:33	10
4-Bromofluorobenzene (Surr)	104		73 - 120					05/29/14 06:33	10
Toluene-d8 (Surr)	96		71 - 126					05/29/14 06:33	10

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		05/30/14 05:46	06/03/14 21:58	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/03/14 21:58	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/03/14 21:58	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/03/14 21:58	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/03/14 21:58	1
3-Methylphenol	0.0075	J	0.010	0.00040	mg/L		05/30/14 05:46	06/03/14 21:58	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 B-3 4-5B

Lab Sample ID: 480-60207-5

Date Collected: 05/19/14 14:15

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	0.0027	J	0.0050	0.00040	mg/L		05/30/14 05:46	06/03/14 21:58	1
4-Methylphenol	0.0075	J	0.010	0.00036	mg/L		05/30/14 05:46	06/03/14 21:58	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/03/14 21:58	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/03/14 21:58	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/03/14 21:58	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/03/14 21:58	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/03/14 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		52 - 132	05/30/14 05:46	06/03/14 21:58	1
2-Fluorobiphenyl	73		48 - 120	05/30/14 05:46	06/03/14 21:58	1
2-Fluorophenol	45		20 - 120	05/30/14 05:46	06/03/14 21:58	1
Nitrobenzene-d5	77		46 - 120	05/30/14 05:46	06/03/14 21:58	1
p-Terphenyl-d14	85		67 - 150	05/30/14 05:46	06/03/14 21:58	1
Phenol-d5	31		16 - 120	05/30/14 05:46	06/03/14 21:58	1

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	☼	05/21/14 19:56	05/23/14 15:57	1
PCB-1221	ND		0.29	0.056	mg/Kg	☼	05/21/14 19:56	05/23/14 15:57	1
PCB-1232	ND		0.29	0.056	mg/Kg	☼	05/21/14 19:56	05/23/14 15:57	1
PCB-1242	ND		0.29	0.056	mg/Kg	☼	05/21/14 19:56	05/23/14 15:57	1
PCB-1248	3.1		0.29	0.056	mg/Kg	☼	05/21/14 19:56	05/23/14 15:57	1
PCB-1254	3.4		0.29	0.14	mg/Kg	☼	05/21/14 19:56	05/23/14 15:57	1
PCB-1260	3.3		0.29	0.14	mg/Kg	☼	05/21/14 19:56	05/23/14 15:57	1
PCB-1262	ND		0.29	0.14	mg/Kg	☼	05/21/14 19:56	05/23/14 15:57	1
PCB-1268	ND		0.29	0.14	mg/Kg	☼	05/21/14 19:56	05/23/14 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		46 - 175	05/21/14 19:56	05/23/14 15:57	1
DCB Decachlorobiphenyl	104		47 - 176	05/21/14 19:56	05/23/14 15:57	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		05/28/14 13:40	05/30/14 20:40	1
Barium	0.39	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 20:40	1
Cadmium	0.44		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 20:40	1
Chromium	0.0039	J B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 20:40	1
Lead	0.011		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 20:40	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 20:40	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 20:40	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/28/14 23:45	05/30/14 08:40	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/28/14 23:45	05/30/14 01:50	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 B-3 4-5B

Lab Sample ID: 480-60207-5

Date Collected: 05/19/14 14:15

Matrix: Solid

Date Received: 05/19/14 16:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/28/14 08:37	1
pH	8.56		0.100	0.100	SU			05/23/14 21:37	1

Client Sample ID: P-1 C-2 0-1

Lab Sample ID: 480-60207-6

Date Collected: 05/19/14 14:25

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 06:57	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 06:57	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 06:57	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 06:57	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 06:57	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 06:57	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 06:57	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 06:57	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 06:57	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 06:57	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137					05/29/14 06:57	10
4-Bromofluorobenzene (Surr)	104		73 - 120					05/29/14 06:57	10
Toluene-d8 (Surr)	96		71 - 126					05/29/14 06:57	10

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		05/30/14 05:46	06/03/14 22:21	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/03/14 22:21	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/03/14 22:21	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/03/14 22:21	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/03/14 22:21	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/03/14 22:21	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/03/14 22:21	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/03/14 22:21	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/03/14 22:21	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/03/14 22:21	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/03/14 22:21	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/03/14 22:21	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/03/14 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	89		52 - 132				05/30/14 05:46	06/03/14 22:21	1
2-Fluorobiphenyl	73		48 - 120				05/30/14 05:46	06/03/14 22:21	1
2-Fluorophenol	45		20 - 120				05/30/14 05:46	06/03/14 22:21	1
Nitrobenzene-d5	77		46 - 120				05/30/14 05:46	06/03/14 22:21	1
p-Terphenyl-d14	88		67 - 150				05/30/14 05:46	06/03/14 22:21	1
Phenol-d5	32		16 - 120				05/30/14 05:46	06/03/14 22:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	05/21/14 19:56	05/23/14 16:13	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 C-2 0-1

Lab Sample ID: 480-60207-6

Date Collected: 05/19/14 14:25

Matrix: Solid

Date Received: 05/19/14 16:50

Percent Solids: 92.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		0.25	0.049	mg/Kg	☆	05/21/14 19:56	05/23/14 16:13	1
PCB-1232	ND		0.25	0.049	mg/Kg	☆	05/21/14 19:56	05/23/14 16:13	1
PCB-1242	0.25		0.25	0.049	mg/Kg	☆	05/21/14 19:56	05/23/14 16:13	1
PCB-1248	ND		0.25	0.049	mg/Kg	☆	05/21/14 19:56	05/23/14 16:13	1
PCB-1254	ND		0.25	0.12	mg/Kg	☆	05/21/14 19:56	05/23/14 16:13	1
PCB-1260	ND		0.25	0.12	mg/Kg	☆	05/21/14 19:56	05/23/14 16:13	1
PCB-1262	ND		0.25	0.12	mg/Kg	☆	05/21/14 19:56	05/23/14 16:13	1
PCB-1268	ND		0.25	0.12	mg/Kg	☆	05/21/14 19:56	05/23/14 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		46 - 175	05/21/14 19:56	05/23/14 16:13	1
DCB Decachlorobiphenyl	96		47 - 176	05/21/14 19:56	05/23/14 16:13	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		05/28/14 13:40	05/30/14 20:43	1
Barium	0.15	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 20:43	1
Cadmium	ND		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 20:43	1
Chromium	0.020	B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 20:43	1
Lead	0.0042	J	0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 20:43	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 20:43	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 20:43	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/28/14 23:45	05/30/14 08:40	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/28/14 23:45	05/30/14 01:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/28/14 08:37	1
pH	11.3		0.100	0.100	SU			05/23/14 21:41	1

Client Sample ID: P-1 C-2 14-15

Lab Sample ID: 480-60207-7

Date Collected: 05/19/14 14:20

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 07:21	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 07:21	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 07:21	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 07:21	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 07:21	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 07:21	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 07:21	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 07:21	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 07:21	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 C-2 14-15

Lab Sample ID: 480-60207-7

Date Collected: 05/19/14 14:20

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 07:21	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137		05/29/14 07:21	10
4-Bromofluorobenzene (Surr)	105		73 - 120		05/29/14 07:21	10
Toluene-d8 (Surr)	97		71 - 126		05/29/14 07:21	10

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		05/30/14 05:46	06/03/14 22:45	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/03/14 22:45	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/03/14 22:45	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/03/14 22:45	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/03/14 22:45	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/03/14 22:45	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/03/14 22:45	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/03/14 22:45	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/03/14 22:45	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/03/14 22:45	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/03/14 22:45	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/03/14 22:45	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/03/14 22:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	88		52 - 132	05/30/14 05:46	06/03/14 22:45	1
2-Fluorobiphenyl	62		48 - 120	05/30/14 05:46	06/03/14 22:45	1
2-Fluorophenol	40		20 - 120	05/30/14 05:46	06/03/14 22:45	1
Nitrobenzene-d5	70		46 - 120	05/30/14 05:46	06/03/14 22:45	1
p-Terphenyl-d14	90		67 - 150	05/30/14 05:46	06/03/14 22:45	1
Phenol-d5	29		16 - 120	05/30/14 05:46	06/03/14 22:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.51	0.10	mg/Kg	✱	05/21/14 19:56	05/23/14 17:01	2
PCB-1221	ND		0.51	0.10	mg/Kg	✱	05/21/14 19:56	05/23/14 17:01	2
PCB-1232	ND		0.51	0.10	mg/Kg	✱	05/21/14 19:56	05/23/14 17:01	2
PCB-1242	ND		0.51	0.10	mg/Kg	✱	05/21/14 19:56	05/23/14 17:01	2
PCB-1248	1.7		0.51	0.10	mg/Kg	✱	05/21/14 19:56	05/23/14 17:01	2
PCB-1254	4.8		0.51	0.24	mg/Kg	✱	05/21/14 19:56	05/23/14 17:01	2
PCB-1260	0.62		0.51	0.24	mg/Kg	✱	05/21/14 19:56	05/23/14 17:01	2
PCB-1262	ND		0.51	0.24	mg/Kg	✱	05/21/14 19:56	05/23/14 17:01	2
PCB-1268	ND		0.51	0.24	mg/Kg	✱	05/21/14 19:56	05/23/14 17:01	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		46 - 175	05/21/14 19:56	05/23/14 17:01	2
DCB Decachlorobiphenyl	46	X	47 - 176	05/21/14 19:56	05/23/14 17:01	2

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.072		0.015	0.0056	mg/L		05/28/14 13:40	05/30/14 20:46	1
Barium	1.3	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 20:46	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 C-2 14-15

Lab Sample ID: 480-60207-7

Date Collected: 05/19/14 14:20

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.039		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 20:46	1
Chromium	0.30	B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 20:46	1
Lead	2.8		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 20:46	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 20:46	1
Silver	0.0049	J	0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 20:46	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0022		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/28/14 23:45	05/30/14 08:40	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/28/14 23:45	05/30/14 01:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/28/14 08:37	1
pH	8.74		0.100	0.100	SU			05/23/14 21:45	1

Client Sample ID: P-1 C-2 7-8

Lab Sample ID: 480-60207-8

Date Collected: 05/19/14 14:22

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 07:45	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 07:45	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 07:45	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 07:45	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 07:45	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 07:45	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 07:45	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 07:45	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 07:45	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 07:45	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		05/29/14 07:45	10
4-Bromofluorobenzene (Surr)	103		73 - 120		05/29/14 07:45	10
Toluene-d8 (Surr)	96		71 - 126		05/29/14 07:45	10

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		05/30/14 05:46	06/03/14 23:09	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/03/14 23:09	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/03/14 23:09	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/03/14 23:09	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/03/14 23:09	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/03/14 23:09	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/03/14 23:09	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/03/14 23:09	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 C-2 7-8

Lab Sample ID: 480-60207-8

Date Collected: 05/19/14 14:22

Matrix: Solid

Date Received: 05/19/14 16:50

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		05/30/14 05:46	06/03/14 23:09	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/03/14 23:09	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/03/14 23:09	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/03/14 23:09	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/03/14 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	98		52 - 132	05/30/14 05:46	06/03/14 23:09	1
2-Fluorobiphenyl	84		48 - 120	05/30/14 05:46	06/03/14 23:09	1
2-Fluorophenol	49		20 - 120	05/30/14 05:46	06/03/14 23:09	1
Nitrobenzene-d5	88		46 - 120	05/30/14 05:46	06/03/14 23:09	1
p-Terphenyl-d14	106		67 - 150	05/30/14 05:46	06/03/14 23:09	1
Phenol-d5	35		16 - 120	05/30/14 05:46	06/03/14 23:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		5.2	1.0	mg/Kg	✱	05/21/14 19:56	05/23/14 17:16	20
PCB-1221	ND		5.2	1.0	mg/Kg	✱	05/21/14 19:56	05/23/14 17:16	20
PCB-1232	ND		5.2	1.0	mg/Kg	✱	05/21/14 19:56	05/23/14 17:16	20
PCB-1242	ND		5.2	1.0	mg/Kg	✱	05/21/14 19:56	05/23/14 17:16	20
PCB-1248	44		5.2	1.0	mg/Kg	✱	05/21/14 19:56	05/23/14 17:16	20
PCB-1254	120		5.2	2.4	mg/Kg	✱	05/21/14 19:56	05/23/14 17:16	20
PCB-1260	ND		5.2	2.4	mg/Kg	✱	05/21/14 19:56	05/23/14 17:16	20
PCB-1262	ND		5.2	2.4	mg/Kg	✱	05/21/14 19:56	05/23/14 17:16	20
PCB-1268	ND		5.2	2.4	mg/Kg	✱	05/21/14 19:56	05/23/14 17:16	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	132		46 - 175	05/21/14 19:56	05/23/14 17:16	20
DCB Decachlorobiphenyl	70		47 - 176	05/21/14 19:56	05/23/14 17:16	20

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/28/14 13:40	05/30/14 20:49	1
Barium	0.47	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 20:49	1
Cadmium	0.0087		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 20:49	1
Chromium	0.0064	B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 20:49	1
Lead	0.0084	J	0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 20:49	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 20:49	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 20:49	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/28/14 23:45	05/30/14 08:40	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/28/14 23:45	05/30/14 01:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/28/14 08:37	1
pH	8.58		0.100	0.100	SU			05/23/14 21:58	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 D-2 0-1

Lab Sample ID: 480-60207-9

Date Collected: 05/19/14 14:30

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 08:09	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 08:09	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 08:09	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 08:09	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 08:09	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 08:09	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 08:09	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 08:09	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 08:09	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 08:09	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		05/29/14 08:09	10
4-Bromofluorobenzene (Surr)	103		73 - 120		05/29/14 08:09	10
Toluene-d8 (Surr)	97		71 - 126		05/29/14 08:09	10

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		05/30/14 05:46	06/03/14 23:32	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/03/14 23:32	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/03/14 23:32	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/03/14 23:32	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/03/14 23:32	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/03/14 23:32	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/03/14 23:32	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/03/14 23:32	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/03/14 23:32	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/03/14 23:32	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/03/14 23:32	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/03/14 23:32	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/03/14 23:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	87		52 - 132	05/30/14 05:46	06/03/14 23:32	1
2-Fluorobiphenyl	76		48 - 120	05/30/14 05:46	06/03/14 23:32	1
2-Fluorophenol	44		20 - 120	05/30/14 05:46	06/03/14 23:32	1
Nitrobenzene-d5	79		46 - 120	05/30/14 05:46	06/03/14 23:32	1
p-Terphenyl-d14	86		67 - 150	05/30/14 05:46	06/03/14 23:32	1
Phenol-d5	31		16 - 120	05/30/14 05:46	06/03/14 23:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		4.9	0.95	mg/Kg	☼	05/21/14 19:56	05/23/14 17:32	20
PCB-1221	ND		4.9	0.95	mg/Kg	☼	05/21/14 19:56	05/23/14 17:32	20
PCB-1232	ND		4.9	0.95	mg/Kg	☼	05/21/14 19:56	05/23/14 17:32	20
PCB-1242	ND		4.9	0.95	mg/Kg	☼	05/21/14 19:56	05/23/14 17:32	20
PCB-1248	37		4.9	0.95	mg/Kg	☼	05/21/14 19:56	05/23/14 17:32	20
PCB-1254	18		4.9	2.3	mg/Kg	☼	05/21/14 19:56	05/23/14 17:32	20
PCB-1260	ND		4.9	2.3	mg/Kg	☼	05/21/14 19:56	05/23/14 17:32	20
PCB-1262	ND		4.9	2.3	mg/Kg	☼	05/21/14 19:56	05/23/14 17:32	20

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 D-2 0-1

Lab Sample ID: 480-60207-9

Date Collected: 05/19/14 14:30

Matrix: Solid

Date Received: 05/19/14 16:50

Percent Solids: 97.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		4.9	2.3	mg/Kg	☼	05/21/14 19:56	05/23/14 17:32	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	133		46 - 175				05/21/14 19:56	05/23/14 17:32	20
DCB Decachlorobiphenyl	145		47 - 176				05/21/14 19:56	05/23/14 17:32	20

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		05/28/14 13:40	05/30/14 21:03	1
Barium	0.43	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 21:03	1
Cadmium	0.015		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 21:03	1
Chromium	0.0051	B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 21:03	1
Lead	0.0061	J	0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 21:03	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 21:03	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 21:03	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/28/14 23:45	05/30/14 08:40	1
Sulfide, Reactive	4.0	J	10.0	0.57	mg/Kg		05/28/14 23:45	05/30/14 01:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/28/14 08:37	1
pH	8.79		0.100	0.100	SU			05/23/14 22:02	1

Client Sample ID: P-1 D-2 7-8

Lab Sample ID: 480-60207-10

Date Collected: 05/19/14 14:35

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 08:33	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 08:33	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 08:33	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 08:33	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 08:33	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 08:33	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 08:33	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 08:33	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 08:33	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 08:33	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137					05/29/14 08:33	10
4-Bromofluorobenzene (Surr)	105		73 - 120					05/29/14 08:33	10
Toluene-d8 (Surr)	97		71 - 126					05/29/14 08:33	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 D-2 7-8

Lab Sample ID: 480-60207-10

Date Collected: 05/19/14 14:35

Matrix: Solid

Date Received: 05/19/14 16:50

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		05/30/14 05:46	06/04/14 12:47	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/04/14 12:47	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/04/14 12:47	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/04/14 12:47	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/04/14 12:47	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/04/14 12:47	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/04/14 12:47	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/04/14 12:47	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/04/14 12:47	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/04/14 12:47	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/04/14 12:47	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/04/14 12:47	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/04/14 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	88		52 - 132	05/30/14 05:46	06/04/14 12:47	1
2-Fluorobiphenyl	77		48 - 120	05/30/14 05:46	06/04/14 12:47	1
2-Fluorophenol	46		20 - 120	05/30/14 05:46	06/04/14 12:47	1
Nitrobenzene-d5	79		46 - 120	05/30/14 05:46	06/04/14 12:47	1
p-Terphenyl-d14	123		67 - 150	05/30/14 05:46	06/04/14 12:47	1
Phenol-d5	33		16 - 120	05/30/14 05:46	06/04/14 12:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.046	mg/Kg	✱	05/21/14 19:56	05/23/14 17:48	1
PCB-1221	ND		0.24	0.046	mg/Kg	✱	05/21/14 19:56	05/23/14 17:48	1
PCB-1232	ND		0.24	0.046	mg/Kg	✱	05/21/14 19:56	05/23/14 17:48	1
PCB-1242	ND		0.24	0.046	mg/Kg	✱	05/21/14 19:56	05/23/14 17:48	1
PCB-1248	2.3		0.24	0.046	mg/Kg	✱	05/21/14 19:56	05/23/14 17:48	1
PCB-1254	2.5		0.24	0.11	mg/Kg	✱	05/21/14 19:56	05/23/14 17:48	1
PCB-1260	0.45		0.24	0.11	mg/Kg	✱	05/21/14 19:56	05/23/14 17:48	1
PCB-1262	ND		0.24	0.11	mg/Kg	✱	05/21/14 19:56	05/23/14 17:48	1
PCB-1268	ND		0.24	0.11	mg/Kg	✱	05/21/14 19:56	05/23/14 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		46 - 175	05/21/14 19:56	05/23/14 17:48	1
DCB Decachlorobiphenyl	74		47 - 176	05/21/14 19:56	05/23/14 17:48	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		05/28/14 13:40	05/30/14 21:06	1
Barium	0.46	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 21:06	1
Cadmium	0.014		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 21:06	1
Chromium	0.0022	J B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 21:06	1
Lead	0.0086	J	0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 21:06	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 21:06	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 21:06	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:17	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 D-2 7-8

Lab Sample ID: 480-60207-10

Date Collected: 05/19/14 14:35

Matrix: Solid

Date Received: 05/19/14 16:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/29/14 23:05	05/30/14 09:16	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/29/14 23:05	05/30/14 09:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/29/14 08:55	1
pH	8.74		0.100	0.100	SU			05/23/14 22:06	1

Client Sample ID: P-1 D-2 14-15

Lab Sample ID: 480-60207-11

Date Collected: 05/19/14 14:32

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 08:57	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 08:57	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 08:57	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 08:57	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 08:57	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 08:57	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 08:57	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 08:57	10
Trichloroethene	0.0069	J	0.010	0.0046	mg/L			05/29/14 08:57	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 08:57	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		05/29/14 08:57	10
4-Bromofluorobenzene (Surr)	104		73 - 120		05/29/14 08:57	10
Toluene-d8 (Surr)	96		71 - 126		05/29/14 08:57	10

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		05/30/14 05:46	06/04/14 13:10	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/04/14 13:10	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/04/14 13:10	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/04/14 13:10	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/04/14 13:10	1
3-Methylphenol	0.0011	J	0.010	0.00040	mg/L		05/30/14 05:46	06/04/14 13:10	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/04/14 13:10	1
4-Methylphenol	0.0011	J	0.010	0.00036	mg/L		05/30/14 05:46	06/04/14 13:10	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/04/14 13:10	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/04/14 13:10	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/04/14 13:10	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/04/14 13:10	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/04/14 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	91		52 - 132	05/30/14 05:46	06/04/14 13:10	1
2-Fluorobiphenyl	76		48 - 120	05/30/14 05:46	06/04/14 13:10	1
2-Fluorophenol	45		20 - 120	05/30/14 05:46	06/04/14 13:10	1
Nitrobenzene-d5	79		46 - 120	05/30/14 05:46	06/04/14 13:10	1
p-Terphenyl-d14	127		67 - 150	05/30/14 05:46	06/04/14 13:10	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 D-2 14-15

Lab Sample ID: 480-60207-11

Date Collected: 05/19/14 14:32

Matrix: Solid

Date Received: 05/19/14 16:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	32		16 - 120	05/30/14 05:46	06/04/14 13:10	1

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	☼	05/21/14 19:56	05/23/14 18:04	1
PCB-1221	ND		0.25	0.048	mg/Kg	☼	05/21/14 19:56	05/23/14 18:04	1
PCB-1232	ND		0.25	0.048	mg/Kg	☼	05/21/14 19:56	05/23/14 18:04	1
PCB-1242	ND		0.25	0.048	mg/Kg	☼	05/21/14 19:56	05/23/14 18:04	1
PCB-1248	ND		0.25	0.048	mg/Kg	☼	05/21/14 19:56	05/23/14 18:04	1
PCB-1254	ND		0.25	0.12	mg/Kg	☼	05/21/14 19:56	05/23/14 18:04	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	05/21/14 19:56	05/23/14 18:04	1
PCB-1262	ND		0.25	0.12	mg/Kg	☼	05/21/14 19:56	05/23/14 18:04	1
PCB-1268	ND		0.25	0.12	mg/Kg	☼	05/21/14 19:56	05/23/14 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		46 - 175	05/21/14 19:56	05/23/14 18:04	1
DCB Decachlorobiphenyl	87		47 - 176	05/21/14 19:56	05/23/14 18:04	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	—	05/28/14 13:40	05/30/14 21:09	1
Barium	0.35	B	0.0020	0.00070	mg/L	—	05/28/14 13:40	05/30/14 21:09	1
Cadmium	ND		0.0020	0.00050	mg/L	—	05/28/14 13:40	05/30/14 21:09	1
Chromium	0.0032	J B	0.0040	0.0010	mg/L	—	05/28/14 13:40	05/30/14 21:09	1
Lead	0.0057	J	0.010	0.0030	mg/L	—	05/28/14 13:40	05/30/14 21:09	1
Selenium	ND		0.025	0.0087	mg/L	—	05/28/14 13:40	05/30/14 21:09	1
Silver	ND		0.0060	0.0017	mg/L	—	05/28/14 13:40	05/30/14 21:09	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	05/28/14 14:00	05/28/14 17:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg	—	05/29/14 23:05	05/30/14 09:16	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg	—	05/29/14 23:05	05/30/14 09:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F	—		05/29/14 08:55	1
pH	8.87		0.100	0.100	SU	—		05/23/14 22:10	1

Client Sample ID: P-1 D-3 0-1

Lab Sample ID: 480-60207-12

Date Collected: 05/19/14 15:09

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L	—		05/29/14 09:21	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L	—		05/29/14 09:21	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L	—		05/29/14 09:21	10
Benzene	ND		0.010	0.0041	mg/L	—		05/29/14 09:21	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 D-3 0-1

Lab Sample ID: 480-60207-12

Date Collected: 05/19/14 15:09

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 09:21	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 09:21	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 09:21	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 09:21	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 09:21	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 09:21	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		05/29/14 09:21	10
4-Bromofluorobenzene (Surr)	106		73 - 120		05/29/14 09:21	10
Toluene-d8 (Surr)	97		71 - 126		05/29/14 09:21	10

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		05/30/14 05:46	06/04/14 13:33	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/04/14 13:33	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/04/14 13:33	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/04/14 13:33	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/04/14 13:33	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/04/14 13:33	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/04/14 13:33	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/04/14 13:33	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/04/14 13:33	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/04/14 13:33	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/04/14 13:33	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/04/14 13:33	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/04/14 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	85		52 - 132	05/30/14 05:46	06/04/14 13:33	1
2-Fluorobiphenyl	68		48 - 120	05/30/14 05:46	06/04/14 13:33	1
2-Fluorophenol	40		20 - 120	05/30/14 05:46	06/04/14 13:33	1
Nitrobenzene-d5	70		46 - 120	05/30/14 05:46	06/04/14 13:33	1
p-Terphenyl-d14	126		67 - 150	05/30/14 05:46	06/04/14 13:33	1
Phenol-d5	29		16 - 120	05/30/14 05:46	06/04/14 13:33	1

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	☼	05/21/14 19:56	05/23/14 18:20	5
PCB-1221	ND		1.1	0.22	mg/Kg	☼	05/21/14 19:56	05/23/14 18:20	5
PCB-1232	ND		1.1	0.22	mg/Kg	☼	05/21/14 19:56	05/23/14 18:20	5
PCB-1242	ND		1.1	0.22	mg/Kg	☼	05/21/14 19:56	05/23/14 18:20	5
PCB-1248	22		1.1	0.22	mg/Kg	☼	05/21/14 19:56	05/23/14 18:20	5
PCB-1254	29		1.1	0.52	mg/Kg	☼	05/21/14 19:56	05/23/14 18:20	5
PCB-1260	2.6		1.1	0.52	mg/Kg	☼	05/21/14 19:56	05/23/14 18:20	5
PCB-1262	ND		1.1	0.52	mg/Kg	☼	05/21/14 19:56	05/23/14 18:20	5
PCB-1268	ND		1.1	0.52	mg/Kg	☼	05/21/14 19:56	05/23/14 18:20	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	118		46 - 175	05/21/14 19:56	05/23/14 18:20	5
DCB Decachlorobiphenyl	130		47 - 176	05/21/14 19:56	05/23/14 18:20	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 D-3 0-1

Lab Sample ID: 480-60207-12

Date Collected: 05/19/14 15:09

Matrix: Solid

Date Received: 05/19/14 16:50

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0090	J	0.015	0.0056	mg/L		05/28/14 13:40	05/30/14 22:11	1
Barium	0.58	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 22:11	1
Cadmium	0.044		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 22:11	1
Chromium	0.012		0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 22:11	1
Lead	0.14		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 22:11	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 22:11	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 22:11	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 16:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/29/14 23:05	05/30/14 09:16	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/29/14 23:05	05/30/14 09:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/29/14 08:55	1
pH	8.98		0.100	0.100	SU			05/23/14 22:15	1

Client Sample ID: P-1 D-3 7-8

Lab Sample ID: 480-60207-13

Date Collected: 05/19/14 14:55

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 09:45	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 09:45	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 09:45	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 09:45	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 09:45	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 09:45	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 09:45	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 09:45	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 09:45	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 09:45	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137		05/29/14 09:45	10
4-Bromofluorobenzene (Surr)	104		73 - 120		05/29/14 09:45	10
Toluene-d8 (Surr)	97		71 - 126		05/29/14 09:45	10

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		05/30/14 05:46	06/04/14 13:56	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/04/14 13:56	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/04/14 13:56	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/04/14 13:56	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/04/14 13:56	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/04/14 13:56	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 D-3 7-8

Lab Sample ID: 480-60207-13

Date Collected: 05/19/14 14:55

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/04/14 13:56	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/04/14 13:56	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/04/14 13:56	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/04/14 13:56	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/04/14 13:56	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/04/14 13:56	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/04/14 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	91		52 - 132	05/30/14 05:46	06/04/14 13:56	1
2-Fluorobiphenyl	72		48 - 120	05/30/14 05:46	06/04/14 13:56	1
2-Fluorophenol	41		20 - 120	05/30/14 05:46	06/04/14 13:56	1
Nitrobenzene-d5	69		46 - 120	05/30/14 05:46	06/04/14 13:56	1
p-Terphenyl-d14	104		67 - 150	05/30/14 05:46	06/04/14 13:56	1
Phenol-d5	32		16 - 120	05/30/14 05:46	06/04/14 13:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.091	mg/Kg	✱	05/21/14 19:56	05/23/14 18:36	2
PCB-1221	ND		0.47	0.091	mg/Kg	✱	05/21/14 19:56	05/23/14 18:36	2
PCB-1232	ND		0.47	0.091	mg/Kg	✱	05/21/14 19:56	05/23/14 18:36	2
PCB-1242	ND		0.47	0.091	mg/Kg	✱	05/21/14 19:56	05/23/14 18:36	2
PCB-1248	0.87		0.47	0.091	mg/Kg	✱	05/21/14 19:56	05/23/14 18:36	2
PCB-1254	4.1		0.47	0.22	mg/Kg	✱	05/21/14 19:56	05/23/14 18:36	2
PCB-1260	0.75		0.47	0.22	mg/Kg	✱	05/21/14 19:56	05/23/14 18:36	2
PCB-1262	ND		0.47	0.22	mg/Kg	✱	05/21/14 19:56	05/23/14 18:36	2
PCB-1268	ND		0.47	0.22	mg/Kg	✱	05/21/14 19:56	05/23/14 18:36	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	87		46 - 175	05/21/14 19:56	05/23/14 18:36	2
DCB Decachlorobiphenyl	83		47 - 176	05/21/14 19:56	05/23/14 18:36	2

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.022		0.015	0.0056	mg/L		05/28/14 13:40	05/30/14 21:12	1
Barium	0.45	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 21:12	1
Cadmium	0.0019	J	0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 21:12	1
Chromium	0.0074	B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 21:12	1
Lead	0.081		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 21:12	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 21:12	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 21:12	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/29/14 23:05	05/30/14 09:16	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/29/14 23:05	05/30/14 09:45	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 D-3 7-8

Lab Sample ID: 480-60207-13

Date Collected: 05/19/14 14:55

Matrix: Solid

Date Received: 05/19/14 16:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/29/14 08:55	1
pH	8.89		0.100	0.100	SU			05/23/14 22:19	1

Client Sample ID: P-1 D-3 14-15

Lab Sample ID: 480-60207-14

Date Collected: 05/19/14 14:55

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/31/14 02:31	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/31/14 02:31	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/31/14 02:31	10
Benzene	ND		0.010	0.0041	mg/L			05/31/14 02:31	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/31/14 02:31	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/31/14 02:31	10
Chloroform	ND		0.010	0.0034	mg/L			05/31/14 02:31	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/31/14 02:31	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/31/14 02:31	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/31/14 02:31	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137					05/31/14 02:31	10
4-Bromofluorobenzene (Surr)	98		73 - 120					05/31/14 02:31	10
Toluene-d8 (Surr)	97		71 - 126					05/31/14 02:31	10

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		05/30/14 05:46	06/04/14 14:20	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/04/14 14:20	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/04/14 14:20	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/04/14 14:20	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/04/14 14:20	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/04/14 14:20	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/04/14 14:20	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/04/14 14:20	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/04/14 14:20	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/04/14 14:20	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/04/14 14:20	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/04/14 14:20	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/04/14 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	92		52 - 132				05/30/14 05:46	06/04/14 14:20	1
2-Fluorobiphenyl	73		48 - 120				05/30/14 05:46	06/04/14 14:20	1
2-Fluorophenol	41		20 - 120				05/30/14 05:46	06/04/14 14:20	1
Nitrobenzene-d5	74		46 - 120				05/30/14 05:46	06/04/14 14:20	1
p-Terphenyl-d14	130		67 - 150				05/30/14 05:46	06/04/14 14:20	1
Phenol-d5	31		16 - 120				05/30/14 05:46	06/04/14 14:20	1

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	☼	05/21/14 19:56	05/23/14 18:52	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 D-3 14-15

Lab Sample ID: 480-60207-14

Date Collected: 05/19/14 14:55

Matrix: Solid

Date Received: 05/19/14 16:50

Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		0.25	0.048	mg/Kg	☆	05/21/14 19:56	05/23/14 18:52	1
PCB-1232	ND		0.25	0.048	mg/Kg	☆	05/21/14 19:56	05/23/14 18:52	1
PCB-1242	ND		0.25	0.048	mg/Kg	☆	05/21/14 19:56	05/23/14 18:52	1
PCB-1248	0.98		0.25	0.048	mg/Kg	☆	05/21/14 19:56	05/23/14 18:52	1
PCB-1254	0.89		0.25	0.12	mg/Kg	☆	05/21/14 19:56	05/23/14 18:52	1
PCB-1260	0.76		0.25	0.12	mg/Kg	☆	05/21/14 19:56	05/23/14 18:52	1
PCB-1262	ND		0.25	0.12	mg/Kg	☆	05/21/14 19:56	05/23/14 18:52	1
PCB-1268	ND		0.25	0.12	mg/Kg	☆	05/21/14 19:56	05/23/14 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	52		46 - 175	05/21/14 19:56	05/23/14 18:52	1
DCB Decachlorobiphenyl	83		47 - 176	05/21/14 19:56	05/23/14 18:52	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		05/28/14 13:40	05/30/14 21:15	1
Barium	0.38	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 21:15	1
Cadmium	0.0041		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 21:15	1
Chromium	0.0023	J B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 21:15	1
Lead	0.012		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 21:15	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 21:15	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 21:15	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/29/14 23:05	05/30/14 09:16	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/29/14 23:05	05/30/14 09:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/29/14 08:55	1
pH	8.82		0.100	0.100	SU			05/23/14 22:27	1

Client Sample ID: P-1 C-3 0-1

Lab Sample ID: 480-60207-15

Date Collected: 05/19/14 15:05

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/31/14 02:56	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/31/14 02:56	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/31/14 02:56	10
Benzene	ND		0.010	0.0041	mg/L			05/31/14 02:56	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/31/14 02:56	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/31/14 02:56	10
Chloroform	ND		0.010	0.0034	mg/L			05/31/14 02:56	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/31/14 02:56	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/31/14 02:56	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 C-3 0-1

Lab Sample ID: 480-60207-15

Date Collected: 05/19/14 15:05

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.010	0.0090	mg/L			05/31/14 02:56	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		05/31/14 02:56	10
4-Bromofluorobenzene (Surr)	99		73 - 120		05/31/14 02:56	10
Toluene-d8 (Surr)	98		71 - 126		05/31/14 02:56	10

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		05/30/14 05:46	06/04/14 14:43	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/04/14 14:43	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/04/14 14:43	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/04/14 14:43	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/04/14 14:43	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/04/14 14:43	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/04/14 14:43	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/04/14 14:43	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/04/14 14:43	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/04/14 14:43	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/04/14 14:43	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/04/14 14:43	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/04/14 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	92		52 - 132	05/30/14 05:46	06/04/14 14:43	1
2-Fluorobiphenyl	75		48 - 120	05/30/14 05:46	06/04/14 14:43	1
2-Fluorophenol	46		20 - 120	05/30/14 05:46	06/04/14 14:43	1
Nitrobenzene-d5	80		46 - 120	05/30/14 05:46	06/04/14 14:43	1
p-Terphenyl-d14	127		67 - 150	05/30/14 05:46	06/04/14 14:43	1
Phenol-d5	33		16 - 120	05/30/14 05:46	06/04/14 14:43	1

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	☆	05/21/14 19:56	05/23/14 19:08	1
PCB-1221	ND		0.25	0.048	mg/Kg	☆	05/21/14 19:56	05/23/14 19:08	1
PCB-1232	ND		0.25	0.048	mg/Kg	☆	05/21/14 19:56	05/23/14 19:08	1
PCB-1242	ND		0.25	0.048	mg/Kg	☆	05/21/14 19:56	05/23/14 19:08	1
PCB-1248	0.59		0.25	0.048	mg/Kg	☆	05/21/14 19:56	05/23/14 19:08	1
PCB-1254	0.86		0.25	0.12	mg/Kg	☆	05/21/14 19:56	05/23/14 19:08	1
PCB-1260	0.41		0.25	0.12	mg/Kg	☆	05/21/14 19:56	05/23/14 19:08	1
PCB-1262	ND		0.25	0.12	mg/Kg	☆	05/21/14 19:56	05/23/14 19:08	1
PCB-1268	ND		0.25	0.12	mg/Kg	☆	05/21/14 19:56	05/23/14 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		46 - 175	05/21/14 19:56	05/23/14 19:08	1
DCB Decachlorobiphenyl	115		47 - 176	05/21/14 19:56	05/23/14 19:08	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.015	0.0056	mg/L		05/28/14 13:40	05/30/14 21:18	1
Barium	0.75	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 21:18	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 C-3 0-1

Lab Sample ID: 480-60207-15

Date Collected: 05/19/14 15:05

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.011		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 21:18	1
Chromium	0.051	B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 21:18	1
Lead	0.17		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 21:18	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 21:18	1
Silver	0.0018	J	0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 21:18	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/29/14 23:05	05/30/14 09:16	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/29/14 23:05	05/30/14 09:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/29/14 08:55	1
pH	8.85		0.100	0.100	SU			05/23/14 22:31	1

Client Sample ID: P-1 C-3 5-6

Lab Sample ID: 480-60207-16

Date Collected: 05/19/14 14:57

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/31/14 03:21	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/31/14 03:21	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/31/14 03:21	10
Benzene	ND		0.010	0.0041	mg/L			05/31/14 03:21	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/31/14 03:21	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/31/14 03:21	10
Chloroform	ND		0.010	0.0034	mg/L			05/31/14 03:21	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/31/14 03:21	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/31/14 03:21	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/31/14 03:21	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		05/31/14 03:21	10
4-Bromofluorobenzene (Surr)	98		73 - 120		05/31/14 03:21	10
Toluene-d8 (Surr)	99		71 - 126		05/31/14 03:21	10

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		05/30/14 05:46	06/04/14 15:07	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/04/14 15:07	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/04/14 15:07	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/04/14 15:07	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/04/14 15:07	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/04/14 15:07	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/04/14 15:07	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/04/14 15:07	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 C-3 5-6

Lab Sample ID: 480-60207-16

Date Collected: 05/19/14 14:57

Matrix: Solid

Date Received: 05/19/14 16:50

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		05/30/14 05:46	06/04/14 15:07	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/04/14 15:07	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/04/14 15:07	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/04/14 15:07	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/04/14 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	91		52 - 132	05/30/14 05:46	06/04/14 15:07	1
2-Fluorobiphenyl	61		48 - 120	05/30/14 05:46	06/04/14 15:07	1
2-Fluorophenol	43		20 - 120	05/30/14 05:46	06/04/14 15:07	1
Nitrobenzene-d5	72		46 - 120	05/30/14 05:46	06/04/14 15:07	1
p-Terphenyl-d14	119		67 - 150	05/30/14 05:46	06/04/14 15:07	1
Phenol-d5	31		16 - 120	05/30/14 05:46	06/04/14 15:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.040	mg/Kg	✱	05/21/14 19:56	05/23/14 19:24	1
PCB-1221	ND		0.20	0.040	mg/Kg	✱	05/21/14 19:56	05/23/14 19:24	1
PCB-1232	ND		0.20	0.040	mg/Kg	✱	05/21/14 19:56	05/23/14 19:24	1
PCB-1242	2.5		0.20	0.040	mg/Kg	✱	05/21/14 19:56	05/23/14 19:24	1
PCB-1248	ND		0.20	0.040	mg/Kg	✱	05/21/14 19:56	05/23/14 19:24	1
PCB-1254	2.1		0.20	0.095	mg/Kg	✱	05/21/14 19:56	05/23/14 19:24	1
PCB-1260	0.62		0.20	0.095	mg/Kg	✱	05/21/14 19:56	05/23/14 19:24	1
PCB-1262	ND		0.20	0.095	mg/Kg	✱	05/21/14 19:56	05/23/14 19:24	1
PCB-1268	ND		0.20	0.095	mg/Kg	✱	05/21/14 19:56	05/23/14 19:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		46 - 175	05/21/14 19:56	05/23/14 19:24	1
DCB Decachlorobiphenyl	118		47 - 176	05/21/14 19:56	05/23/14 19:24	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		05/28/14 13:40	05/30/14 21:21	1
Barium	0.38	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 21:21	1
Cadmium	0.033		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 21:21	1
Chromium	0.0020	J B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 21:21	1
Lead	0.038		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 21:21	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 21:21	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 21:21	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/29/14 23:05	05/30/14 09:16	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/29/14 23:05	05/30/14 09:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/29/14 08:55	1
pH	8.68		0.100	0.100	SU			05/23/14 22:36	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 C-3 11-12

Lab Sample ID: 480-60207-17

Date Collected: 05/19/14 15:03

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/31/14 03:45	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/31/14 03:45	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/31/14 03:45	10
Benzene	ND		0.010	0.0041	mg/L			05/31/14 03:45	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/31/14 03:45	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/31/14 03:45	10
Chloroform	ND		0.010	0.0034	mg/L			05/31/14 03:45	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/31/14 03:45	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/31/14 03:45	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/31/14 03:45	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		05/31/14 03:45	10
4-Bromofluorobenzene (Surr)	96		73 - 120		05/31/14 03:45	10
Toluene-d8 (Surr)	97		71 - 126		05/31/14 03:45	10

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		05/30/14 05:46	06/04/14 15:30	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/04/14 15:30	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/04/14 15:30	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/04/14 15:30	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/04/14 15:30	1
3-Methylphenol	0.0014	J	0.010	0.00040	mg/L		05/30/14 05:46	06/04/14 15:30	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/04/14 15:30	1
4-Methylphenol	0.0014	J	0.010	0.00036	mg/L		05/30/14 05:46	06/04/14 15:30	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/04/14 15:30	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/04/14 15:30	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/04/14 15:30	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/04/14 15:30	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/04/14 15:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	92		52 - 132	05/30/14 05:46	06/04/14 15:30	1
2-Fluorobiphenyl	69		48 - 120	05/30/14 05:46	06/04/14 15:30	1
2-Fluorophenol	42		20 - 120	05/30/14 05:46	06/04/14 15:30	1
Nitrobenzene-d5	75		46 - 120	05/30/14 05:46	06/04/14 15:30	1
p-Terphenyl-d14	111		67 - 150	05/30/14 05:46	06/04/14 15:30	1
Phenol-d5	31		16 - 120	05/30/14 05:46	06/04/14 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		1.1	0.21	mg/Kg	☼	05/21/14 19:56	05/23/14 20:11	5
PCB-1221	ND		1.1	0.21	mg/Kg	☼	05/21/14 19:56	05/23/14 20:11	5
PCB-1232	ND		1.1	0.21	mg/Kg	☼	05/21/14 19:56	05/23/14 20:11	5
PCB-1242	ND		1.1	0.21	mg/Kg	☼	05/21/14 19:56	05/23/14 20:11	5
PCB-1248	ND		1.1	0.21	mg/Kg	☼	05/21/14 19:56	05/23/14 20:11	5
PCB-1254	12		1.1	0.51	mg/Kg	☼	05/21/14 19:56	05/23/14 20:11	5
PCB-1260	1.2		1.1	0.51	mg/Kg	☼	05/21/14 19:56	05/23/14 20:11	5
PCB-1262	ND		1.1	0.51	mg/Kg	☼	05/21/14 19:56	05/23/14 20:11	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 C-3 11-12

Lab Sample ID: 480-60207-17

Date Collected: 05/19/14 15:03

Matrix: Solid

Date Received: 05/19/14 16:50

Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		1.1	0.51	mg/Kg	☼	05/21/14 19:56	05/23/14 20:11	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		46 - 175	05/21/14 19:56	05/23/14 20:11	5
DCB Decachlorobiphenyl	109		47 - 176	05/21/14 19:56	05/23/14 20:11	5

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/28/14 13:40	05/30/14 21:24	1
Barium	0.24	B	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 21:24	1
Cadmium	0.0074		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 21:24	1
Chromium	0.0068	B	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 21:24	1
Lead	0.018		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 21:24	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 21:24	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 21:24	1

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 17:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/29/14 23:05	05/30/14 09:16	1
Sulfide, Reactive	6.0	J	10.0	0.57	mg/Kg		05/29/14 23:05	05/30/14 09:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/29/14 08:55	1
pH	8.30		0.100	0.100	SU			05/23/14 22:44	1

TestAmerica Buffalo

Surrogate Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	BFB (73-120)	TOL (71-126)
LCS 480-184481/6	Lab Control Sample	103	106	97
LCS 480-184587/5	Lab Control Sample	104	104	99
LCS 480-184982/5	Lab Control Sample	102	100	98
LCSD 480-184481/7	Lab Control Sample Dup	105	108	98
LCSD 480-184587/6	Lab Control Sample Dup	105	105	98
LCSD 480-184982/6	Lab Control Sample Dup	102	101	98
MB 480-184481/9	Method Blank	106	101	95
MB 480-184587/8	Method Blank	105	101	99
MB 480-184982/7	Method Blank	104	100	98

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	BFB (73-120)	TOL (71-126)
480-60207-1	P-1 B-2 4-5	102	103	97
480-60207-2	P-1 B-3 0-1A	102	105	96
480-60207-3	P-1 B-3 4-5A	102	104	97
480-60207-4	P-1 B-3 0-1B	105	102	96
480-60207-5	P-1 B-3 4-5B	102	104	96
480-60207-6	P-1 C-2 0-1	103	104	96
480-60207-7	P-1 C-2 14-15	102	105	97
480-60207-8	P-1 C-2 7-8	103	103	96
480-60207-9	P-1 D-2 0-1	101	103	97
480-60207-10	P-1 D-2 7-8	102	105	97
480-60207-11	P-1 D-2 14-15	104	104	96
480-60207-12	P-1 D-3 0-1	103	106	97
480-60207-13	P-1 D-3 7-8	102	104	97
480-60207-14	P-1 D-3 14-15	104	98	97
480-60207-15	P-1 C-3 0-1	104	99	98
480-60207-16	P-1 C-3 5-6	104	98	99
480-60207-17	P-1 C-3 11-12	105	96	97
LB 480-184217/1-A	Method Blank	104	101	99
LB 480-184425/1-A	Method Blank	102	98	97

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

TestAmerica Buffalo

Surrogate Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-132)	FBP (48-120)	2FP (20-120)	NBZ (46-120)	TPH (67-150)	PHL (16-120)
LCS 480-184759/2-A	Lab Control Sample	86	71	40	68	92	31
LCS 480-184759/3-A	Lab Control Sample Dup	93	75	42	72	98	32
MB 480-184759/1-A	Method Blank	89	77	50	84	100	35

Surrogate Legend

TBP = 2,4,6-Tribromophenol
 FBP = 2-Fluorobiphenyl
 2FP = 2-Fluorophenol
 NBZ = Nitrobenzene-d5
 TPH = p-Terphenyl-d14
 PHL = Phenol-d5

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

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-132)	FBP (48-120)	2FP (20-120)	NBZ (46-120)	TPH (67-150)	PHL (16-120)
480-60207-1	P-1 B-2 4-5	90	70	41	71	90	30
480-60207-2	P-1 B-3 0-1A	90	74	44	76	87	32
480-60207-3	P-1 B-3 4-5A	97	81	49	85	90	35
480-60207-4	P-1 B-3 0-1B	95	82	49	86	87	35
480-60207-5	P-1 B-3 4-5B	86	73	45	77	85	31
480-60207-6	P-1 C-2 0-1	89	73	45	77	88	32
480-60207-7	P-1 C-2 14-15	88	62	40	70	90	29
480-60207-8	P-1 C-2 7-8	98	84	49	88	106	35
480-60207-9	P-1 D-2 0-1	87	76	44	79	86	31
480-60207-10	P-1 D-2 7-8	88	77	46	79	123	33
480-60207-11	P-1 D-2 14-15	91	76	45	79	127	32
480-60207-12	P-1 D-3 0-1	85	68	40	70	126	29
480-60207-13	P-1 D-3 7-8	91	72	41	69	104	32
480-60207-14	P-1 D-3 14-15	92	73	41	74	130	31
480-60207-15	P-1 C-3 0-1	92	75	46	80	127	33
480-60207-16	P-1 C-3 5-6	91	61	43	72	119	31
480-60207-17	P-1 C-3 11-12	92	69	42	75	111	31
LB 480-184043/1-D	Method Blank	86	72	42	75	96	30
LB2 480-184319/1-D	Method Blank	95	77	46	80	109	33

Surrogate Legend

TBP = 2,4,6-Tribromophenol
 FBP = 2-Fluorobiphenyl
 2FP = 2-Fluorophenol
 NBZ = Nitrobenzene-d5
 TPH = p-Terphenyl-d14
 PHL = Phenol-d5

TestAmerica Buffalo

Surrogate Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (46-175)	DCB1 (47-176)
480-60207-1	P-1 B-2 4-5	95	109
480-60207-1 MS	P-1 B-2 4-5	126	135
480-60207-1 MSD	P-1 B-2 4-5	124	157
480-60207-2	P-1 B-3 0-1A	74	101
480-60207-3	P-1 B-3 4-5A	82	80
480-60207-4	P-1 B-3 0-1B	87	100
480-60207-5	P-1 B-3 4-5B	90	104
480-60207-6	P-1 C-2 0-1	100	96
480-60207-7	P-1 C-2 14-15	82	46 X
480-60207-8	P-1 C-2 7-8	132	70
480-60207-9	P-1 D-2 0-1	133	145
480-60207-10	P-1 D-2 7-8	93	74
480-60207-11	P-1 D-2 14-15	93	87
480-60207-12	P-1 D-3 0-1	118	130
480-60207-13	P-1 D-3 7-8	87	83
480-60207-14	P-1 D-3 14-15	52	83
480-60207-15	P-1 C-3 0-1	115	115
480-60207-16	P-1 C-3 5-6	95	118
480-60207-17	P-1 C-3 11-12	115	109
LCS 480-183428/2-A	Lab Control Sample	143	124
MB 480-183428/1-A	Method Blank	120	119

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Lab Sample ID: MB 480-184481/9

Matrix: Solid

Analysis Batch: 184481

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			05/29/14 00:55	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			05/29/14 00:55	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			05/29/14 00:55	1
Benzene	ND		0.0010	0.00041	mg/L			05/29/14 00:55	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			05/29/14 00:55	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			05/29/14 00:55	1
Chloroform	ND		0.0010	0.00034	mg/L			05/29/14 00:55	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			05/29/14 00:55	1
Trichloroethene	ND		0.0010	0.00046	mg/L			05/29/14 00:55	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			05/29/14 00:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		66 - 137		05/29/14 00:55	1
4-Bromofluorobenzene (Surr)	101		73 - 120		05/29/14 00:55	1
Toluene-d8 (Surr)	95		71 - 126		05/29/14 00:55	1

Lab Sample ID: LCS 480-184481/6

Matrix: Solid

Analysis Batch: 184481

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0250	0.0244		mg/L		98	58 - 121
1,2-Dichloroethane	0.0250	0.0253		mg/L		101	75 - 127
Benzene	0.0250	0.0236		mg/L		95	71 - 124
Chlorobenzene	0.0250	0.0239		mg/L		96	72 - 120
Tetrachloroethene	0.0250	0.0266		mg/L		107	74 - 122
Trichloroethene	0.0250	0.0245		mg/L		98	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
4-Bromofluorobenzene (Surr)	106		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Lab Sample ID: LCSD 480-184481/7

Matrix: Solid

Analysis Batch: 184481

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0250	0.0229		mg/L		91	58 - 121	6	16
1,2-Dichloroethane	0.0250	0.0250		mg/L		100	75 - 127	1	20
Benzene	0.0250	0.0232		mg/L		93	71 - 124	2	13
Chlorobenzene	0.0250	0.0233		mg/L		93	72 - 120	3	25
Tetrachloroethene	0.0250	0.0261		mg/L		105	74 - 122	2	20
Trichloroethene	0.0250	0.0243		mg/L		97	74 - 123	1	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Lab Sample ID: LCSD 480-184481/7

Matrix: Solid

Analysis Batch: 184481

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Lab Sample ID: MB 480-184587/8

Matrix: Solid

Analysis Batch: 184587

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			05/29/14 13:39	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			05/29/14 13:39	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			05/29/14 13:39	1
Benzene	ND		0.0010	0.00041	mg/L			05/29/14 13:39	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			05/29/14 13:39	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			05/29/14 13:39	1
Chloroform	ND		0.0010	0.00034	mg/L			05/29/14 13:39	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			05/29/14 13:39	1
Trichloroethene	ND		0.0010	0.00046	mg/L			05/29/14 13:39	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			05/29/14 13:39	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		05/29/14 13:39	1			
4-Bromofluorobenzene (Surr)	101		73 - 120		05/29/14 13:39	1			
Toluene-d8 (Surr)	99		71 - 126		05/29/14 13:39	1			

Lab Sample ID: LCS 480-184587/5

Matrix: Solid

Analysis Batch: 184587

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS					%Rec.	
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
1,1-Dichloroethene	0.0250	0.0245		mg/L		98	58 - 121		
1,2-Dichloroethane	0.0250	0.0252		mg/L		101	75 - 127		
Benzene	0.0250	0.0241		mg/L		96	71 - 124		
Chlorobenzene	0.0250	0.0234		mg/L		94	72 - 120		
Tetrachloroethene	0.0250	0.0261		mg/L		104	74 - 122		
Trichloroethene	0.0250	0.0252		mg/L		101	74 - 123		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Lab Sample ID: LCSD 480-184587/6

Matrix: Solid

Analysis Batch: 184587

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD					%Rec.		RPD
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
1,1-Dichloroethene	0.0250	0.0249		mg/L		100	58 - 121	2	16	

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Lab Sample ID: LCSD 480-184587/6

Matrix: Solid

Analysis Batch: 184587

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	0.0250	0.0247		mg/L		99	75 - 127	2	20
Benzene	0.0250	0.0236		mg/L		95	71 - 124	2	13
Chlorobenzene	0.0250	0.0229		mg/L		92	72 - 120	2	25
Tetrachloroethene	0.0250	0.0252		mg/L		101	74 - 122	3	20
Trichloroethene	0.0250	0.0243		mg/L		97	74 - 123	4	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
4-Bromofluorobenzene (Surr)	105		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Lab Sample ID: MB 480-184982/7

Matrix: Solid

Analysis Batch: 184982

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			05/31/14 00:46	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			05/31/14 00:46	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			05/31/14 00:46	1
Benzene	ND		0.0010	0.00041	mg/L			05/31/14 00:46	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			05/31/14 00:46	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			05/31/14 00:46	1
Chloroform	ND		0.0010	0.00034	mg/L			05/31/14 00:46	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			05/31/14 00:46	1
Trichloroethene	ND		0.0010	0.00046	mg/L			05/31/14 00:46	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			05/31/14 00:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		05/31/14 00:46	1
4-Bromofluorobenzene (Surr)	100		73 - 120		05/31/14 00:46	1
Toluene-d8 (Surr)	98		71 - 126		05/31/14 00:46	1

Lab Sample ID: LCS 480-184982/5

Matrix: Solid

Analysis Batch: 184982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0250	0.0249		mg/L		100	58 - 121
1,2-Dichloroethane	0.0250	0.0257		mg/L		103	75 - 127
Benzene	0.0250	0.0248		mg/L		99	71 - 124
Chlorobenzene	0.0250	0.0236		mg/L		94	72 - 120
Tetrachloroethene	0.0250	0.0228		mg/L		91	74 - 122
Trichloroethene	0.0250	0.0249		mg/L		100	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	100		73 - 120

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Lab Sample ID: LCS 480-184982/5

Matrix: Solid

Analysis Batch: 184982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	98		71 - 126

Lab Sample ID: LCSD 480-184982/6

Matrix: Solid

Analysis Batch: 184982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0250	0.0248		mg/L		99	58 - 121	1	16
1,2-Dichloroethane	0.0250	0.0252		mg/L		101	75 - 127	2	20
Benzene	0.0250	0.0248		mg/L		99	71 - 124	0	13
Chlorobenzene	0.0250	0.0235		mg/L		94	72 - 120	0	25
Tetrachloroethene	0.0250	0.0228		mg/L		91	74 - 122	0	20
Trichloroethene	0.0250	0.0249		mg/L		100	74 - 123	0	16

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Lab Sample ID: LB 480-184217/1-A

Matrix: Solid

Analysis Batch: 184587

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/29/14 14:21	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/29/14 14:21	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/29/14 14:21	10
Benzene	ND		0.010	0.0041	mg/L			05/29/14 14:21	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/29/14 14:21	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/29/14 14:21	10
Chloroform	ND		0.010	0.0034	mg/L			05/29/14 14:21	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/29/14 14:21	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/29/14 14:21	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/29/14 14:21	10

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		05/29/14 14:21	10
4-Bromofluorobenzene (Surr)	101		73 - 120		05/29/14 14:21	10
Toluene-d8 (Surr)	99		71 - 126		05/29/14 14:21	10

Lab Sample ID: LB 480-184425/1-A

Matrix: Solid

Analysis Batch: 184982

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/31/14 02:07	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/31/14 02:07	10

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Lab Sample ID: LB 480-184425/1-A

Matrix: Solid

Analysis Batch: 184982

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/31/14 02:07	10
Benzene	ND		0.010	0.0041	mg/L			05/31/14 02:07	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/31/14 02:07	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/31/14 02:07	10
Chloroform	ND		0.010	0.0034	mg/L			05/31/14 02:07	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/31/14 02:07	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/31/14 02:07	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/31/14 02:07	10
Surrogate	LB %Recovery	LB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137					05/31/14 02:07	10
4-Bromofluorobenzene (Surr)	98		73 - 120					05/31/14 02:07	10
Toluene-d8 (Surr)	97		71 - 126					05/31/14 02:07	10

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

Lab Sample ID: MB 480-184759/1-A

Matrix: Solid

Analysis Batch: 185323

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 184759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0025	0.00012	mg/L		05/30/14 05:46	06/03/14 18:24	1
2,4-Dinitrotoluene	ND		0.0013	0.00011	mg/L		05/30/14 05:46	06/03/14 18:24	1
Hexachlorobenzene	ND		0.0013	0.00013	mg/L		05/30/14 05:46	06/03/14 18:24	1
Hexachlorobutadiene	ND		0.0013	0.00017	mg/L		05/30/14 05:46	06/03/14 18:24	1
Hexachloroethane	ND		0.0013	0.00015	mg/L		05/30/14 05:46	06/03/14 18:24	1
3-Methylphenol	ND		0.0025	0.00010	mg/L		05/30/14 05:46	06/03/14 18:24	1
2-Methylphenol	ND		0.0013	0.00010	mg/L		05/30/14 05:46	06/03/14 18:24	1
4-Methylphenol	ND		0.0025	0.000090	mg/L		05/30/14 05:46	06/03/14 18:24	1
Nitrobenzene	ND		0.0013	0.000073	mg/L		05/30/14 05:46	06/03/14 18:24	1
Pentachlorophenol	ND		0.0025	0.00055	mg/L		05/30/14 05:46	06/03/14 18:24	1
Pyridine	ND		0.0063	0.00010	mg/L		05/30/14 05:46	06/03/14 18:24	1
2,4,5-Trichlorophenol	ND		0.0013	0.00012	mg/L		05/30/14 05:46	06/03/14 18:24	1
2,4,6-Trichlorophenol	ND		0.0013	0.00015	mg/L		05/30/14 05:46	06/03/14 18:24	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	89		52 - 132				05/30/14 05:46	06/03/14 18:24	1
2-Fluorobiphenyl	77		48 - 120				05/30/14 05:46	06/03/14 18:24	1
2-Fluorophenol	50		20 - 120				05/30/14 05:46	06/03/14 18:24	1
Nitrobenzene-d5	84		46 - 120				05/30/14 05:46	06/03/14 18:24	1
p-Terphenyl-d14	100		67 - 150				05/30/14 05:46	06/03/14 18:24	1
Phenol-d5	35		16 - 120				05/30/14 05:46	06/03/14 18:24	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Lab Sample ID: LCS 480-184759/2-A

Matrix: Solid

Analysis Batch: 185323

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 184759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.0181		mg/L		36	32 - 120
2,4-Dinitrotoluene	0.0500	0.0444		mg/L		89	65 - 154
Hexachloroethane	0.0500	0.0149		mg/L		30	14 - 101
Pentachlorophenol	0.100	0.0940		mg/L		94	39 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	86		52 - 132
2-Fluorobiphenyl	71		48 - 120
2-Fluorophenol	40		20 - 120
Nitrobenzene-d5	68		46 - 120
p-Terphenyl-d14	92		67 - 150
Phenol-d5	31		16 - 120

Lab Sample ID: LCSD 480-184759/3-A

Matrix: Solid

Analysis Batch: 185323

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 184759

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0500	0.0201		mg/L		40	32 - 120	11	36
2,4-Dinitrotoluene	0.0500	0.0482		mg/L		96	65 - 154	8	20
Hexachloroethane	0.0500	0.0169		mg/L		34	14 - 101	12	46
Pentachlorophenol	0.100	0.100		mg/L		100	39 - 136	6	37

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol	93		52 - 132
2-Fluorobiphenyl	75		48 - 120
2-Fluorophenol	42		20 - 120
Nitrobenzene-d5	72		46 - 120
p-Terphenyl-d14	98		67 - 150
Phenol-d5	32		16 - 120

Lab Sample ID: LB 480-184043/1-D

Matrix: Solid

Analysis Batch: 185323

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 184759

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/30/14 05:46	06/03/14 19:35	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/03/14 19:35	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/03/14 19:35	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/03/14 19:35	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/03/14 19:35	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/03/14 19:35	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/03/14 19:35	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/03/14 19:35	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/03/14 19:35	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/03/14 19:35	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/03/14 19:35	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Lab Sample ID: LB 480-184043/1-D

Matrix: Solid

Analysis Batch: 185323

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 184759

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/03/14 19:35	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/03/14 19:35	1
Surrogate	LB %Recovery	LB Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	86		52 - 132				05/30/14 05:46	06/03/14 19:35	1
2-Fluorobiphenyl	72		48 - 120				05/30/14 05:46	06/03/14 19:35	1
2-Fluorophenol	42		20 - 120				05/30/14 05:46	06/03/14 19:35	1
Nitrobenzene-d5	75		46 - 120				05/30/14 05:46	06/03/14 19:35	1
p-Terphenyl-d14	96		67 - 150				05/30/14 05:46	06/03/14 19:35	1
Phenol-d5	30		16 - 120				05/30/14 05:46	06/03/14 19:35	1

Lab Sample ID: LB2 480-184319/1-D

Matrix: Solid

Analysis Batch: 185323

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 184759

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/30/14 05:46	06/03/14 19:59	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/30/14 05:46	06/03/14 19:59	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/30/14 05:46	06/03/14 19:59	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/30/14 05:46	06/03/14 19:59	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/30/14 05:46	06/03/14 19:59	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/30/14 05:46	06/03/14 19:59	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/30/14 05:46	06/03/14 19:59	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/30/14 05:46	06/03/14 19:59	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/30/14 05:46	06/03/14 19:59	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/30/14 05:46	06/03/14 19:59	1
Pyridine	ND		0.025	0.00041	mg/L		05/30/14 05:46	06/03/14 19:59	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/30/14 05:46	06/03/14 19:59	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/30/14 05:46	06/03/14 19:59	1
Surrogate	LB2 %Recovery	LB2 Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	95		52 - 132				05/30/14 05:46	06/03/14 19:59	1
2-Fluorobiphenyl	77		48 - 120				05/30/14 05:46	06/03/14 19:59	1
2-Fluorophenol	46		20 - 120				05/30/14 05:46	06/03/14 19:59	1
Nitrobenzene-d5	80		46 - 120				05/30/14 05:46	06/03/14 19:59	1
p-Terphenyl-d14	109		67 - 150				05/30/14 05:46	06/03/14 19:59	1
Phenol-d5	33		16 - 120				05/30/14 05:46	06/03/14 19:59	1

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

Lab Sample ID: MB 480-183428/1-A

Matrix: Solid

Analysis Batch: 183756

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 183428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.20	0.039	mg/Kg		05/21/14 19:56	05/23/14 13:50	1
PCB-1221	ND		0.20	0.039	mg/Kg		05/21/14 19:56	05/23/14 13:50	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Lab Sample ID: MB 480-183428/1-A

Matrix: Solid

Analysis Batch: 183756

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 183428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.20	0.039	mg/Kg		05/21/14 19:56	05/23/14 13:50	1
PCB-1242	ND		0.20	0.039	mg/Kg		05/21/14 19:56	05/23/14 13:50	1
PCB-1248	ND		0.20	0.039	mg/Kg		05/21/14 19:56	05/23/14 13:50	1
PCB-1254	ND		0.20	0.092	mg/Kg		05/21/14 19:56	05/23/14 13:50	1
PCB-1260	ND		0.20	0.092	mg/Kg		05/21/14 19:56	05/23/14 13:50	1
PCB-1262	ND		0.20	0.092	mg/Kg		05/21/14 19:56	05/23/14 13:50	1
PCB-1268	ND		0.20	0.092	mg/Kg		05/21/14 19:56	05/23/14 13:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	120		46 - 175				05/21/14 19:56	05/23/14 13:50	1
DCB Decachlorobiphenyl	119		47 - 176				05/21/14 19:56	05/23/14 13:50	1

Lab Sample ID: LCS 480-183428/2-A

Matrix: Solid

Analysis Batch: 183756

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 183428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.14	2.71		mg/Kg		127	51 - 185
PCB-1260	2.14	3.44		mg/Kg		161	61 - 184
Surrogate	%Recovery	Qualifier	Limits				
Tetrachloro-m-xylene	143		46 - 175				
DCB Decachlorobiphenyl	124		47 - 176				

Lab Sample ID: 480-60207-1 MS

Matrix: Solid

Analysis Batch: 183756

Client Sample ID: P-1 B-2 4-5

Prep Type: Total/NA

Prep Batch: 183428

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		2.71	3.29		mg/Kg	☼	121	42 - 159
PCB-1260	0.73		2.71	4.89		mg/Kg	☼	153	47 - 153
Surrogate	%Recovery	Qualifier	Limits						
Tetrachloro-m-xylene	126		46 - 175						
DCB Decachlorobiphenyl	135		47 - 176						

Lab Sample ID: 480-60207-1 MSD

Matrix: Solid

Analysis Batch: 183756

Client Sample ID: P-1 B-2 4-5

Prep Type: Total/NA

Prep Batch: 183428

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		2.59	2.99		mg/Kg	☼	115	42 - 159	10	50
PCB-1260	0.73		2.59	4.66		mg/Kg	☼	152	47 - 153	5	50
Surrogate	%Recovery	Qualifier	Limits								
Tetrachloro-m-xylene	124		46 - 175								
DCB Decachlorobiphenyl	157		47 - 176								

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-184393/2-A

Matrix: Solid

Analysis Batch: 185177

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 184393

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/28/14 13:40	05/30/14 21:55	1
Barium	ND		0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 21:55	1
Cadmium	ND		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 21:55	1
Chromium	ND		0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 21:55	1
Lead	ND		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 21:55	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 21:55	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 21:55	1

Lab Sample ID: LCS 480-184393/3-A

Matrix: Solid

Analysis Batch: 185177

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 184393

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.969		mg/L		97	80 - 120
Barium	1.00	0.966		mg/L		97	80 - 120
Cadmium	1.00	0.954		mg/L		95	80 - 120
Chromium	1.00	0.967		mg/L		97	80 - 120
Lead	1.00	0.925		mg/L		93	80 - 120
Selenium	1.00	0.998		mg/L		100	80 - 120
Silver	1.00	0.990		mg/L		99	80 - 120

Lab Sample ID: MB 480-184394/2-A

Matrix: Solid

Analysis Batch: 185177

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 184394

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/28/14 13:40	05/30/14 20:14	1
Barium	ND		0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 20:14	1
Cadmium	ND		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 20:14	1
Chromium	ND		0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 20:14	1
Lead	ND		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 20:14	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 20:14	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 20:14	1

Lab Sample ID: LCS 480-184394/3-A

Matrix: Solid

Analysis Batch: 185177

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 184394

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.04		mg/L		104	80 - 120
Barium	1.00	0.963		mg/L		96	80 - 120
Cadmium	1.00	1.01		mg/L		101	80 - 120
Chromium	1.00	0.962		mg/L		96	80 - 120
Lead	1.00	0.968		mg/L		97	80 - 120
Selenium	1.00	1.06		mg/L		106	80 - 120
Silver	1.00	1.12		mg/L		112	80 - 120

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Lab Sample ID: LB2 480-184319/1-B

Matrix: Solid

Analysis Batch: 185177

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 184393

Analyte	Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/28/14 13:40	05/30/14 21:52	1
Barium	0.00179	J	0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 21:52	1
Cadmium	ND		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 21:52	1
Chromium	ND		0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 21:52	1
Lead	ND		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 21:52	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 21:52	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 21:52	1

Lab Sample ID: 480-60207-12 MS

Matrix: Solid

Analysis Batch: 185177

Client Sample ID: P-1 D-3 0-1

Prep Type: TCLP

Prep Batch: 184393

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0090	J	1.00	1.05		mg/L		104	75 - 125
Barium	0.58	B	1.00	1.48		mg/L		90	75 - 125
Cadmium	0.044		1.00	1.05		mg/L		100	75 - 125
Chromium	0.012		1.00	0.872		mg/L		86	75 - 125
Lead	0.14		1.00	1.05		mg/L		91	75 - 125
Selenium	ND		1.00	1.04		mg/L		104	75 - 125
Silver	ND		1.00	1.07		mg/L		107	75 - 125

Lab Sample ID: 480-60207-12 MSD

Matrix: Solid

Analysis Batch: 185177

Client Sample ID: P-1 D-3 0-1

Prep Type: TCLP

Prep Batch: 184393

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	0.0090	J	1.00	1.11		mg/L		110	75 - 125	5	20
Barium	0.58	B	1.00	1.52		mg/L		94	75 - 125	3	20
Cadmium	0.044		1.00	1.10		mg/L		105	75 - 125	5	20
Chromium	0.012		1.00	0.908		mg/L		90	75 - 125	4	20
Lead	0.14		1.00	1.06		mg/L		93	75 - 125	2	20
Selenium	ND		1.00	1.11		mg/L		111	75 - 125	6	20
Silver	ND		1.00	1.13		mg/L		113	75 - 125	5	20

Lab Sample ID: LB 480-184043/1-B

Matrix: Solid

Analysis Batch: 185177

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 184394

Analyte	Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/28/14 13:40	05/30/14 20:11	1
Barium	0.0237		0.0020	0.00070	mg/L		05/28/14 13:40	05/30/14 20:11	1
Cadmium	ND		0.0020	0.00050	mg/L		05/28/14 13:40	05/30/14 20:11	1
Chromium	0.00274	J	0.0040	0.0010	mg/L		05/28/14 13:40	05/30/14 20:11	1
Lead	ND		0.010	0.0030	mg/L		05/28/14 13:40	05/30/14 20:11	1
Selenium	ND		0.025	0.0087	mg/L		05/28/14 13:40	05/30/14 20:11	1
Silver	ND		0.0060	0.0017	mg/L		05/28/14 13:40	05/30/14 20:11	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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

Lab Sample ID: 480-60207-17 MS

Matrix: Solid

Analysis Batch: 185177

Client Sample ID: P-1 C-3 11-12

Prep Type: TCLP

Prep Batch: 184394

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1.00	1.11		mg/L		111	75 - 125
Barium	0.24	B	1.00	1.21		mg/L		97	75 - 125
Cadmium	0.0074		1.00	1.09		mg/L		108	75 - 125
Chromium	0.0068	B	1.00	0.952		mg/L		95	75 - 125
Lead	0.018		1.00	1.01		mg/L		99	75 - 125
Selenium	ND		1.00	1.10		mg/L		110	75 - 125
Silver	ND		1.00	1.18		mg/L		118	75 - 125

Lab Sample ID: 480-60207-17 MSD

Matrix: Solid

Analysis Batch: 185177

Client Sample ID: P-1 C-3 11-12

Prep Type: TCLP

Prep Batch: 184394

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1.00	1.08		mg/L		108	75 - 125	2	20
Barium	0.24	B	1.00	1.18		mg/L		94	75 - 125	2	20
Cadmium	0.0074		1.00	1.07		mg/L		106	75 - 125	2	20
Chromium	0.0068	B	1.00	0.938		mg/L		93	75 - 125	1	20
Lead	0.018		1.00	0.987		mg/L		97	75 - 125	2	20
Selenium	ND		1.00	1.07		mg/L		107	75 - 125	2	20
Silver	ND		1.00	1.14		mg/L		114	75 - 125	3	20

Method: 7470A_ASP - Mercury (CVAA)

Lab Sample ID: MB 480-184403/2-A

Matrix: Solid

Analysis Batch: 184610

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 184403

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 16:44	1

Lab Sample ID: LCS 480-184403/3-A

Matrix: Solid

Analysis Batch: 184610

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 184403

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00702		mg/L		105	80 - 120

Lab Sample ID: MB 480-184404/2-A

Matrix: Solid

Analysis Batch: 184610

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 184404

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 16:56	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Method: 7470A_ASP - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 480-184404/3-A

Matrix: Solid

Analysis Batch: 184610

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 184404

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00628		mg/L		94	80 - 120

Lab Sample ID: LB2 480-184319/1-C

Matrix: Solid

Analysis Batch: 184610

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 184403

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 16:42	1

Lab Sample ID: 480-60207-12 MS

Matrix: Solid

Analysis Batch: 184610

Client Sample ID: P-1 D-3 0-1

Prep Type: TCLP

Prep Batch: 184403

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00663		mg/L		99	75 - 125

Lab Sample ID: 480-60207-12 MSD

Matrix: Solid

Analysis Batch: 184610

Client Sample ID: P-1 D-3 0-1

Prep Type: TCLP

Prep Batch: 184403

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00670		mg/L		100	75 - 125	1	20

Lab Sample ID: LB 480-184043/1-C

Matrix: Solid

Analysis Batch: 184610

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 184404

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/28/14 14:00	05/28/14 16:54	1

Lab Sample ID: 480-60207-17 MS

Matrix: Solid

Analysis Batch: 184610

Client Sample ID: P-1 C-3 11-12

Prep Type: TCLP

Prep Batch: 184404

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00698		mg/L		105	75 - 125

Lab Sample ID: 480-60207-17 MSD

Matrix: Solid

Analysis Batch: 184610

Client Sample ID: P-1 C-3 11-12

Prep Type: TCLP

Prep Batch: 184404

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00680		mg/L		102	75 - 125	3	20

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Method: 1010A - Ignitability, Pensky-Martens Closed Cup Method

Lab Sample ID: LCS 480-184462/1

Matrix: Solid

Analysis Batch: 184462

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	80.00		Degrees F		99	97.5 - 102.5

Lab Sample ID: 480-60207-4 DU

Matrix: Solid

Analysis Batch: 184462

Client Sample ID: P-1 B-3 0-1B

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Flashpoint	>176.0		>176.0		Degrees F		NC	10

Lab Sample ID: LCS 480-184692/1

Matrix: Solid

Analysis Batch: 184692

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	80.00		Degrees F		99	97.5 - 102.5

Lab Sample ID: 480-60207-13 DU

Matrix: Solid

Analysis Batch: 184692

Client Sample ID: P-1 D-3 7-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Flashpoint	>176.0		>176.0		Degrees F		NC	10

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-184370/1-A

Matrix: Solid

Analysis Batch: 184387

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 184370

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/27/14 23:20	05/28/14 10:32	1

Lab Sample ID: LCS 480-184370/2-A

Matrix: Solid

Analysis Batch: 184387

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 184370

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	223.8		mg/Kg		22	10 - 100

Lab Sample ID: MB 480-184634/1-A

Matrix: Solid

Analysis Batch: 184889

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 184634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/28/14 23:45	05/30/14 08:40	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Method: 9012 - Cyanide, Reactive (Continued)

Lab Sample ID: LCS 480-184634/2-A

Matrix: Solid

Analysis Batch: 184889

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 184634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	326.2		mg/Kg		33	10 - 100

Lab Sample ID: 480-60207-2 DU

Matrix: Solid

Analysis Batch: 184889

Client Sample ID: P-1 B-3 0-1A

Prep Type: Total/NA

Prep Batch: 184634

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	ND		ND		mg/Kg		NC	20

Lab Sample ID: MB 480-184866/1-A

Matrix: Solid

Analysis Batch: 184893

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 184866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/29/14 23:05	05/30/14 09:16	1

Lab Sample ID: LCS 480-184866/2-A

Matrix: Solid

Analysis Batch: 184893

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 184866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	263.8		mg/Kg		26	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-184380/1-A

Matrix: Solid

Analysis Batch: 184872

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 184380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/27/14 23:20	05/30/14 00:20	1

Lab Sample ID: LCS 480-184380/2-A

Matrix: Solid

Analysis Batch: 184872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 184380

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	1000	781.5		mg/Kg		78	10 - 100

Lab Sample ID: MB 480-184635/1-A

Matrix: Solid

Analysis Batch: 184874

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 184635

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/28/14 23:45	05/30/14 01:50	1

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCS 480-184635/2-A

Matrix: Solid

Analysis Batch: 184874

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 184635

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	1000	761.4		mg/Kg		76	10 - 100

Lab Sample ID: 480-60207-2 DU

Matrix: Solid

Analysis Batch: 184874

Client Sample ID: P-1 B-3 0-1A

Prep Type: Total/NA

Prep Batch: 184635

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Sulfide, Reactive	ND		ND		mg/Kg		NC	20

Lab Sample ID: MB 480-184867/1-A

Matrix: Solid

Analysis Batch: 184894

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 184867

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/29/14 23:05	05/30/14 09:45	1

Lab Sample ID: LCS 480-184867/2-A

Matrix: Solid

Analysis Batch: 184894

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 184867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	1000	781.5		mg/Kg		78	10 - 100

Method: 9045D - pH

Lab Sample ID: LCS 480-183952/1

Matrix: Solid

Analysis Batch: 183952

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	6.960		SU		99	99 - 101

Lab Sample ID: LCS 480-183952/23

Matrix: Solid

Analysis Batch: 183952

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.010		SU		100	99 - 101

Lab Sample ID: 480-60207-7 DU

Matrix: Solid

Analysis Batch: 183952

Client Sample ID: P-1 C-2 14-15

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.74		8.770		SU		0.3	5

TestAmerica Buffalo

QC Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Method: 9045D - pH (Continued)

Lab Sample ID: 480-60207-13 DU

Matrix: Solid

Analysis Batch: 183952

Client Sample ID: P-1 D-3 7-8

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.89		8.860		SU		0.3	5

QC Association Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

GC/MS VOA

Leach Batch: 184217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	TCLP	Solid	1311	
480-60207-2	P-1 B-3 0-1A	TCLP	Solid	1311	
480-60207-3	P-1 B-3 4-5A	TCLP	Solid	1311	
480-60207-4	P-1 B-3 0-1B	TCLP	Solid	1311	
480-60207-5	P-1 B-3 4-5B	TCLP	Solid	1311	
480-60207-6	P-1 C-2 0-1	TCLP	Solid	1311	
480-60207-7	P-1 C-2 14-15	TCLP	Solid	1311	
480-60207-8	P-1 C-2 7-8	TCLP	Solid	1311	
480-60207-9	P-1 D-2 0-1	TCLP	Solid	1311	
480-60207-10	P-1 D-2 7-8	TCLP	Solid	1311	
480-60207-11	P-1 D-2 14-15	TCLP	Solid	1311	
480-60207-12	P-1 D-3 0-1	TCLP	Solid	1311	
480-60207-13	P-1 D-3 7-8	TCLP	Solid	1311	
LB 480-184217/1-A	Method Blank	TCLP	Solid	1311	

Leach Batch: 184425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-14	P-1 D-3 14-15	TCLP	Solid	1311	
480-60207-15	P-1 C-3 0-1	TCLP	Solid	1311	
480-60207-16	P-1 C-3 5-6	TCLP	Solid	1311	
480-60207-17	P-1 C-3 11-12	TCLP	Solid	1311	
LB 480-184425/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 184481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	TCLP	Solid	8260C	184217
480-60207-2	P-1 B-3 0-1A	TCLP	Solid	8260C	184217
480-60207-3	P-1 B-3 4-5A	TCLP	Solid	8260C	184217
480-60207-4	P-1 B-3 0-1B	TCLP	Solid	8260C	184217
480-60207-5	P-1 B-3 4-5B	TCLP	Solid	8260C	184217
480-60207-6	P-1 C-2 0-1	TCLP	Solid	8260C	184217
480-60207-7	P-1 C-2 14-15	TCLP	Solid	8260C	184217
480-60207-8	P-1 C-2 7-8	TCLP	Solid	8260C	184217
480-60207-9	P-1 D-2 0-1	TCLP	Solid	8260C	184217
480-60207-10	P-1 D-2 7-8	TCLP	Solid	8260C	184217
480-60207-11	P-1 D-2 14-15	TCLP	Solid	8260C	184217
480-60207-12	P-1 D-3 0-1	TCLP	Solid	8260C	184217
480-60207-13	P-1 D-3 7-8	TCLP	Solid	8260C	184217
LCS 480-184481/6	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 480-184481/7	Lab Control Sample Dup	Total/NA	Solid	8260C	
MB 480-184481/9	Method Blank	Total/NA	Solid	8260C	

Analysis Batch: 184587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-184217/1-A	Method Blank	TCLP	Solid	8260C	184217
LCS 480-184587/5	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 480-184587/6	Lab Control Sample Dup	Total/NA	Solid	8260C	
MB 480-184587/8	Method Blank	Total/NA	Solid	8260C	

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

GC/MS VOA (Continued)

Analysis Batch: 184982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-14	P-1 D-3 14-15	TCLP	Solid	8260C	184425
480-60207-15	P-1 C-3 0-1	TCLP	Solid	8260C	184425
480-60207-16	P-1 C-3 5-6	TCLP	Solid	8260C	184425
480-60207-17	P-1 C-3 11-12	TCLP	Solid	8260C	184425
LB 480-184425/1-A	Method Blank	TCLP	Solid	8260C	184425
LCS 480-184982/5	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 480-184982/6	Lab Control Sample Dup	Total/NA	Solid	8260C	
MB 480-184982/7	Method Blank	Total/NA	Solid	8260C	

GC/MS Semi VOA

Leach Batch: 184043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	TCLP	Solid	1311	
480-60207-2	P-1 B-3 0-1A	TCLP	Solid	1311	
480-60207-3	P-1 B-3 4-5A	TCLP	Solid	1311	
480-60207-4	P-1 B-3 0-1B	TCLP	Solid	1311	
480-60207-5	P-1 B-3 4-5B	TCLP	Solid	1311	
480-60207-6	P-1 C-2 0-1	TCLP	Solid	1311	
480-60207-7	P-1 C-2 14-15	TCLP	Solid	1311	
480-60207-8	P-1 C-2 7-8	TCLP	Solid	1311	
480-60207-9	P-1 D-2 0-1	TCLP	Solid	1311	
480-60207-10	P-1 D-2 7-8	TCLP	Solid	1311	
480-60207-11	P-1 D-2 14-15	TCLP	Solid	1311	
480-60207-13	P-1 D-3 7-8	TCLP	Solid	1311	
480-60207-14	P-1 D-3 14-15	TCLP	Solid	1311	
480-60207-15	P-1 C-3 0-1	TCLP	Solid	1311	
480-60207-16	P-1 C-3 5-6	TCLP	Solid	1311	
480-60207-17	P-1 C-3 11-12	TCLP	Solid	1311	
LB 480-184043/1-D	Method Blank	TCLP	Solid	1311	

Leach Batch: 184319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-12	P-1 D-3 0-1	TCLP	Solid	1311	
LB2 480-184319/1-D	Method Blank	TCLP	Solid	1311	

Prep Batch: 184759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	TCLP	Solid	3510C	184043
480-60207-2	P-1 B-3 0-1A	TCLP	Solid	3510C	184043
480-60207-3	P-1 B-3 4-5A	TCLP	Solid	3510C	184043
480-60207-4	P-1 B-3 0-1B	TCLP	Solid	3510C	184043
480-60207-5	P-1 B-3 4-5B	TCLP	Solid	3510C	184043
480-60207-6	P-1 C-2 0-1	TCLP	Solid	3510C	184043
480-60207-7	P-1 C-2 14-15	TCLP	Solid	3510C	184043
480-60207-8	P-1 C-2 7-8	TCLP	Solid	3510C	184043
480-60207-9	P-1 D-2 0-1	TCLP	Solid	3510C	184043
480-60207-10	P-1 D-2 7-8	TCLP	Solid	3510C	184043
480-60207-11	P-1 D-2 14-15	TCLP	Solid	3510C	184043
480-60207-12	P-1 D-3 0-1	TCLP	Solid	3510C	184319

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

GC/MS Semi VOA (Continued)

Prep Batch: 184759 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-13	P-1 D-3 7-8	TCLP	Solid	3510C	184043
480-60207-14	P-1 D-3 14-15	TCLP	Solid	3510C	184043
480-60207-15	P-1 C-3 0-1	TCLP	Solid	3510C	184043
480-60207-16	P-1 C-3 5-6	TCLP	Solid	3510C	184043
480-60207-17	P-1 C-3 11-12	TCLP	Solid	3510C	184043
LB 480-184043/1-D	Method Blank	TCLP	Solid	3510C	184043
LB2 480-184319/1-D	Method Blank	TCLP	Solid	3510C	184319
LCS 480-184759/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-184759/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	
MB 480-184759/1-A	Method Blank	Total/NA	Solid	3510C	

Analysis Batch: 185323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	TCLP	Solid	8270D	184759
480-60207-2	P-1 B-3 0-1A	TCLP	Solid	8270D	184759
480-60207-3	P-1 B-3 4-5A	TCLP	Solid	8270D	184759
480-60207-4	P-1 B-3 0-1B	TCLP	Solid	8270D	184759
480-60207-5	P-1 B-3 4-5B	TCLP	Solid	8270D	184759
480-60207-6	P-1 C-2 0-1	TCLP	Solid	8270D	184759
480-60207-7	P-1 C-2 14-15	TCLP	Solid	8270D	184759
480-60207-8	P-1 C-2 7-8	TCLP	Solid	8270D	184759
480-60207-9	P-1 D-2 0-1	TCLP	Solid	8270D	184759
LB 480-184043/1-D	Method Blank	TCLP	Solid	8270D	184759
LB2 480-184319/1-D	Method Blank	TCLP	Solid	8270D	184759
LCS 480-184759/2-A	Lab Control Sample	Total/NA	Solid	8270D	184759
LCSD 480-184759/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	184759
MB 480-184759/1-A	Method Blank	Total/NA	Solid	8270D	184759

Analysis Batch: 185578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-10	P-1 D-2 7-8	TCLP	Solid	8270D	184759
480-60207-11	P-1 D-2 14-15	TCLP	Solid	8270D	184759
480-60207-12	P-1 D-3 0-1	TCLP	Solid	8270D	184759
480-60207-13	P-1 D-3 7-8	TCLP	Solid	8270D	184759
480-60207-14	P-1 D-3 14-15	TCLP	Solid	8270D	184759
480-60207-15	P-1 C-3 0-1	TCLP	Solid	8270D	184759
480-60207-16	P-1 C-3 5-6	TCLP	Solid	8270D	184759
480-60207-17	P-1 C-3 11-12	TCLP	Solid	8270D	184759

GC Semi VOA

Prep Batch: 183428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	Total/NA	Solid	3550C	
480-60207-1 MS	P-1 B-2 4-5	Total/NA	Solid	3550C	
480-60207-1 MSD	P-1 B-2 4-5	Total/NA	Solid	3550C	
480-60207-2	P-1 B-3 0-1A	Total/NA	Solid	3550C	
480-60207-3	P-1 B-3 4-5A	Total/NA	Solid	3550C	
480-60207-4	P-1 B-3 0-1B	Total/NA	Solid	3550C	
480-60207-5	P-1 B-3 4-5B	Total/NA	Solid	3550C	

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

GC Semi VOA (Continued)

Prep Batch: 183428 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-6	P-1 C-2 0-1	Total/NA	Solid	3550C	
480-60207-7	P-1 C-2 14-15	Total/NA	Solid	3550C	
480-60207-8	P-1 C-2 7-8	Total/NA	Solid	3550C	
480-60207-9	P-1 D-2 0-1	Total/NA	Solid	3550C	
480-60207-10	P-1 D-2 7-8	Total/NA	Solid	3550C	
480-60207-11	P-1 D-2 14-15	Total/NA	Solid	3550C	
480-60207-12	P-1 D-3 0-1	Total/NA	Solid	3550C	
480-60207-13	P-1 D-3 7-8	Total/NA	Solid	3550C	
480-60207-14	P-1 D-3 14-15	Total/NA	Solid	3550C	
480-60207-15	P-1 C-3 0-1	Total/NA	Solid	3550C	
480-60207-16	P-1 C-3 5-6	Total/NA	Solid	3550C	
480-60207-17	P-1 C-3 11-12	Total/NA	Solid	3550C	
LCS 480-183428/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 480-183428/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 183756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	Total/NA	Solid	8082A	183428
480-60207-1 MS	P-1 B-2 4-5	Total/NA	Solid	8082A	183428
480-60207-1 MSD	P-1 B-2 4-5	Total/NA	Solid	8082A	183428
480-60207-2	P-1 B-3 0-1A	Total/NA	Solid	8082A	183428
480-60207-3	P-1 B-3 4-5A	Total/NA	Solid	8082A	183428
480-60207-4	P-1 B-3 0-1B	Total/NA	Solid	8082A	183428
480-60207-5	P-1 B-3 4-5B	Total/NA	Solid	8082A	183428
480-60207-6	P-1 C-2 0-1	Total/NA	Solid	8082A	183428
480-60207-7	P-1 C-2 14-15	Total/NA	Solid	8082A	183428
480-60207-8	P-1 C-2 7-8	Total/NA	Solid	8082A	183428
480-60207-9	P-1 D-2 0-1	Total/NA	Solid	8082A	183428
480-60207-10	P-1 D-2 7-8	Total/NA	Solid	8082A	183428
480-60207-11	P-1 D-2 14-15	Total/NA	Solid	8082A	183428
480-60207-12	P-1 D-3 0-1	Total/NA	Solid	8082A	183428
480-60207-13	P-1 D-3 7-8	Total/NA	Solid	8082A	183428
480-60207-14	P-1 D-3 14-15	Total/NA	Solid	8082A	183428
480-60207-15	P-1 C-3 0-1	Total/NA	Solid	8082A	183428
480-60207-16	P-1 C-3 5-6	Total/NA	Solid	8082A	183428
480-60207-17	P-1 C-3 11-12	Total/NA	Solid	8082A	183428
LCS 480-183428/2-A	Lab Control Sample	Total/NA	Solid	8082A	183428
MB 480-183428/1-A	Method Blank	Total/NA	Solid	8082A	183428

Metals

Leach Batch: 184043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	TCLP	Solid	1311	
480-60207-2	P-1 B-3 0-1A	TCLP	Solid	1311	
480-60207-3	P-1 B-3 4-5A	TCLP	Solid	1311	
480-60207-4	P-1 B-3 0-1B	TCLP	Solid	1311	
480-60207-5	P-1 B-3 4-5B	TCLP	Solid	1311	
480-60207-6	P-1 C-2 0-1	TCLP	Solid	1311	
480-60207-7	P-1 C-2 14-15	TCLP	Solid	1311	

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Metals (Continued)

Leach Batch: 184043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-8	P-1 C-2 7-8	TCLP	Solid	1311	
480-60207-9	P-1 D-2 0-1	TCLP	Solid	1311	
480-60207-10	P-1 D-2 7-8	TCLP	Solid	1311	
480-60207-11	P-1 D-2 14-15	TCLP	Solid	1311	
480-60207-13	P-1 D-3 7-8	TCLP	Solid	1311	
480-60207-14	P-1 D-3 14-15	TCLP	Solid	1311	
480-60207-15	P-1 C-3 0-1	TCLP	Solid	1311	
480-60207-16	P-1 C-3 5-6	TCLP	Solid	1311	
480-60207-17	P-1 C-3 11-12	TCLP	Solid	1311	
480-60207-17 MS	P-1 C-3 11-12	TCLP	Solid	1311	
480-60207-17 MSD	P-1 C-3 11-12	TCLP	Solid	1311	
LB 480-184043/1-B	Method Blank	TCLP	Solid	1311	
LB 480-184043/1-C	Method Blank	TCLP	Solid	1311	

Leach Batch: 184319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-12	P-1 D-3 0-1	TCLP	Solid	1311	
480-60207-12 MS	P-1 D-3 0-1	TCLP	Solid	1311	
480-60207-12 MSD	P-1 D-3 0-1	TCLP	Solid	1311	
LB2 480-184319/1-B	Method Blank	TCLP	Solid	1311	
LB2 480-184319/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 184393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-12	P-1 D-3 0-1	TCLP	Solid	3010A	184319
480-60207-12 MS	P-1 D-3 0-1	TCLP	Solid	3010A	184319
480-60207-12 MSD	P-1 D-3 0-1	TCLP	Solid	3010A	184319
LB2 480-184319/1-B	Method Blank	TCLP	Solid	3010A	184319
LCS 480-184393/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 480-184393/2-A	Method Blank	Total/NA	Solid	3010A	

Prep Batch: 184394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	TCLP	Solid	3010A	184043
480-60207-2	P-1 B-3 0-1A	TCLP	Solid	3010A	184043
480-60207-3	P-1 B-3 4-5A	TCLP	Solid	3010A	184043
480-60207-4	P-1 B-3 0-1B	TCLP	Solid	3010A	184043
480-60207-5	P-1 B-3 4-5B	TCLP	Solid	3010A	184043
480-60207-6	P-1 C-2 0-1	TCLP	Solid	3010A	184043
480-60207-7	P-1 C-2 14-15	TCLP	Solid	3010A	184043
480-60207-8	P-1 C-2 7-8	TCLP	Solid	3010A	184043
480-60207-9	P-1 D-2 0-1	TCLP	Solid	3010A	184043
480-60207-10	P-1 D-2 7-8	TCLP	Solid	3010A	184043
480-60207-11	P-1 D-2 14-15	TCLP	Solid	3010A	184043
480-60207-13	P-1 D-3 7-8	TCLP	Solid	3010A	184043
480-60207-14	P-1 D-3 14-15	TCLP	Solid	3010A	184043
480-60207-15	P-1 C-3 0-1	TCLP	Solid	3010A	184043
480-60207-16	P-1 C-3 5-6	TCLP	Solid	3010A	184043
480-60207-17	P-1 C-3 11-12	TCLP	Solid	3010A	184043
480-60207-17 MS	P-1 C-3 11-12	TCLP	Solid	3010A	184043
480-60207-17 MSD	P-1 C-3 11-12	TCLP	Solid	3010A	184043

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Metals (Continued)

Prep Batch: 184394 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-184043/1-B	Method Blank	TCLP	Solid	3010A	184043
LCS 480-184394/3-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 480-184394/2-A	Method Blank	Total/NA	Solid	3010A	

Prep Batch: 184403

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-12	P-1 D-3 0-1	TCLP	Solid	7470A	184319
480-60207-12 MS	P-1 D-3 0-1	TCLP	Solid	7470A	184319
480-60207-12 MSD	P-1 D-3 0-1	TCLP	Solid	7470A	184319
LB2 480-184319/1-C	Method Blank	TCLP	Solid	7470A	184319
LCS 480-184403/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 480-184403/2-A	Method Blank	Total/NA	Solid	7470A	

Prep Batch: 184404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	TCLP	Solid	7470A	184043
480-60207-2	P-1 B-3 0-1A	TCLP	Solid	7470A	184043
480-60207-3	P-1 B-3 4-5A	TCLP	Solid	7470A	184043
480-60207-4	P-1 B-3 0-1B	TCLP	Solid	7470A	184043
480-60207-5	P-1 B-3 4-5B	TCLP	Solid	7470A	184043
480-60207-6	P-1 C-2 0-1	TCLP	Solid	7470A	184043
480-60207-7	P-1 C-2 14-15	TCLP	Solid	7470A	184043
480-60207-8	P-1 C-2 7-8	TCLP	Solid	7470A	184043
480-60207-9	P-1 D-2 0-1	TCLP	Solid	7470A	184043
480-60207-10	P-1 D-2 7-8	TCLP	Solid	7470A	184043
480-60207-11	P-1 D-2 14-15	TCLP	Solid	7470A	184043
480-60207-13	P-1 D-3 7-8	TCLP	Solid	7470A	184043
480-60207-14	P-1 D-3 14-15	TCLP	Solid	7470A	184043
480-60207-15	P-1 C-3 0-1	TCLP	Solid	7470A	184043
480-60207-16	P-1 C-3 5-6	TCLP	Solid	7470A	184043
480-60207-17	P-1 C-3 11-12	TCLP	Solid	7470A	184043
480-60207-17 MS	P-1 C-3 11-12	TCLP	Solid	7470A	184043
480-60207-17 MSD	P-1 C-3 11-12	TCLP	Solid	7470A	184043
LB 480-184043/1-C	Method Blank	TCLP	Solid	7470A	184043
LCS 480-184404/3-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 480-184404/2-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 184610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	TCLP	Solid	7470A_ASP	184404
480-60207-2	P-1 B-3 0-1A	TCLP	Solid	7470A_ASP	184404
480-60207-3	P-1 B-3 4-5A	TCLP	Solid	7470A_ASP	184404
480-60207-4	P-1 B-3 0-1B	TCLP	Solid	7470A_ASP	184404
480-60207-5	P-1 B-3 4-5B	TCLP	Solid	7470A_ASP	184404
480-60207-6	P-1 C-2 0-1	TCLP	Solid	7470A_ASP	184404
480-60207-7	P-1 C-2 14-15	TCLP	Solid	7470A_ASP	184404
480-60207-8	P-1 C-2 7-8	TCLP	Solid	7470A_ASP	184404
480-60207-9	P-1 D-2 0-1	TCLP	Solid	7470A_ASP	184404
480-60207-10	P-1 D-2 7-8	TCLP	Solid	7470A_ASP	184404
480-60207-11	P-1 D-2 14-15	TCLP	Solid	7470A_ASP	184404
480-60207-12	P-1 D-3 0-1	TCLP	Solid	7470A_ASP	184404

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Metals (Continued)

Analysis Batch: 184610 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-12 MS	P-1 D-3 0-1	TCLP	Solid	7470A_ASP	184403
480-60207-12 MSD	P-1 D-3 0-1	TCLP	Solid	7470A_ASP	184403
480-60207-13	P-1 D-3 7-8	TCLP	Solid	7470A_ASP	184404
480-60207-14	P-1 D-3 14-15	TCLP	Solid	7470A_ASP	184404
480-60207-15	P-1 C-3 0-1	TCLP	Solid	7470A_ASP	184404
480-60207-16	P-1 C-3 5-6	TCLP	Solid	7470A_ASP	184404
480-60207-17	P-1 C-3 11-12	TCLP	Solid	7470A_ASP	184404
480-60207-17 MS	P-1 C-3 11-12	TCLP	Solid	7470A_ASP	184404
480-60207-17 MSD	P-1 C-3 11-12	TCLP	Solid	7470A_ASP	184404
LB 480-184043/1-C	Method Blank	TCLP	Solid	7470A_ASP	184404
LB2 480-184319/1-C	Method Blank	TCLP	Solid	7470A_ASP	184403
LCS 480-184403/3-A	Lab Control Sample	Total/NA	Solid	7470A_ASP	184403
LCS 480-184404/3-A	Lab Control Sample	Total/NA	Solid	7470A_ASP	184404
MB 480-184403/2-A	Method Blank	Total/NA	Solid	7470A_ASP	184403
MB 480-184404/2-A	Method Blank	Total/NA	Solid	7470A_ASP	184404

Analysis Batch: 185177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	TCLP	Solid	6010C	184394
480-60207-2	P-1 B-3 0-1A	TCLP	Solid	6010C	184394
480-60207-3	P-1 B-3 4-5A	TCLP	Solid	6010C	184394
480-60207-4	P-1 B-3 0-1B	TCLP	Solid	6010C	184394
480-60207-5	P-1 B-3 4-5B	TCLP	Solid	6010C	184394
480-60207-6	P-1 C-2 0-1	TCLP	Solid	6010C	184394
480-60207-7	P-1 C-2 14-15	TCLP	Solid	6010C	184394
480-60207-8	P-1 C-2 7-8	TCLP	Solid	6010C	184394
480-60207-9	P-1 D-2 0-1	TCLP	Solid	6010C	184394
480-60207-10	P-1 D-2 7-8	TCLP	Solid	6010C	184394
480-60207-11	P-1 D-2 14-15	TCLP	Solid	6010C	184394
480-60207-12	P-1 D-3 0-1	TCLP	Solid	6010C	184393
480-60207-12 MS	P-1 D-3 0-1	TCLP	Solid	6010C	184393
480-60207-12 MSD	P-1 D-3 0-1	TCLP	Solid	6010C	184393
480-60207-13	P-1 D-3 7-8	TCLP	Solid	6010C	184394
480-60207-14	P-1 D-3 14-15	TCLP	Solid	6010C	184394
480-60207-15	P-1 C-3 0-1	TCLP	Solid	6010C	184394
480-60207-16	P-1 C-3 5-6	TCLP	Solid	6010C	184394
480-60207-17	P-1 C-3 11-12	TCLP	Solid	6010C	184394
480-60207-17 MS	P-1 C-3 11-12	TCLP	Solid	6010C	184394
480-60207-17 MSD	P-1 C-3 11-12	TCLP	Solid	6010C	184394
LB 480-184043/1-B	Method Blank	TCLP	Solid	6010C	184394
LB2 480-184319/1-B	Method Blank	TCLP	Solid	6010C	184393
LCS 480-184393/3-A	Lab Control Sample	Total/NA	Solid	6010C	184393
LCS 480-184394/3-A	Lab Control Sample	Total/NA	Solid	6010C	184394
MB 480-184393/2-A	Method Blank	Total/NA	Solid	6010C	184393
MB 480-184394/2-A	Method Blank	Total/NA	Solid	6010C	184394

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

General Chemistry

Analysis Batch: 183137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	Total/NA	Solid	Moisture	
480-60207-2	P-1 B-3 0-1A	Total/NA	Solid	Moisture	
480-60207-3	P-1 B-3 4-5A	Total/NA	Solid	Moisture	
480-60207-4	P-1 B-3 0-1B	Total/NA	Solid	Moisture	
480-60207-5	P-1 B-3 4-5B	Total/NA	Solid	Moisture	
480-60207-6	P-1 C-2 0-1	Total/NA	Solid	Moisture	
480-60207-7	P-1 C-2 14-15	Total/NA	Solid	Moisture	
480-60207-8	P-1 C-2 7-8	Total/NA	Solid	Moisture	
480-60207-9	P-1 D-2 0-1	Total/NA	Solid	Moisture	
480-60207-10	P-1 D-2 7-8	Total/NA	Solid	Moisture	
480-60207-11	P-1 D-2 14-15	Total/NA	Solid	Moisture	
480-60207-12	P-1 D-3 0-1	Total/NA	Solid	Moisture	
480-60207-13	P-1 D-3 7-8	Total/NA	Solid	Moisture	

Analysis Batch: 183691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-14	P-1 D-3 14-15	Total/NA	Solid	Moisture	
480-60207-15	P-1 C-3 0-1	Total/NA	Solid	Moisture	
480-60207-16	P-1 C-3 5-6	Total/NA	Solid	Moisture	
480-60207-17	P-1 C-3 11-12	Total/NA	Solid	Moisture	

Analysis Batch: 183952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	Total/NA	Solid	9045D	
480-60207-2	P-1 B-3 0-1A	Total/NA	Solid	9045D	
480-60207-3	P-1 B-3 4-5A	Total/NA	Solid	9045D	
480-60207-4	P-1 B-3 0-1B	Total/NA	Solid	9045D	
480-60207-5	P-1 B-3 4-5B	Total/NA	Solid	9045D	
480-60207-6	P-1 C-2 0-1	Total/NA	Solid	9045D	
480-60207-7	P-1 C-2 14-15	Total/NA	Solid	9045D	
480-60207-7 DU	P-1 C-2 14-15	Total/NA	Solid	9045D	
480-60207-8	P-1 C-2 7-8	Total/NA	Solid	9045D	
480-60207-9	P-1 D-2 0-1	Total/NA	Solid	9045D	
480-60207-10	P-1 D-2 7-8	Total/NA	Solid	9045D	
480-60207-11	P-1 D-2 14-15	Total/NA	Solid	9045D	
480-60207-12	P-1 D-3 0-1	Total/NA	Solid	9045D	
480-60207-13	P-1 D-3 7-8	Total/NA	Solid	9045D	
480-60207-13 DU	P-1 D-3 7-8	Total/NA	Solid	9045D	
480-60207-14	P-1 D-3 14-15	Total/NA	Solid	9045D	
480-60207-15	P-1 C-3 0-1	Total/NA	Solid	9045D	
480-60207-16	P-1 C-3 5-6	Total/NA	Solid	9045D	
480-60207-17	P-1 C-3 11-12	Total/NA	Solid	9045D	
LCS 480-183952/1	Lab Control Sample	Total/NA	Solid	9045D	
LCS 480-183952/23	Lab Control Sample	Total/NA	Solid	9045D	

Prep Batch: 184370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	Total/NA	Solid	7.3.3	
LCS 480-184370/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
MB 480-184370/1-A	Method Blank	Total/NA	Solid	7.3.3	

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

General Chemistry (Continued)

Prep Batch: 184380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	Total/NA	Solid	7.3.4	
LCS 480-184380/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	
MB 480-184380/1-A	Method Blank	Total/NA	Solid	7.3.4	

Analysis Batch: 184387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	Total/NA	Solid	9012	184370
LCS 480-184370/2-A	Lab Control Sample	Total/NA	Solid	9012	184370
MB 480-184370/1-A	Method Blank	Total/NA	Solid	9012	184370

Analysis Batch: 184462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	Total/NA	Solid	1010A	
480-60207-2	P-1 B-3 0-1A	Total/NA	Solid	1010A	
480-60207-3	P-1 B-3 4-5A	Total/NA	Solid	1010A	
480-60207-4	P-1 B-3 0-1B	Total/NA	Solid	1010A	
480-60207-4 DU	P-1 B-3 0-1B	Total/NA	Solid	1010A	
480-60207-5	P-1 B-3 4-5B	Total/NA	Solid	1010A	
480-60207-6	P-1 C-2 0-1	Total/NA	Solid	1010A	
480-60207-7	P-1 C-2 14-15	Total/NA	Solid	1010A	
480-60207-8	P-1 C-2 7-8	Total/NA	Solid	1010A	
480-60207-9	P-1 D-2 0-1	Total/NA	Solid	1010A	
LCS 480-184462/1	Lab Control Sample	Total/NA	Solid	1010A	

Prep Batch: 184634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-2	P-1 B-3 0-1A	Total/NA	Solid	7.3.3	
480-60207-2 DU	P-1 B-3 0-1A	Total/NA	Solid	7.3.3	
480-60207-3	P-1 B-3 4-5A	Total/NA	Solid	7.3.3	
480-60207-4	P-1 B-3 0-1B	Total/NA	Solid	7.3.3	
480-60207-5	P-1 B-3 4-5B	Total/NA	Solid	7.3.3	
480-60207-6	P-1 C-2 0-1	Total/NA	Solid	7.3.3	
480-60207-7	P-1 C-2 14-15	Total/NA	Solid	7.3.3	
480-60207-8	P-1 C-2 7-8	Total/NA	Solid	7.3.3	
480-60207-9	P-1 D-2 0-1	Total/NA	Solid	7.3.3	
LCS 480-184634/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
MB 480-184634/1-A	Method Blank	Total/NA	Solid	7.3.3	

Prep Batch: 184635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-2	P-1 B-3 0-1A	Total/NA	Solid	7.3.4	
480-60207-2 DU	P-1 B-3 0-1A	Total/NA	Solid	7.3.4	
480-60207-3	P-1 B-3 4-5A	Total/NA	Solid	7.3.4	
480-60207-4	P-1 B-3 0-1B	Total/NA	Solid	7.3.4	
480-60207-5	P-1 B-3 4-5B	Total/NA	Solid	7.3.4	
480-60207-6	P-1 C-2 0-1	Total/NA	Solid	7.3.4	
480-60207-7	P-1 C-2 14-15	Total/NA	Solid	7.3.4	
480-60207-8	P-1 C-2 7-8	Total/NA	Solid	7.3.4	
480-60207-9	P-1 D-2 0-1	Total/NA	Solid	7.3.4	
LCS 480-184635/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	
MB 480-184635/1-A	Method Blank	Total/NA	Solid	7.3.4	

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

General Chemistry (Continued)

Analysis Batch: 184692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-10	P-1 D-2 7-8	Total/NA	Solid	1010A	
480-60207-11	P-1 D-2 14-15	Total/NA	Solid	1010A	
480-60207-12	P-1 D-3 0-1	Total/NA	Solid	1010A	
480-60207-13	P-1 D-3 7-8	Total/NA	Solid	1010A	
480-60207-13 DU	P-1 D-3 7-8	Total/NA	Solid	1010A	
480-60207-14	P-1 D-3 14-15	Total/NA	Solid	1010A	
480-60207-15	P-1 C-3 0-1	Total/NA	Solid	1010A	
480-60207-16	P-1 C-3 5-6	Total/NA	Solid	1010A	
480-60207-17	P-1 C-3 11-12	Total/NA	Solid	1010A	
LCS 480-184692/1	Lab Control Sample	Total/NA	Solid	1010A	

Prep Batch: 184866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-10	P-1 D-2 7-8	Total/NA	Solid	7.3.3	
480-60207-11	P-1 D-2 14-15	Total/NA	Solid	7.3.3	
480-60207-12	P-1 D-3 0-1	Total/NA	Solid	7.3.3	
480-60207-13	P-1 D-3 7-8	Total/NA	Solid	7.3.3	
480-60207-14	P-1 D-3 14-15	Total/NA	Solid	7.3.3	
480-60207-15	P-1 C-3 0-1	Total/NA	Solid	7.3.3	
480-60207-16	P-1 C-3 5-6	Total/NA	Solid	7.3.3	
480-60207-17	P-1 C-3 11-12	Total/NA	Solid	7.3.3	
LCS 480-184866/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
MB 480-184866/1-A	Method Blank	Total/NA	Solid	7.3.3	

Prep Batch: 184867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-10	P-1 D-2 7-8	Total/NA	Solid	7.3.4	
480-60207-11	P-1 D-2 14-15	Total/NA	Solid	7.3.4	
480-60207-12	P-1 D-3 0-1	Total/NA	Solid	7.3.4	
480-60207-13	P-1 D-3 7-8	Total/NA	Solid	7.3.4	
480-60207-14	P-1 D-3 14-15	Total/NA	Solid	7.3.4	
480-60207-15	P-1 C-3 0-1	Total/NA	Solid	7.3.4	
480-60207-16	P-1 C-3 5-6	Total/NA	Solid	7.3.4	
480-60207-17	P-1 C-3 11-12	Total/NA	Solid	7.3.4	
LCS 480-184867/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	
MB 480-184867/1-A	Method Blank	Total/NA	Solid	7.3.4	

Analysis Batch: 184872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-1	P-1 B-2 4-5	Total/NA	Solid	9034	184380
LCS 480-184380/2-A	Lab Control Sample	Total/NA	Solid	9034	184380
MB 480-184380/1-A	Method Blank	Total/NA	Solid	9034	184380

Analysis Batch: 184874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-2	P-1 B-3 0-1A	Total/NA	Solid	9034	184635
480-60207-2 DU	P-1 B-3 0-1A	Total/NA	Solid	9034	184635
480-60207-3	P-1 B-3 4-5A	Total/NA	Solid	9034	184635
480-60207-4	P-1 B-3 0-1B	Total/NA	Solid	9034	184635
480-60207-5	P-1 B-3 4-5B	Total/NA	Solid	9034	184635
480-60207-6	P-1 C-2 0-1	Total/NA	Solid	9034	184635

TestAmerica Buffalo

QC Association Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

General Chemistry (Continued)

Analysis Batch: 184874 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-7	P-1 C-2 14-15	Total/NA	Solid	9034	184635
480-60207-8	P-1 C-2 7-8	Total/NA	Solid	9034	184635
480-60207-9	P-1 D-2 0-1	Total/NA	Solid	9034	184635
LCS 480-184635/2-A	Lab Control Sample	Total/NA	Solid	9034	184635
MB 480-184635/1-A	Method Blank	Total/NA	Solid	9034	184635

Analysis Batch: 184889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-2	P-1 B-3 0-1A	Total/NA	Solid	9012	184634
480-60207-2 DU	P-1 B-3 0-1A	Total/NA	Solid	9012	184634
480-60207-3	P-1 B-3 4-5A	Total/NA	Solid	9012	184634
480-60207-4	P-1 B-3 0-1B	Total/NA	Solid	9012	184634
480-60207-5	P-1 B-3 4-5B	Total/NA	Solid	9012	184634
480-60207-6	P-1 C-2 0-1	Total/NA	Solid	9012	184634
480-60207-7	P-1 C-2 14-15	Total/NA	Solid	9012	184634
480-60207-8	P-1 C-2 7-8	Total/NA	Solid	9012	184634
480-60207-9	P-1 D-2 0-1	Total/NA	Solid	9012	184634
LCS 480-184634/2-A	Lab Control Sample	Total/NA	Solid	9012	184634
MB 480-184634/1-A	Method Blank	Total/NA	Solid	9012	184634

Analysis Batch: 184893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-10	P-1 D-2 7-8	Total/NA	Solid	9012	184866
480-60207-11	P-1 D-2 14-15	Total/NA	Solid	9012	184866
480-60207-12	P-1 D-3 0-1	Total/NA	Solid	9012	184866
480-60207-13	P-1 D-3 7-8	Total/NA	Solid	9012	184866
480-60207-14	P-1 D-3 14-15	Total/NA	Solid	9012	184866
480-60207-15	P-1 C-3 0-1	Total/NA	Solid	9012	184866
480-60207-16	P-1 C-3 5-6	Total/NA	Solid	9012	184866
480-60207-17	P-1 C-3 11-12	Total/NA	Solid	9012	184866
LCS 480-184866/2-A	Lab Control Sample	Total/NA	Solid	9012	184866
MB 480-184866/1-A	Method Blank	Total/NA	Solid	9012	184866

Analysis Batch: 184894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60207-10	P-1 D-2 7-8	Total/NA	Solid	9034	184867
480-60207-11	P-1 D-2 14-15	Total/NA	Solid	9034	184867
480-60207-12	P-1 D-3 0-1	Total/NA	Solid	9034	184867
480-60207-13	P-1 D-3 7-8	Total/NA	Solid	9034	184867
480-60207-14	P-1 D-3 14-15	Total/NA	Solid	9034	184867
480-60207-15	P-1 C-3 0-1	Total/NA	Solid	9034	184867
480-60207-16	P-1 C-3 5-6	Total/NA	Solid	9034	184867
480-60207-17	P-1 C-3 11-12	Total/NA	Solid	9034	184867
LCS 480-184867/2-A	Lab Control Sample	Total/NA	Solid	9034	184867
MB 480-184867/1-A	Method Blank	Total/NA	Solid	9034	184867

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 B-2 4-5

Date Collected: 05/19/14 13:40

Date Received: 05/19/14 16:50

Lab Sample ID: 480-60207-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 04:57	LCH	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185323	06/03/14 20:23	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183756	05/23/14 14:53	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 20:29	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:02	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184462	05/28/14 08:37	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 21:20	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 B-3 0-1A

Date Collected: 05/19/14 14:05

Date Received: 05/19/14 16:50

Lab Sample ID: 480-60207-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 05:22	LCH	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185323	06/03/14 20:46	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183756	05/23/14 15:09	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 20:31	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:04	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184462	05/28/14 08:37	RP	TAL BUF
Total/NA	Prep	7.3.3			184634	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9012		1	184889	05/30/14 08:40	LAW	TAL BUF
Total/NA	Prep	7.3.4			184635	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9034		1	184874	05/30/14 01:50	LAW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 B-3 0-1A

Lab Sample ID: 480-60207-2

Date Collected: 05/19/14 14:05

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	183952	05/23/14 21:24	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 B-3 4-5A

Lab Sample ID: 480-60207-3

Date Collected: 05/19/14 14:00

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 05:45	LCH	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185323	06/03/14 21:10	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183756	05/23/14 15:25	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 20:34	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:06	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184462	05/28/14 08:37	RP	TAL BUF
Total/NA	Prep	7.3.3			184634	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9012		1	184889	05/30/14 08:40	LAW	TAL BUF
Total/NA	Prep	7.3.4			184635	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9034		1	184874	05/30/14 01:50	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 21:28	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 B-3 0-1B

Lab Sample ID: 480-60207-4

Date Collected: 05/19/14 14:10

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 06:10	LCH	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185323	06/03/14 21:34	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183756	05/23/14 15:41	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 B-3 0-1B

Lab Sample ID: 480-60207-4

Date Collected: 05/19/14 14:10

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Analysis	6010C		1	185177	05/30/14 20:37	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:07	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184462	05/28/14 08:37	RP	TAL BUF
Total/NA	Prep	7.3.3			184634	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9012		1	184889	05/30/14 08:40	LAW	TAL BUF
Total/NA	Prep	7.3.4			184635	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9034		1	184874	05/30/14 01:50	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 21:32	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 B-3 4-5B

Lab Sample ID: 480-60207-5

Date Collected: 05/19/14 14:15

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 06:33	LCH	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185323	06/03/14 21:58	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183756	05/23/14 15:57	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 20:40	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:09	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184462	05/28/14 08:37	RP	TAL BUF
Total/NA	Prep	7.3.3			184634	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9012		1	184889	05/30/14 08:40	LAW	TAL BUF
Total/NA	Prep	7.3.4			184635	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9034		1	184874	05/30/14 01:50	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 21:37	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 C-2 0-1

Lab Sample ID: 480-60207-6

Date Collected: 05/19/14 14:25

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 06:57	LCH	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185323	06/03/14 22:21	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183756	05/23/14 16:13	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 20:43	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:10	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184462	05/28/14 08:37	RP	TAL BUF
Total/NA	Prep	7.3.3			184634	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9012		1	184889	05/30/14 08:40	LAW	TAL BUF
Total/NA	Prep	7.3.4			184635	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9034		1	184874	05/30/14 01:50	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 21:41	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 C-2 14-15

Lab Sample ID: 480-60207-7

Date Collected: 05/19/14 14:20

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 07:21	LCH	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185323	06/03/14 22:45	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		2	183756	05/23/14 17:01	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 20:46	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:12	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184462	05/28/14 08:37	RP	TAL BUF
Total/NA	Prep	7.3.3			184634	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9012		1	184889	05/30/14 08:40	LAW	TAL BUF
Total/NA	Prep	7.3.4			184635	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9034		1	184874	05/30/14 01:50	LAW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 C-2 14-15

Lab Sample ID: 480-60207-7

Date Collected: 05/19/14 14:20

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	183952	05/23/14 21:45	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 C-2 7-8

Lab Sample ID: 480-60207-8

Date Collected: 05/19/14 14:22

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 07:45	LCH	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185323	06/03/14 23:09	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		20	183756	05/23/14 17:16	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 20:49	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:14	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184462	05/28/14 08:37	RP	TAL BUF
Total/NA	Prep	7.3.3			184634	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9012		1	184889	05/30/14 08:40	LAW	TAL BUF
Total/NA	Prep	7.3.4			184635	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9034		1	184874	05/30/14 01:50	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 21:58	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 D-2 0-1

Lab Sample ID: 480-60207-9

Date Collected: 05/19/14 14:30

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 08:09	LCH	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185323	06/03/14 23:32	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		20	183756	05/23/14 17:32	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 D-2 0-1

Lab Sample ID: 480-60207-9

Date Collected: 05/19/14 14:30

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Analysis	6010C		1	185177	05/30/14 21:03	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:15	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184462	05/28/14 08:37	RP	TAL BUF
Total/NA	Prep	7.3.3			184634	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9012		1	184889	05/30/14 08:40	LAW	TAL BUF
Total/NA	Prep	7.3.4			184635	05/28/14 23:45	LAW	TAL BUF
Total/NA	Analysis	9034		1	184874	05/30/14 01:50	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 22:02	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 D-2 7-8

Lab Sample ID: 480-60207-10

Date Collected: 05/19/14 14:35

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 08:33	LCH	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185578	06/04/14 12:47	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183756	05/23/14 17:48	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 21:06	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:17	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184692	05/29/14 08:55	RP	TAL BUF
Total/NA	Prep	7.3.3			184866	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	184893	05/30/14 09:16	LAW	TAL BUF
Total/NA	Prep	7.3.4			184867	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	184894	05/30/14 09:45	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 22:06	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 D-2 14-15

Lab Sample ID: 480-60207-11

Date Collected: 05/19/14 14:32

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 08:57	LCH	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185578	06/04/14 13:10	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183756	05/23/14 18:04	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 21:09	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:23	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184692	05/29/14 08:55	RP	TAL BUF
Total/NA	Prep	7.3.3			184866	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	184893	05/30/14 09:16	LAW	TAL BUF
Total/NA	Prep	7.3.4			184867	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	184894	05/30/14 09:45	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 22:10	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 D-3 0-1

Lab Sample ID: 480-60207-12

Date Collected: 05/19/14 15:09

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 09:21	LCH	TAL BUF
TCLP	Leach	1311			184319	05/27/14 11:13	MRB	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185578	06/04/14 13:33	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		5	183756	05/23/14 18:20	JMM	TAL BUF
TCLP	Leach	1311			184319	05/27/14 11:13	MRB	TAL BUF
TCLP	Prep	3010A			184393	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 22:11	MTM2	TAL BUF
TCLP	Leach	1311			184319	05/27/14 11:13	MRB	TAL BUF
TCLP	Prep	7470A			184403	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 16:47	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184692	05/29/14 08:55	RP	TAL BUF
Total/NA	Prep	7.3.3			184866	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	184893	05/30/14 09:16	LAW	TAL BUF
Total/NA	Prep	7.3.4			184867	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	184894	05/30/14 09:45	LAW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 D-3 0-1

Lab Sample ID: 480-60207-12

Date Collected: 05/19/14 15:09

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	183952	05/23/14 22:15	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 D-3 7-8

Lab Sample ID: 480-60207-13

Date Collected: 05/19/14 14:55

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184217	05/27/14 15:41	MRB	TAL BUF
TCLP	Analysis	8260C		10	184481	05/29/14 09:45	LCH	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185578	06/04/14 13:56	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		2	183756	05/23/14 18:36	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 21:12	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:24	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184692	05/29/14 08:55	RP	TAL BUF
Total/NA	Prep	7.3.3			184866	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	184893	05/30/14 09:16	LAW	TAL BUF
Total/NA	Prep	7.3.4			184867	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	184894	05/30/14 09:45	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 22:19	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 D-3 14-15

Lab Sample ID: 480-60207-14

Date Collected: 05/19/14 14:55

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184425	05/28/14 14:27	MRB	TAL BUF
TCLP	Analysis	8260C		10	184982	05/31/14 02:31	CDC	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185578	06/04/14 14:20	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183756	05/23/14 18:52	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 D-3 14-15

Lab Sample ID: 480-60207-14

Date Collected: 05/19/14 14:55

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Analysis	6010C		1	185177	05/30/14 21:15	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:26	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184692	05/29/14 08:55	RP	TAL BUF
Total/NA	Prep	7.3.3			184866	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	184893	05/30/14 09:16	LAW	TAL BUF
Total/NA	Prep	7.3.4			184867	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	184894	05/30/14 09:45	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 22:27	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183691	05/22/14 20:39	CW	TAL BUF

Client Sample ID: P-1 C-3 0-1

Lab Sample ID: 480-60207-15

Date Collected: 05/19/14 15:05

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184425	05/28/14 14:27	MRB	TAL BUF
TCLP	Analysis	8260C		10	184982	05/31/14 02:56	CDC	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185578	06/04/14 14:43	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183756	05/23/14 19:08	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 21:18	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:28	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184692	05/29/14 08:55	RP	TAL BUF
Total/NA	Prep	7.3.3			184866	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	184893	05/30/14 09:16	LAW	TAL BUF
Total/NA	Prep	7.3.4			184867	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	184894	05/30/14 09:45	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 22:31	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183691	05/22/14 20:39	CW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 C-3 5-6

Lab Sample ID: 480-60207-16

Date Collected: 05/19/14 14:57

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184425	05/28/14 14:27	MRB	TAL BUF
TCLP	Analysis	8260C		10	184982	05/31/14 03:21	CDC	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185578	06/04/14 15:07	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183756	05/23/14 19:24	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 21:21	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:30	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184692	05/29/14 08:55	RP	TAL BUF
Total/NA	Prep	7.3.3			184866	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	184893	05/30/14 09:16	LAW	TAL BUF
Total/NA	Prep	7.3.4			184867	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	184894	05/30/14 09:45	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 22:36	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183691	05/22/14 20:39	CW	TAL BUF

Client Sample ID: P-1 C-3 11-12

Lab Sample ID: 480-60207-17

Date Collected: 05/19/14 15:03

Matrix: Solid

Date Received: 05/19/14 16:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			184425	05/28/14 14:27	MRB	TAL BUF
TCLP	Analysis	8260C		10	184982	05/31/14 03:45	CDC	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3510C			184759	05/30/14 05:46	MCZ	TAL BUF
TCLP	Analysis	8270D		1	185578	06/04/14 15:30	ANM	TAL BUF
Total/NA	Prep	3550C			183428	05/21/14 19:56	JLS	TAL BUF
Total/NA	Analysis	8082A		5	183756	05/23/14 20:11	JMM	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	3010A			184394	05/28/14 13:40	EHD	TAL BUF
TCLP	Analysis	6010C		1	185177	05/30/14 21:24	MTM2	TAL BUF
TCLP	Leach	1311			184043	05/27/14 10:37	MAF	TAL BUF
TCLP	Prep	7470A			184404	05/28/14 14:00	SS1	TAL BUF
TCLP	Analysis	7470A_ASP		1	184610	05/28/14 17:31	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184692	05/29/14 08:55	RP	TAL BUF
Total/NA	Prep	7.3.3			184866	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9012		1	184893	05/30/14 09:16	LAW	TAL BUF
Total/NA	Prep	7.3.4			184867	05/29/14 23:05	LAW	TAL BUF
Total/NA	Analysis	9034		1	184894	05/30/14 09:45	LAW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60207-1

Client Sample ID: P-1 C-3 11-12
Date Collected: 05/19/14 15:03
Date Received: 05/19/14 16:50

Lab Sample ID: 480-60207-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	183952	05/23/14 22:44	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183691	05/22/14 20:39	CW	TAL BUF

Laboratory References:
TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-14
California	State Program	9	1169CA	09-30-14
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAP	4	E87672	06-30-14
Georgia	State Program	4	N/A	03-31-15
Illinois	NELAP	5	200003	09-30-14
Iowa	State Program	7	374	03-01-15
Kansas	NELAP	7	E-10187	01-31-15
Kentucky (DW)	State Program	4	90029	12-31-14
Kentucky (UST)	State Program	4	30	03-31-15
Louisiana	NELAP	6	02031	06-30-14
Maine	State Program	1	NY00044	12-04-14
Maryland	State Program	3	294	03-31-15
Massachusetts	State Program	1	M-NY044	06-30-14
Michigan	State Program	5	9937	03-31-15
Minnesota	NELAP	5	036-999-337	12-31-14
New Hampshire	NELAP	1	2337	11-17-14
New Jersey	NELAP	2	NY455	06-30-14
New York	NELAP	2	10026	03-31-15
North Dakota	State Program	8	R-176	03-31-14 *
Oklahoma	State Program	6	9421	08-31-14
Oregon	NELAP	10	NY200003	06-09-14
Pennsylvania	NELAP	3	68-00281	07-31-14
Rhode Island	State Program	1	LAO00328	12-30-14
Tennessee	State Program	4	TN02970	03-31-15
Texas	NELAP	6	T104704412-11-2	07-31-14
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAP	3	460185	09-14-14
Washington	State Program	10	C784	02-10-15
Wisconsin	State Program	5	998310390	08-31-14

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge: Site# 915274

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A_ASP	Mercury (CVAA)	SW846	TAL BUF
1010A	Ignitability, Pensky-Martens Closed Cup Method	SW846	TAL BUF
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

Sample Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60207-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-60207-1	P-1 B-2 4-5	Solid	05/19/14 13:40	05/19/14 16:50
480-60207-2	P-1 B-3 0-1A	Solid	05/19/14 14:05	05/19/14 16:50
480-60207-3	P-1 B-3 4-5A	Solid	05/19/14 14:00	05/19/14 16:50
480-60207-4	P-1 B-3 0-1B	Solid	05/19/14 14:10	05/19/14 16:50
480-60207-5	P-1 B-3 4-5B	Solid	05/19/14 14:15	05/19/14 16:50
480-60207-6	P-1 C-2 0-1	Solid	05/19/14 14:25	05/19/14 16:50
480-60207-7	P-1 C-2 14-15	Solid	05/19/14 14:20	05/19/14 16:50
480-60207-8	P-1 C-2 7-8	Solid	05/19/14 14:22	05/19/14 16:50
480-60207-9	P-1 D-2 0-1	Solid	05/19/14 14:30	05/19/14 16:50
480-60207-10	P-1 D-2 7-8	Solid	05/19/14 14:35	05/19/14 16:50
480-60207-11	P-1 D-2 14-15	Solid	05/19/14 14:32	05/19/14 16:50
480-60207-12	P-1 D-3 0-1	Solid	05/19/14 15:09	05/19/14 16:50
480-60207-13	P-1 D-3 7-8	Solid	05/19/14 14:55	05/19/14 16:50
480-60207-14	P-1 D-3 14-15	Solid	05/19/14 14:55	05/19/14 16:50
480-60207-15	P-1 C-3 0-1	Solid	05/19/14 15:05	05/19/14 16:50
480-60207-16	P-1 C-3 5-6	Solid	05/19/14 14:57	05/19/14 16:50
480-60207-17	P-1 C-3 11-12	Solid	05/19/14 15:03	05/19/14 16:50



480-60207 Chain of Custody

CHAIN OF CUSTODY RECORD

PROJECT NO. 1117698700006 SITE NAME Tenacoda Pass
 SAMPLERS (PRINT/SIGNATURE) Tim Ilkovich / Tim McNeil Scott McNeil

DELIVERY SERVICE: Drop off AIRBILL NO.: _____

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS
P-1B-2	5/19/14	1340	C	P-1B-2 4-5	CD	2
P-1B-3	5/19/14	1405	C	P-1B-3 0-1A	CD	2
P-1B-3	5/19/14	1400	C	P-1B-3 4-5 A	CD	2
P-1B-3	5/19/14	1410	C	P-1B-3 0-1 B	CD	2
P-1B-3	5/19/14	1415	C	P-1B-3 4-5 B	CD	2
P-1C-2	5/19/14	1425	C	P-1C-2 0-1	CD	2
P-1C-2	5/19/14	1420	C	P-1C-2 14-15	CD	2
P-1C-2	5/19/14	1422	C	P-1C-2 7-8	CD	2
P-1D-2	5/19/14	1430	C	P-1D-2 0-1	CD	2
P-1D-2	5/19/14	1435	C	P-1D-2 7-8	CD	2
P-1D-2	5/19/14	1432	C	P-1D-2 14-15	CD	2
P-1D-3	5/19/14	1509	C	P-1D-3 0-1	CD	2
P-1D-3	5/19/14	1455	C	P-1D-3 7-8	CD	2

MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WW - WASTE WATER	WG - GROUND WATER	WS - SOIL	WC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER	WO - OCEAN WATER	WS - SURFACE WATER	WQ - WATER FIELD CC	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE	CD - Construction Debris
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SAMPLE TYPE CODES	T0# - TRIP BLANK	S0# - MATRIX SPIKE DUPLICATE	T0# - RINSE BLANK	FR# - FIELD REPLICATE	NR - NORMAL ENVIRONMENTAL SAMPLE	MS# - MATRIX SPIKE
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RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	5/19/14	1150	<i>[Signature]</i>	5/19/14	1150

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	5/19/14	1150	<i>[Signature]</i>	5/19/14	1150

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	5/19/14	1150	<i>[Signature]</i>	5/19/14	1150

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	5/19/14	1150	<i>[Signature]</i>	5/19/14	1150

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	5/19/14	1150	<i>[Signature]</i>	5/19/14	1150

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	5/19/14	1150	<i>[Signature]</i>	5/19/14	1150

Distribution: Original accompanies shipment, copy to coordinator field files

2022-7-18-8°C

For questions contact
 George Kislo
 716-856-5636

URSF-075C1 OF 1/04CRVGM

CHAIN OF CUSTODY RECORD

PROJECT NO. 11176989-00006
SAMPLERS (PRINT/SIGNATURE) *Tim J. Blawie*

SITE NAME *Tronwanda Forge*
SAMPLERS (PRINT/SIGNATURE) *Scott McCabe*

DELIVERY SERVICE: *Drop off* AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS
P-10-3	5/19/14	1455	C	P-10-3 14-5	CD	2
P-10-3	5/19/14	1505	C	P-10-3 0-1	CD	2
P-10-3	5/19/14	1457	C	P-10-3 5-6	CD	2
P-10-3	5/19/14	1503	C	P-10-3 11-12	CD	2

AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WL - LEACHATE	WO - OCEAN WATER	LI - HAZARDOUS LIQUID WASTE
SE - SEDIMENT	WP - DRINKING WATER	SO - SOIL	GS - SOIL GAS	WS - SURFACE WATER	LF - FLOATING/FREE PRODUCT ON GW TABLE
SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	DC - DRILL CUTTINGS	WC - DRILLING WATER	WQ - WATER FIELD CC	CD - Construction Debris
TS# - TRIP BLANK	RB# - RINSE BLANK	N# - NORMAL ENVIRONMENTAL SAMPLE			
SD# - MATRIX SPIKE DUPLICATE	FR# - FIELD REPLICATE	MS# - MATRIX SPIKE			

RECEIVED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	5/19/14	1650	<i>[Signature]</i>	5/19/14	1650
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
<i>[Signature]</i>					

Distribution: Original accompanies shipment, copy to coordinator field files 2022-7/19.8°C

URS-075041 OF 106/CR/GCM

URS

LAB *Test America*
COOLER 1 of 2
PAGE 4 of 4

BOTTLE TYPE AND PRESERVATIVE

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPPMS ONLY)
		14	15	
		0	1	
		5	6	
		11	12	

SPECIAL INSTRUCTIONS
For questions contact
George Kislik @
716-850-8300

#1 NO COE

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6/5/2014

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-60207-1

Login Number: 60207

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stau, Brandon M

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.	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.	True	
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	urs
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-60206-1

Client Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

For:

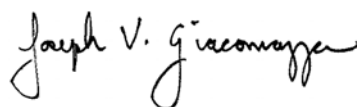
New York State D.E.C.

625 Broadway

11th Floor

Albany, New York 12233-3256

Attn: Mr. Dave Chiusano



Authorized for release by:

6/5/2014 1:25:55 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management

(716)504-9835

brian.fischer@testamericainc.com

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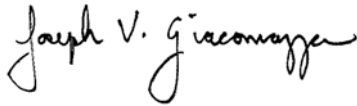
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.



Joe Giacomazza
Project Management Assistant II
6/5/2014 1:25:55 PM

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Definitions/Glossary

Client: New York State D.E.C.

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60206-1

Qualifiers

GC/MS 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/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.
X	Surrogate is outside control limits

GC Semi VOA

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

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.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

General Chemistry

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.

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)

Case Narrative

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60206-1

Job ID: 480-60206-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-60206-1

Receipt

The samples were received on 5/19/2014 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 18.8° C and 22.7° C.

GC/MS VOA

Method(s) 8260C: The following sample(s) was diluted due to the nature of the TCLP matrix: (480-60206-1 MS), (480-60206-1 MSD), (LB 480-183843/1-A), P-1 A-1 0-1 (480-60206-9), P-1 A-1 4-5 (480-60206-10), P-1 B-1 0-1 (480-60206-7), P-1 B-1 4-5 (480-60206-8), P-1 C-1 0-1 (480-60206-4), P-1 C-1 14-15 (480-60206-6), P-1 C-1 5-6 (480-60206-5), P-1 D-1 0-1 (480-60206-1), P-1 D-1 14-15 (480-60206-3), P-1 D-1 7-8 (480-60206-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted due to the nature of the TCLP matrix: (LB 480-184044/1-A), P-1 A-2 0-1 (480-60206-11), P-1 A-2 4-5 (480-60206-12), P-1 B-2 0-1 (480-60206-13). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows two of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (LB2 480-184042/1-D). These results have been reported and qualified.

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

GC Semi VOA

Method(s) 8082A: The following samples were diluted due to the nature of the sample matrix: P-1 D-1 7-8 (480-60206-2). Elevated reporting limits (RLs) are provided.

Method(s) 8082, 8082A: The surrogate percent difference in the associated continuing calibration verifications (CCV) for Tetrachloro-m-xylene and Decachlorobiphenyl was decreased and slightly exceeded 20%, indicating a low bias. (CCV 480-184028/64)

Method(s) 8082, 8082A: The surrogate percent difference in the associated continuing calibration verifications (CCV) for Decachlorobiphenyl was decreased and slightly exceeded 20%, indicating a low bias. (CCV 480-184028/52), (CCV 480-184028/76)

Method(s) 8082A: Surrogate recovery for the following samples were outside control limits: (480-60206-1 MS), (480-60206-1 MSD), P-1 B-2 0-1 (480-60206-13), P-1 C-1 14-15 (480-60206-6), P-1 D-1 7-8 (480-60206-2). Evidence of matrix interference is present; therefore, re-extraction and re-analysis was not performed.

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

Metals

Method(s) 6010C: The continuing calibration blank (CCB) for analytical batch 480-184583 contained barium above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples (480-60206-11 MS), (480-60206-11 MSD), (480-60206-11 PDS), (480-60206-11 SD), (LCS 480-184164/3-A), (MB 480-184164/2-A), P-1 A-2 0-1 (480-60206-11), P-1 B-1 0-1 (480-60206-7), P-1 B-1 4-5 (480-60206-8), P-1 C-1 5-6 (480-60206-5) was not performed.

Method(s) 6010C: The TCLP extraction blank (LB) for batch 480-184164 contained barium above the reporting limit (RL). Associated sample(s) P-1 A-2 0-1 (480-60206-11), P-1 B-1 0-1 (480-60206-7), P-1 B-1 4-5 (480-60206-8), P-1 B-2 0-1 (480-60206-13), P-1 C-1 5-6 (480-60206-5) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method(s) 6010C: The recovery of Post Spike, (480-60206-9 PDS), associated with batch 480-184162, exhibited results outside quality control limits for silver. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Case Narrative

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60206-1

Job ID: 480-60206-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 6010C: The continuing calibration blank (CCB) for analytical batch 480-184582 contained barium above the reporting limit (RL). All reported samples associated with this CCB contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples P-1 A-1 4-5 (480-60206-10), P-1 A-2 4-5 (480-60206-12) was not performed.

Method(s) 6010C: The TCLP extraction blank for batch 480-184162 contained chromium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010C: The analyte barium was detected in the TCLP Extraction Blank (LB 480-183889/1-B) at a concentration above the TestAmerica Laboratories standard quantitation limit. Samples P-1 A-1 0-1 (480-60206-9), P-1 A-1 4-5 (480-60206-10), P-1 A-2 4-5 (480-60206-12), P-1 C-1 0-1 (480-60206-4), P-1 C-1 14-15 (480-60206-6), P-1 D-1 0-1 (480-60206-1), P-1 D-1 14-15 (480-60206-3), P-1 D-1 7-8 (480-60206-2) associated with the blank were evaluated and determined to be at least five times less than the TCLP Regulatory Limit. The sample data was therefore accepted and no corrective action was performed.

Method(s) 6010C: The recovery of post spike, (480-60206-11 PDS), associated with batch 480-184164, exhibited results outside quality control limits for silver. However, the serial dilution of this sample was compliant. Therefore, no corrective action was necessary.

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

General Chemistry

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 184509.

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

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60206-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 D-1 B-1

2a4 Sample ID: 5LB-bB8Bb-1

7 nalyte	0 eRult	MualiAer	0 2	6 D2	s nit	Dil Qac	D	6 etf oU	Prep Fype
PCB-1248	2.1		0.22	0.044	mg/Kg	1	✱	8082A	Total/NA
PCB-1260	0.77		0.22	0.10	mg/Kg	1	✱	8082A	Total/NA
Arsenic	0.0058	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.16	B	0.0020	0.00070	mg/L	1		6010C	TCLP
Chromium	0.021	B	0.0040	0.0010	mg/L	1		6010C	TCLP
Selenium	0.013	J	0.025	0.0087	mg/L	1		6010C	TCLP
7 nalyte	0 eRult	MualiAer	0 2	0 2	s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	10.5		0.100	0.100	SU	1		9045D	Total/NA

Client Sample ID: P-1 D-1 h-L

2a4 Sample ID: 5LB-bB8Bb-8

7 nalyte	0 eRult	MualiAer	0 2	6 D2	s nit	Dil Qac	D	6 etf oU	Prep Fype
PCB-1254	14		1.2	0.57	mg/Kg	5	✱	8082A	Total/NA
Barium	0.25	B	0.0020	0.00070	mg/L	1		6010C	TCLP
Cadmium	0.0075		0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.0087	B	0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.014		0.010	0.0030	mg/L	1		6010C	TCLP
Selenium	0.016	J	0.025	0.0087	mg/L	1		6010C	TCLP
7 nalyte	0 eRult	MualiAer	0 2	0 2	s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.51		0.100	0.100	SU	1		9045D	Total/NA

Client Sample ID: P-1 D-1 15-1d

2a4 Sample ID: 5LB-bB8Bb-T

7 nalyte	0 eRult	MualiAer	0 2	6 D2	s nit	Dil Qac	D	6 etf oU	Prep Fype
PCB-1248	2.7		0.25	0.049	mg/Kg	1	✱	8082A	Total/NA
PCB-1254	2.5		0.25	0.12	mg/Kg	1	✱	8082A	Total/NA
PCB-1260	1.4		0.25	0.12	mg/Kg	1	✱	8082A	Total/NA
Arsenic	0.0064	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.32	B	0.0020	0.00070	mg/L	1		6010C	TCLP
Cadmium	0.0014	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.0014	J B	0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.0053	J	0.010	0.0030	mg/L	1		6010C	TCLP
Selenium	0.012	J	0.025	0.0087	mg/L	1		6010C	TCLP
7 nalyte	0 eRult	MualiAer	0 2	0 2	s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.93		0.100	0.100	SU	1		9045D	Total/NA

Client Sample ID: P-1 C-1 B-1

2a4 Sample ID: 5LB-bB8Bb-5

7 nalyte	0 eRult	MualiAer	0 2	6 D2	s nit	Dil Qac	D	6 etf oU	Prep Fype
PCB-1248	0.52		0.21	0.041	mg/Kg	1	✱	8082A	Total/NA
Barium	0.14	B	0.0020	0.00070	mg/L	1		6010C	TCLP
Chromium	0.031	B	0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.0036	J	0.010	0.0030	mg/L	1		6010C	TCLP
Selenium	0.013	J	0.025	0.0087	mg/L	1		6010C	TCLP
Sulfide, Reactive	4.0	J	10.0	0.57	mg/Kg	1		9034	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60206-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 C-1 B-1 3ContinueU

2a4 Sample ID: 5LB-bB8Bb-5

7 nalyte	0 eRult	MualiAer	0 2	0 2	s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	11.3		0.100	0.100	SU	1		9045D	Total/NA

Client Sample ID: P-1 C-1 d-b

2a4 Sample ID: 5LB-bB8Bb-5

7 nalyte	0 eRult	MualiAer	0 2	6 D2	s nit	Dil Qac	D	6 etf oU	Prep Fype
3-Methylphenol	0.0014	J	0.010	0.00040	mg/L	1		8270D	TCLP
4-Methylphenol	0.0014	J	0.010	0.00036	mg/L	1		8270D	TCLP
PCB-1248	1.4		0.23	0.044	mg/Kg	1	✱	8082A	Total/NA
PCB-1254	1.5		0.23	0.11	mg/Kg	1	✱	8082A	Total/NA
PCB-1260	1.4		0.23	0.11	mg/Kg	1	✱	8082A	Total/NA
Arsenic	0.0084	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.54	^ B	0.0020	0.00070	mg/L	1		6010C	TCLP
Cadmium	0.0041		0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.0068		0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.016		0.010	0.0030	mg/L	1		6010C	TCLP
Selenium	0.020	J	0.025	0.0087	mg/L	1		6010C	TCLP
7 nalyte	0 eRult	MualiAer	0 2	0 2	s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.69		0.100	0.100	SU	1		9045D	Total/NA

Client Sample ID: P-1 C-1 15-1d

2a4 Sample ID: 5LB-bB8Bb-5

7 nalyte	0 eRult	MualiAer	0 2	6 D2	s nit	Dil Qac	D	6 etf oU	Prep Fype
PCB-1248	1.7		0.26	0.051	mg/Kg	1	✱	8082A	Total/NA
PCB-1254	1.5		0.26	0.12	mg/Kg	1	✱	8082A	Total/NA
PCB-1260	0.92		0.26	0.12	mg/Kg	1	✱	8082A	Total/NA
Arsenic	0.0064	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.25	B	0.0020	0.00070	mg/L	1		6010C	TCLP
Cadmium	0.0023		0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.0041	B	0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.0069	J	0.010	0.0030	mg/L	1		6010C	TCLP
Selenium	0.012	J	0.025	0.0087	mg/L	1		6010C	TCLP
7 nalyte	0 eRult	MualiAer	0 2	0 2	s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.68		0.100	0.100	SU	1		9045D	Total/NA

Client Sample ID: P-1) -1 B-1

2a4 Sample ID: 5LB-bB8Bb-5

7 nalyte	0 eRult	MualiAer	0 2	6 D2	s nit	Dil Qac	D	6 etf oU	Prep Fype
PCB-1248	1.5		0.26	0.051	mg/Kg	1	✱	8082A	Total/NA
PCB-1254	1.5		0.26	0.12	mg/Kg	1	✱	8082A	Total/NA
PCB-1260	0.94		0.26	0.12	mg/Kg	1	✱	8082A	Total/NA
Arsenic	0.0089	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.42	^ B	0.0020	0.00070	mg/L	1		6010C	TCLP
Cadmium	0.0020		0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.0081		0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.018		0.010	0.0030	mg/L	1		6010C	TCLP
Selenium	0.015	J	0.025	0.0087	mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60206-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1) -1 B-1 3ContinueU

2a4 Sample ID: 5LB-bB8Bb-h

7 nalyte	0 eRult	MualiAer	0 2	0 2 s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0 Degrees F	1		1010A	Total/NA
pH	8.71		0.100	0.100 SU	1		9045D	Total/NA

Client Sample ID: P-1) -1 5-d

2a4 Sample ID: 5LB-bB8Bb-L

7 nalyte	0 eRult	MualiAer	0 2	6 D2 s nit	Dil Qac	D	6 etf oU	Prep Fype
PCB-1248	2.0		0.21	0.040 mg/Kg	1	✱	8082A	Total/NA
PCB-1254	2.4		0.21	0.097 mg/Kg	1	✱	8082A	Total/NA
PCB-1260	2.1		0.21	0.097 mg/Kg	1	✱	8082A	Total/NA
Arsenic	0.0078	J	0.015	0.0056 mg/L	1		6010C	TCLP
Barium	0.69	^ B	0.0020	0.00070 mg/L	1		6010C	TCLP
Cadmium	0.025		0.0020	0.00050 mg/L	1		6010C	TCLP
Chromium	0.0096		0.0040	0.0010 mg/L	1		6010C	TCLP
Lead	0.063		0.010	0.0030 mg/L	1		6010C	TCLP
Selenium	0.024	J	0.025	0.0087 mg/L	1		6010C	TCLP
7 nalyte	0 eRult	MualiAer	0 2	0 2 s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0 Degrees F	1		1010A	Total/NA
pH	8.61		0.100	0.100 SU	1		9045D	Total/NA

Client Sample ID: P-1 7-1 B-1

2a4 Sample ID: 5LB-bB8Bb-9

7 nalyte	0 eRult	MualiAer	0 2	6 D2 s nit	Dil Qac	D	6 etf oU	Prep Fype
Barium	0.17	B	0.0020	0.00070 mg/L	1		6010C	TCLP
Chromium	0.0056	B	0.0040	0.0010 mg/L	1		6010C	TCLP
Lead	0.0030	J	0.010	0.0030 mg/L	1		6010C	TCLP
Selenium	0.013	J	0.025	0.0087 mg/L	1		6010C	TCLP
7 nalyte	0 eRult	MualiAer	0 2	0 2 s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0 Degrees F	1		1010A	Total/NA
pH	11.1		0.100	0.100 SU	1		9045D	Total/NA

Client Sample ID: P-1 7-1 5-d

2a4 Sample ID: 5LB-bB8Bb-1B

7 nalyte	0 eRult	MualiAer	0 2	6 D2 s nit	Dil Qac	D	6 etf oU	Prep Fype
PCB-1248	1.5		0.22	0.043 mg/Kg	1	✱	8082A	Total/NA
PCB-1254	2.2		0.22	0.10 mg/Kg	1	✱	8082A	Total/NA
PCB-1260	0.63		0.22	0.10 mg/Kg	1	✱	8082A	Total/NA
Arsenic	0.0061	J	0.015	0.0056 mg/L	1		6010C	TCLP
Barium	0.29	B ^	0.0020	0.00070 mg/L	1		6010C	TCLP
Cadmium	0.0022		0.0020	0.00050 mg/L	1		6010C	TCLP
Chromium	0.0071	B	0.0040	0.0010 mg/L	1		6010C	TCLP
Lead	0.0091	J	0.010	0.0030 mg/L	1		6010C	TCLP
Selenium	0.011	J	0.025	0.0087 mg/L	1		6010C	TCLP
Silver	0.0071		0.0060	0.0017 mg/L	1		6010C	TCLP
7 nalyte	0 eRult	MualiAer	0 2	0 2 s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0 Degrees F	1		1010A	Total/NA
pH	8.51		0.100	0.100 SU	1		9045D	Total/NA

Client Sample ID: P-1 7-8 B-1

2a4 Sample ID: 5LB-bB8Bb-11

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60206-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 7 -8 B-1 3ContinueU

2a4 Sample ID: 5LB-bB8Bb-11

7 nalyte	0 eRult	MualiaAer	0 2	6 D2	s nit	Dil Qac	D	6 etf oU	Prep Fype
3-Methylphenol	0.011		0.010	0.00040	mg/L	1		8270D	TCLP
2-Methylphenol	0.0036	J	0.0050	0.00040	mg/L	1		8270D	TCLP
4-Methylphenol	0.011		0.010	0.00036	mg/L	1		8270D	TCLP
PCB-1254	0.11	J	0.24	0.11	mg/Kg	1	✱	8082A	Total/NA
Barium	0.31		0.0020	0.00070	mg/L	1		6010C	TCLP
Cadmium	0.0013	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.010		0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.0068	J	0.010	0.0030	mg/L	1		6010C	TCLP
Selenium	0.021	J	0.025	0.0087	mg/L	1		6010C	TCLP
7 nalyte	0 eRult	MualiaAer	0 2	0 2	s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	11.3		0.100	0.100	SU	1		9045D	Total/NA

Client Sample ID: P-1 7 -8 5-d

2a4 Sample ID: 5LB-bB8Bb-18

7 nalyte	0 eRult	MualiaAer	0 2	6 D2	s nit	Dil Qac	D	6 etf oU	Prep Fype
1,1-Dichloroethene	0.0029	J	0.010	0.0029	mg/L	10		8260C	TCLP
PCB-1254	0.16	J	0.22	0.10	mg/Kg	1	✱	8082A	Total/NA
Arsenic	0.0071	J	0.015	0.0056	mg/L	1		6010C	TCLP
Barium	0.19	B ^	0.0020	0.00070	mg/L	1		6010C	TCLP
Chromium	0.0028	J B	0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.0035	J	0.010	0.0030	mg/L	1		6010C	TCLP
Selenium	0.014	J	0.025	0.0087	mg/L	1		6010C	TCLP
7 nalyte	0 eRult	MualiaAer	0 2	0 2	s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.53		0.100	0.100	SU	1		9045D	Total/NA

Client Sample ID: P-1) -8 B-1

2a4 Sample ID: 5LB-bB8Bb-1T

7 nalyte	0 eRult	MualiaAer	0 2	6 D2	s nit	Dil Qac	D	6 etf oU	Prep Fype
PCB-1248	2.4		0.26	0.050	mg/Kg	1	✱	8082A	Total/NA
PCB-1254	3.0		0.26	0.12	mg/Kg	1	✱	8082A	Total/NA
PCB-1260	2.9		0.26	0.12	mg/Kg	1	✱	8082A	Total/NA
Barium	0.65	B	0.0020	0.00070	mg/L	1		6010C	TCLP
Cadmium	0.024		0.0020	0.00050	mg/L	1		6010C	TCLP
Chromium	0.0087		0.0040	0.0010	mg/L	1		6010C	TCLP
Lead	0.051		0.010	0.0030	mg/L	1		6010C	TCLP
Selenium	0.023	J	0.025	0.0087	mg/L	1		6010C	TCLP
7 nalyte	0 eRult	MualiaAer	0 2	0 2	s nit	Dil Qac	D	6 etf oU	Prep Fype
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.72		0.100	0.100	SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

1001: nEn worYk tate DS S

TestAmerica Job ID: 480-60206-7

ErEctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

Client Sample ID: P-1 D-1 0-1

Lab Sample ID: 480-60206-1

Date Collected: 05/19/14 11:15

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,7-Dichloroethel e	nD		0\$70	0\$02#	mFjL			09j24j74 22:05	70
7,2-Dichloroethel e	nD		0\$70	0\$027	mFjL			09j24j74 22:05	70
2-Butal ol e (M. K)	nD		0\$90	0\$73	mFjL			09j24j74 22:05	70
Bel zel e	nD		0\$70	0\$047	mFjL			09j24j74 22:05	70
1 arbol tetrachlori/ e	nD		0\$70	0\$025	mFjL			09j24j74 22:05	70
1 hchlorbel zel e	nD		0\$70	0\$059	mFjL			09j24j74 22:05	70
1 hchloroform	nD		0\$70	0\$034	mFjL			09j24j74 22:05	70
Tetrachloroethel e	nD		0\$70	0\$036	mFjL			09j24j74 22:05	70
Trichloroethel e	nD		0\$70	0\$046	mFjL			09j24j74 22:05	70
Vil ychlori/ e	nD		0\$70	0\$0#0	mFjL			09j24j74 22:05	70

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		66 - 130		75/24/14 22\$70	17
4-: roB orthuorof enbene (Surr)	z6		03 - 127		75/24/14 22\$70	17
Toluene-dz (Surr)	177		01 - 126		75/24/14 22\$70	17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-Dichlorobel zel e	nD		0\$70	0\$0046	mFjL		09j2#j74 09:93	09j30j74 76:05	7
2,4-Dil itrotoel e	nD		0\$090	0\$0049	mFjL		09j2#j74 09:93	09j30j74 76:05	7
Hexachlorobel zel e	nD		0\$090	0\$0097	mFjL		09j2#j74 09:93	09j30j74 76:05	7
Hexachlorobuta/ iel e	nD		0\$090	0\$0068	mFjL		09j2#j74 09:93	09j30j74 76:05	7
Hexachloroethal e	nD		0\$090	0\$009#	mFjL		09j2#j74 09:93	09j30j74 76:05	7
3-Methyphel oC	nD		0\$70	0\$0040	mFjL		09j2#j74 09:93	09j30j74 76:05	7
2-Methyphel oC	nD		0\$090	0\$0040	mFjL		09j2#j74 09:93	09j30j74 76:05	7
4-Methyphel oC	nD		0\$70	0\$0036	mFjL		09j2#j74 09:93	09j30j74 76:05	7
nitrobel zel e	nD		0\$090	0\$002#	mFjL		09j2#j74 09:93	09j30j74 76:05	7
Eel tachchlorphel oC	nD		0\$70	0\$022	mFjL		09j2#j74 09:93	09j30j74 76:05	7
Eyri/ il e	nD		0\$29	0\$0047	mFjL		09j2#j74 09:93	09j30j74 76:05	7
2,4,9-Trichlorophel oC	nD		0\$090	0\$0048	mFjL		09j2#j74 09:93	09j30j74 76:05	7
2,4,6-Trichlorophel oC	nD		0\$090	0\$0067	mFjL		09j2#j74 09:93	09j30j74 76:05	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Trif roBo8henol	112		52 - 132	75/2p/14 75\$53	75/37/14 16\$70	1
2-Fluorof i8henyl	z4		4z - 127	75/2p/14 75\$53	75/37/14 16\$70	1
2-Fluoro8henol	4p		27 - 127	75/2p/14 75\$53	75/37/14 16\$70	1
Nitrof enbene-d5	z4		46 - 127	75/2p/14 75\$53	75/37/14 16\$70	1
8-Ter8henyl-d14	zz		60 - 157	75/2p/14 75\$53	75/37/14 16\$70	1
Phenol-d5	34		16 - 127	75/2p/14 75\$53	75/37/14 16\$70	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	nD		0\$22	0\$44	mFjKF	✱	09j23j74 08:00	09j25j74 05:90	7
E1 B-7227	nD		0\$22	0\$44	mFjKF	✱	09j23j74 08:00	09j25j74 05:90	7
E1 B-7232	nD		0\$22	0\$44	mFjKF	✱	09j23j74 08:00	09j25j74 05:90	7
E1 B-7242	nD		0\$22	0\$44	mFjKF	✱	09j23j74 08:00	09j25j74 05:90	7
PCB-1248	2.1		0\$22	0\$44	mFjKF	✱	09j23j74 08:00	09j25j74 05:90	7
E1 B-7294	nD		0\$22	0\$70	mFjKF	✱	09j23j74 08:00	09j25j74 05:90	7
PCB-1260	0.77		0\$22	0\$70	mFjKF	✱	09j23j74 08:00	09j25j74 05:90	7
E1 B-7262	nD		0\$22	0\$70	mFjKF	✱	09j23j74 08:00	09j25j74 05:90	7

TestAmerica Buffa

Client Sample Results

100 t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Client Sample ID: P-1 D-1 0-1

Lab Sample ID: 480-60206-1

Date Collected: 05/19/14 11:15

Matrix: Solid

Date Received: 05/19/14 16:50

Percent Solids: 96.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7268	n D		0\$2	0\$0	mFjKF	☆	09j23j74 08:00	09j25j74 05:90	7
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-B-xylene	14z		46 - 105				75/23/14 7z97	75/20/14 70957	1
DC: Decachlorof i8henyl	233	X	40 - 106				75/23/14 7z97	75/20/14 70957	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0058	J	0\$79	0\$096	mFjL		09j25j74 73:79	09j28j74 77:96	7
Barium	0.16	B	0\$020	0\$0050	mFjL		09j25j74 73:79	09j28j74 77:96	7
1 a/ mium	n D		0\$020	0\$0090	mFjL		09j25j74 73:79	09j28j74 77:96	7
Chromium	0.021	B	0\$040	0\$070	mFjL		09j25j74 73:79	09j28j74 77:96	7
Lea/	n D		0\$70	0\$030	mFjL		09j25j74 73:79	09j28j74 77:96	7
Selenium	0.013	J	0\$29	0\$085	mFjL		09j25j74 73:79	09j28j74 77:96	7
kiQer	n D		0\$060	0\$075	mFjL		09j25j74 73:79	09j28j74 77:96	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	n D		0\$0020	0\$0072	mFjL		09j25j74 77:00	09j28j74 73:47	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 yal i/ e, Reactive	n D		70\$	0\$030	mFjKF		09j25j74 23:20	09j28j74 70:32	7
k uQ/ e, Reactive	n D		70\$	0\$5	mFjKF		09j25j74 23:20	09j30j74 00:20	7
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		90\$	90\$	DeFrees d			09j23j74 0#:36	7
pH	10.5		0\$700	0\$700	k U			09j23j74 27:03	7

Client Sample ID: P-1 D-1 7-8

Lab Sample ID: 480-60206-2

Date Collected: 05/19/14 11:20

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,7-DichQroethel e	n D		0\$70	0\$02#	mFjL			09j24j74 27:43	70
7,2-DichQroethal e	n D		0\$70	0\$027	mFjL			09j24j74 27:43	70
2-Butal ol e (M. K)	n D		0\$90	0\$73	mFjL			09j24j74 27:43	70
Bel zel e	n D		0\$70	0\$047	mFjL			09j24j74 27:43	70
1 arbol tetrachQri/ e	n D		0\$70	0\$025	mFjL			09j24j74 27:43	70
1 hQrobel zel e	n D		0\$70	0\$059	mFjL			09j24j74 27:43	70
1 hQroform	n D		0\$70	0\$034	mFjL			09j24j74 27:43	70
TetrachQroethel e	n D		0\$70	0\$036	mFjL			09j24j74 27:43	70
TrichQroethel e	n D		0\$70	0\$046	mFjL			09j24j74 27:43	70
Vil yQchQri/ e	n D		0\$70	0\$0#0	mFjL			09j24j74 27:43	70
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	124		66 - 130					75/24/14 21943	17
4-: roB orfluorof enbene (Surr)	zz		03 - 127					75/24/14 21943	17
Toluene-dz (Surr)	177		01 - 126					75/24/14 21943	17

TestAmerica BuffaQ

Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroEtjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

Client Sample ID: P-1 D-1 7-8

Lab Sample ID: 480-60206-2

Date Collected: 05/19/14 11:20

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-Dich@robel zel e	nD		0\$70	0\$0046	mFjL		09j2#j74 09:93	09j30j74 76:37	7
2,4-Dil itroto@el e	nD		0\$090	0\$0049	mFjL		09j2#j74 09:93	09j30j74 76:37	7
Hexach@robel zel e	nD		0\$090	0\$0097	mFjL		09j2#j74 09:93	09j30j74 76:37	7
Hexach@robuta/ iel e	nD		0\$090	0\$0068	mFjL		09j2#j74 09:93	09j30j74 76:37	7
Hexach@roethal e	nD		0\$090	0\$009#	mFjL		09j2#j74 09:93	09j30j74 76:37	7
3-Methy@hel oC	nD		0\$70	0\$0040	mFjL		09j2#j74 09:93	09j30j74 76:37	7
2-Methy@hel oC	nD		0\$090	0\$0040	mFjL		09j2#j74 09:93	09j30j74 76:37	7
4-Methy@hel oC	nD		0\$70	0\$0036	mFjL		09j2#j74 09:93	09j30j74 76:37	7
n itrobel zel e	nD		0\$090	0\$002#	mFjL		09j2#j74 09:93	09j30j74 76:37	7
Eel tach@rophel oC	nD		0\$70	0\$022	mFjL		09j2#j74 09:93	09j30j74 76:37	7
Eyri/ il e	nD		0\$29	0\$0047	mFjL		09j2#j74 09:93	09j30j74 76:37	7
2,4,9-Trich@rophel oC	nD		0\$090	0\$0048	mFjL		09j2#j74 09:93	09j30j74 76:37	7
2,4,6-Trich@rophel oC	nD		0\$090	0\$0067	mFjL		09j2#j74 09:93	09j30j74 76:37	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Trif roBo8henol	170		52 - 132	75/2p/14 75\$3	75/37/14 16\$1	1
2-Fluorof i8henyl	0z		4z - 127	75/2p/14 75\$3	75/37/14 16\$1	1
2-Fluoro8henol	46		27 - 127	75/2p/14 75\$3	75/37/14 16\$1	1
Nitrof enbene-d5	06		46 - 127	75/2p/14 75\$3	75/37/14 16\$1	1
8-Ter8henyl-d14	z1		60 - 157	75/2p/14 75\$3	75/37/14 16\$1	1
Phenol-d5	32		16 - 127	75/2p/14 75\$3	75/37/14 16\$1	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	nD		7\$	0\$24	mFjKF	*	09j23j74 08:00	09j25j74 08:20	9
E1 B-7227	nD		7\$	0\$24	mFjKF	*	09j23j74 08:00	09j25j74 08:20	9
E1 B-7232	nD		7\$	0\$24	mFjKF	*	09j23j74 08:00	09j25j74 08:20	9
E1 B-7242	nD		7\$	0\$24	mFjKF	*	09j23j74 08:00	09j25j74 08:20	9
E1 B-7248	nD		7\$	0\$24	mFjKF	*	09j23j74 08:00	09j25j74 08:20	9
PCB-1254	14		7\$	0\$35	mFjKF	*	09j23j74 08:00	09j25j74 08:20	9
E1 B-7260	nD		7\$	0\$35	mFjKF	*	09j23j74 08:00	09j25j74 08:20	9
E1 B-7262	nD		7\$	0\$35	mFjKF	*	09j23j74 08:00	09j25j74 08:20	9
E1 B-7268	nD		7\$	0\$35	mFjKF	*	09j23j74 08:00	09j25j74 08:20	9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-B-xylene	15z		46 - 105	75/23/14 7z\$7	75/20/14 7z\$7	5
DC: Decachlorof i8henyl	247	X	40 - 106	75/23/14 7z\$7	75/20/14 7z\$7	5

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsel ic	nD		0\$79	0\$096	mFjL		09j25j74 73:79	09j28j74 77:9#	7
Barium	0.25	B	0\$020	0\$0050	mFjL		09j25j74 73:79	09j28j74 77:9#	7
Cadmium	0.0075		0\$020	0\$0090	mFjL		09j25j74 73:79	09j28j74 77:9#	7
Chromium	0.0087	B	0\$040	0\$070	mFjL		09j25j74 73:79	09j28j74 77:9#	7
Lead	0.014		0\$70	0\$030	mFjL		09j25j74 73:79	09j28j74 77:9#	7
Selenium	0.016	J	0\$29	0\$085	mFjL		09j25j74 73:79	09j28j74 77:9#	7
ki@er	nD		0\$060	0\$075	mFjL		09j25j74 73:79	09j28j74 77:9#	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	nD		0\$0020	0\$0072	mFjL		09j25j74 77:00	09j28j74 73:43	7

TestAmerica Buffa@

Client Sample Results

1001: nEn work tate DS S

TestAmerica Job ID: 480-60206-7

Report Date: 05/19/14 11:20 / a dorFe: k iteg #79254

Client Sample ID: P-1 D-1 7-8

Lab Sample ID: 480-60206-2

Date Collected: 05/19/14 11:20

Matrix: Solid

Date Received: 05/19/14 16:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 yal i/ e, Reactive	nD		70\$	0\$030	mFJLF		09j25j74 23:20	09j28j74 70:32	7
ku@/ e, Reactive	nD		70\$	0\$5	mFJLF		09j25j74 23:20	09j30j74 00:20	7
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		90\$	90\$	DeFrees d			09j23j74 0#:36	7
pH	8.51		0\$00	0\$00	k U			09j23j74 27:77	7

Client Sample ID: P-1 D-1 14-15

Lab Sample ID: 480-60206-3

Date Collected: 05/19/14 11:26

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,7-Dich@roethel e	nD		0\$70	0\$02#	mFJL			09j24j74 27:20	70
7,2-Dich@roethel e	nD		0\$70	0\$027	mFJL			09j24j74 27:20	70
2-Butal ol e (M. K)	nD		0\$90	0\$73	mFJL			09j24j74 27:20	70
Bel zel e	nD		0\$70	0\$047	mFJL			09j24j74 27:20	70
1 arbol tetrach@ri/ e	nD		0\$70	0\$025	mFJL			09j24j74 27:20	70
1 h@robel zel e	nD		0\$70	0\$059	mFJL			09j24j74 27:20	70
1 h@roform	nD		0\$70	0\$034	mFJL			09j24j74 27:20	70
Tetrach@roethel e	nD		0\$70	0\$036	mFJL			09j24j74 27:20	70
Trich@roethel e	nD		0\$70	0\$046	mFJL			09j24j74 27:20	70
Vil y@ch@ri/ e	nD		0\$70	0\$0#0	mFJL			09j24j74 27:20	70

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	12z		66 - 130		75/24/14 21@7	17
4-: roB oruorof enbene (Surr)	p7		03 - 127		75/24/14 21@7	17
Toluene-dz (Surr)	171		01 - 126		75/24/14 21@7	17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-Dich@robel zel e	nD		0\$70	0\$0046	mFJL		09j2#j74 09:93	09j30j74 76:99	7
2,4-Dil itroto@el e	nD		0\$090	0\$0049	mFJL		09j2#j74 09:93	09j30j74 76:99	7
Hexach@robel zel e	nD		0\$090	0\$0097	mFJL		09j2#j74 09:93	09j30j74 76:99	7
Hexach@robuta/ iel e	nD		0\$090	0\$0068	mFJL		09j2#j74 09:93	09j30j74 76:99	7
Hexach@roethal e	nD		0\$090	0\$009#	mFJL		09j2#j74 09:93	09j30j74 76:99	7
3-Methy@hel oC	nD		0\$70	0\$0040	mFJL		09j2#j74 09:93	09j30j74 76:99	7
2-Methy@hel oC	nD		0\$090	0\$0040	mFJL		09j2#j74 09:93	09j30j74 76:99	7
4-Methy@hel oC	nD		0\$70	0\$0036	mFJL		09j2#j74 09:93	09j30j74 76:99	7
n itrobel zel e	nD		0\$090	0\$002#	mFJL		09j2#j74 09:93	09j30j74 76:99	7
Eel tach@rophel oC	nD		0\$70	0\$022	mFJL		09j2#j74 09:93	09j30j74 76:99	7
Eyri/ il e	nD		0\$29	0\$0047	mFJL		09j2#j74 09:93	09j30j74 76:99	7
2,4,9-Trich@rophel oC	nD		0\$090	0\$0048	mFJL		09j2#j74 09:93	09j30j74 76:99	7
2,4,6-Trich@rophel oC	nD		0\$090	0\$0067	mFJL		09j2#j74 09:93	09j30j74 76:99	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Trif roB o@henol	176		52 - 132	75/2p/14 75@3	75/37/14 16@5	1
2-Fluorof i@henyl	0z		4z - 127	75/2p/14 75@3	75/37/14 16@5	1
2-Fluoro@henol	45		27 - 127	75/2p/14 75@3	75/37/14 16@5	1
Nitrof enbene-d5	00		46 - 127	75/2p/14 75@3	75/37/14 16@5	1
8-Ter@henyl-d14	z4		60 - 157	75/2p/14 75@3	75/37/14 16@5	1

TestAmerica Buffa@

Client Sample Results

1001: n eN worYk tate DS S

TestAmerica Job ID: 480-60206-7

EroEtjk ite: n wk D. 1-Tol aNaI / a dorFe:k iteg #79254

Client Sample ID: P-1 D-1 14-15

Lab Sample ID: 480-60206-3

Date Collected: 05/19/14 11:26

Matrix: Solid

Date Received: 05/19/14 16:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	31		16 - 127	75/2p/14 75953	75/37/14 16955	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	n D		0\$9	0\$4#	mFjKF	*	09j23j74 08:00	09j25j74 08:34	7
E1 B-7227	n D		0\$9	0\$4#	mFjKF	*	09j23j74 08:00	09j25j74 08:34	7
E1 B-7232	n D		0\$9	0\$4#	mFjKF	*	09j23j74 08:00	09j25j74 08:34	7
E1 B-7242	n D		0\$9	0\$4#	mFjKF	*	09j23j74 08:00	09j25j74 08:34	7
PCB-1248	2.7		0\$9	0\$4#	mFjKF	*	09j23j74 08:00	09j25j74 08:34	7
PCB-1254	2.5		0\$9	0\$2	mFjKF	*	09j23j74 08:00	09j25j74 08:34	7
PCB-1260	1.4		0\$9	0\$2	mFjKF	*	09j23j74 08:00	09j25j74 08:34	7
E1 B-7262	n D		0\$9	0\$2	mFjKF	*	09j23j74 08:00	09j25j74 08:34	7
E1 B-7268	n D		0\$9	0\$2	mFjKF	*	09j23j74 08:00	09j25j74 08:34	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-B-xylene	172		46 - 105	75/23/14 7z977	75/20/14 7z984	1
DC: Decachlorof i8henyl	11z		40 - 106	75/23/14 7z977	75/20/14 7z984	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0064	J	0\$79	0\$096	mFjL	-	09j25j74 73:79	09j28j74 72:02	7
Barium	0.32	B	0\$020	0\$0050	mFjL	-	09j25j74 73:79	09j28j74 72:02	7
Cadmium	0.0014	J	0\$020	0\$0090	mFjL	-	09j25j74 73:79	09j28j74 72:02	7
Chromium	0.0014	J B	0\$040	0\$070	mFjL	-	09j25j74 73:79	09j28j74 72:02	7
Lead	0.0053	J	0\$70	0\$030	mFjL	-	09j25j74 73:79	09j28j74 72:02	7
Selenium	0.012	J	0\$29	0\$085	mFjL	-	09j25j74 73:79	09j28j74 72:02	7
kiQer	n D		0\$060	0\$075	mFjL	-	09j25j74 73:79	09j28j74 72:02	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	n D		0\$0020	0\$0072	mFjL	-	09j25j74 77:00	09j28j74 73:44	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 yal i/ e, Reactive	n D		70\$	0\$030	mFjKF	-	09j25j74 23:20	09j28j74 70:32	7
kuQ/ e, Reactive	n D		70\$	0\$5	mFjKF	-	09j25j74 23:20	09j30j74 00:20	7
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		90\$	90\$	DeFrees d	-		09j23j74 0#:36	7
pH	8.93		0\$700	0\$700	k U	-		09j23j74 27:79	7

Client Sample ID: P-1 C-1 0-1

Lab Sample ID: 480-60206-4

Date Collected: 05/19/14 11:45

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,7-Dich@roethel e	n D		0\$70	0\$02#	mFjL	-		09j24j74 20:96	70
7,2-Dich@roethal e	n D		0\$70	0\$027	mFjL	-		09j24j74 20:96	70
2-Butal ol e (M. K)	n D		0\$90	0\$73	mFjL	-		09j24j74 20:96	70
Bel zel e	n D		0\$70	0\$047	mFjL	-		09j24j74 20:96	70

TestAmerica BuffaQ

Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroEctjk ite: n wk D. 1-Tol aNal / a dorFe:k iteg #79254

Client Sample ID: P-1 C-1 0-1

Lab Sample ID: 480-60206-4

Date Collected: 05/19/14 11:45

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1arbol tetrachOri/ e	nD		0\$70	0\$025	mFjL			09j24j74 20:96	70
1hObel zel e	nD		0\$70	0\$059	mFjL			09j24j74 20:96	70
1hOroform	nD		0\$70	0\$034	mFjL			09j24j74 20:96	70
TetrachOroethel e	nD		0\$70	0\$036	mFjL			09j24j74 20:96	70
TrichOroethel e	nD		0\$70	0\$046	mFjL			09j24j74 20:96	70
Vil yChOri/ e	nD		0\$70	0\$0#0	mFjL			09j24j74 20:96	70

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	131		66 - 130		75/24/14 27\$66	17
4-: roB oruorof enbene (Surr)	zz		03 - 127		75/24/14 27\$66	17
Toluene-dz (Surr)	177		01 - 126		75/24/14 27\$66	17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-DichObel zel e	nD		0\$70	0\$0046	mFjL		09j2#j74 09:93	09j30j74 75:20	7
2,4-Dil itrotoOel e	nD		0\$090	0\$0049	mFjL		09j2#j74 09:93	09j30j74 75:20	7
HexachObel zel e	nD		0\$090	0\$0097	mFjL		09j2#j74 09:93	09j30j74 75:20	7
HexachOrobuta/ iel e	nD		0\$090	0\$0068	mFjL		09j2#j74 09:93	09j30j74 75:20	7
HexachOroethal e	nD		0\$090	0\$009#	mFjL		09j2#j74 09:93	09j30j74 75:20	7
3-MethyPhel oC	nD		0\$70	0\$0040	mFjL		09j2#j74 09:93	09j30j74 75:20	7
2-MethyPhel oC	nD		0\$090	0\$0040	mFjL		09j2#j74 09:93	09j30j74 75:20	7
4-MethyPhel oC	nD		0\$70	0\$0036	mFjL		09j2#j74 09:93	09j30j74 75:20	7
nitobel zel e	nD		0\$090	0\$002#	mFjL		09j2#j74 09:93	09j30j74 75:20	7
Eel tachOrophel oC	nD		0\$70	0\$022	mFjL		09j2#j74 09:93	09j30j74 75:20	7
Eyri/ il e	nD		0\$29	0\$0047	mFjL		09j2#j74 09:93	09j30j74 75:20	7
2,4,9-TrichOrophel oC	nD		0\$090	0\$0048	mFjL		09j2#j74 09:93	09j30j74 75:20	7
2,4,6-TrichOrophel oC	nD		0\$090	0\$0067	mFjL		09j2#j74 09:93	09j30j74 75:20	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Trif roB o8henol	177		52 - 132	75/2p/14 75\$53	75/37/14 10\$27	1
2-Fluorof i8henyl	04		4z - 127	75/2p/14 75\$53	75/37/14 10\$27	1
2-Fluoro8henol	44		27 - 127	75/2p/14 75\$53	75/37/14 10\$27	1
Nitrof enbene-d5	04		46 - 127	75/2p/14 75\$53	75/37/14 10\$27	1
8-Ter8henyl-d14	05		60 - 157	75/2p/14 75\$53	75/37/14 10\$27	1
Phenol-d5	37		16 - 127	75/2p/14 75\$53	75/37/14 10\$27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	nD		0\$7	0\$47	mFjKF	☆	09j23j74 08:00	09j25j74 08:4#	7
E1 B-7227	nD		0\$7	0\$47	mFjKF	☆	09j23j74 08:00	09j25j74 08:4#	7
E1 B-7232	nD		0\$7	0\$47	mFjKF	☆	09j23j74 08:00	09j25j74 08:4#	7
E1 B-7242	nD		0\$7	0\$47	mFjKF	☆	09j23j74 08:00	09j25j74 08:4#	7
PCB-1248	0.52		0\$7	0\$47	mFjKF	☆	09j23j74 08:00	09j25j74 08:4#	7
E1 B-7294	nD		0\$7	0\$#8	mFjKF	☆	09j23j74 08:00	09j25j74 08:4#	7
E1 B-7260	nD		0\$7	0\$#8	mFjKF	☆	09j23j74 08:00	09j25j74 08:4#	7
E1 B-7262	nD		0\$7	0\$#8	mFjKF	☆	09j23j74 08:00	09j25j74 08:4#	7
E1 B-7268	nD		0\$7	0\$#8	mFjKF	☆	09j23j74 08:00	09j25j74 08:4#	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-B-xylene	110		46 - 105	75/23/14 7z97	75/20/14 7z9p	1
DC: Decachlorof i8henyl	155		40 - 106	75/23/14 7z97	75/20/14 7z9p	1

TestAmerica BuffaO

Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroEctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Client Sample ID: P-1 C-1 0-1

Lab Sample ID: 480-60206-4

Date Collected: 05/19/14 11:45

Matrix: Solid

Date Received: 05/19/14 16:50

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsel ic	nD		0\$79	0\$096	mFJL		09j25j74 73:79	09j28j74 72:09	7
Barium	0.14	B	0\$020	0\$0050	mFJL		09j25j74 73:79	09j28j74 72:09	7
1 a/ mium	nD		0\$020	0\$0090	mFJL		09j25j74 73:79	09j28j74 72:09	7
Chromium	0.031	B	0\$040	0\$070	mFJL		09j25j74 73:79	09j28j74 72:09	7
Lead	0.0036	J	0\$70	0\$030	mFJL		09j25j74 73:79	09j28j74 72:09	7
Selenium	0.013	J	0\$29	0\$085	mFJL		09j25j74 73:79	09j28j74 72:09	7
kiQer	nD		0\$060	0\$075	mFJL		09j25j74 73:79	09j28j74 72:09	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	nD		0\$0020	0\$0072	mFJL		09j25j74 77:00	09j28j74 73:46	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 yal i/ e, Reactive	nD		70\$	0\$030	mFJKF		09j25j74 23:20	09j28j74 70:32	7
Sulfide, Reactive	4.0	J	70\$	0\$5	mFJKF		09j25j74 23:20	09j30j74 00:20	7
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		90\$	90\$	DeFrees d			09j23j74 0#:36	7
pH	11.3		0\$700	0\$700	k U			09j22j74 20:0#	7

Client Sample ID: P-1 C-1 5-6

Lab Sample ID: 480-60206-5

Date Collected: 05/19/14 11:35

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,7-DichOroethel e	nD		0\$70	0\$02#	mFJL			09j24j74 20:33	70
7,2-DichOroethal e	nD		0\$70	0\$027	mFJL			09j24j74 20:33	70
2-Butal ol e (M. K)	nD		0\$90	0\$73	mFJL			09j24j74 20:33	70
Bel zel e	nD		0\$70	0\$047	mFJL			09j24j74 20:33	70
1 arbol tetrachOri/ e	nD		0\$70	0\$025	mFJL			09j24j74 20:33	70
1 hOrobel zel e	nD		0\$70	0\$059	mFJL			09j24j74 20:33	70
1 hOroform	nD		0\$70	0\$034	mFJL			09j24j74 20:33	70
TetrachOroethel e	nD		0\$70	0\$036	mFJL			09j24j74 20:33	70
TrichOroethel e	nD		0\$70	0\$046	mFJL			09j24j74 20:33	70
Vil yChOri/ e	nD		0\$70	0\$0#0	mFJL			09j24j74 20:33	70
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		66 - 130					75/24/14 27\$3	17
4-: roB orfluorof enbene (Surr)	zz		03 - 127					75/24/14 27\$3	17
Toluene-dz (Surr)	171		01 - 126					75/24/14 27\$3	17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-DichOrobel zel e	nD		0\$70	0\$0046	mFJL		09j2#j74 09:93	09j30j74 75:44	7
2,4-Dil itrotoQel e	nD		0\$090	0\$0049	mFJL		09j2#j74 09:93	09j30j74 75:44	7
HexachOrobel zel e	nD		0\$090	0\$0097	mFJL		09j2#j74 09:93	09j30j74 75:44	7
HexachOrobuta/ iel e	nD		0\$090	0\$0068	mFJL		09j2#j74 09:93	09j30j74 75:44	7
HexachOroethal e	nD		0\$090	0\$009#	mFJL		09j2#j74 09:93	09j30j74 75:44	7
3-Methylphenol	0.0014	J	0\$70	0\$0040	mFJL		09j2#j74 09:93	09j30j74 75:44	7

TestAmerica BuffaQ

Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1-Tol aNal / a dorFe:k iteg #79254

Client Sample ID: P-1 C-1 5-6

Lab Sample ID: 480-60206-5

Date Collected: 05/19/14 11:35

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyphenel oC	nD		0\$090	0\$0040	mFjL		09j2#j74 09:93	09j30j74 75:44	7
4-Methylphenol	0.0014	J	0\$070	0\$0036	mFjL		09j2#j74 09:93	09j30j74 75:44	7
nitrobel zel e	nD		0\$090	0\$002#	mFjL		09j2#j74 09:93	09j30j74 75:44	7
Eel tachOrophel oC	nD		0\$070	0\$022	mFjL		09j2#j74 09:93	09j30j74 75:44	7
Eyri/ il e	nD		0\$029	0\$0047	mFjL		09j2#j74 09:93	09j30j74 75:44	7
2,4,9-TrichOrophel oC	nD		0\$090	0\$0048	mFjL		09j2#j74 09:93	09j30j74 75:44	7
2,4,6-TrichOrophel oC	nD		0\$090	0\$0067	mFjL		09j2#j74 09:93	09j30j74 75:44	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Trif roBo8henol	p0		52 - 132	75/2p/14 75\$3	75/37/14 109\$4	1
2-Fluorof i8henyl	00		4z - 127	75/2p/14 75\$3	75/37/14 109\$4	1
2-Fluoro8henol	40		27 - 127	75/2p/14 75\$3	75/37/14 109\$4	1
Nitrof enbene-d5	0z		46 - 127	75/2p/14 75\$3	75/37/14 109\$4	1
8-Ter8henyl-d14	06		60 - 157	75/2p/14 75\$3	75/37/14 109\$4	1
Phenol-d5	31		16 - 127	75/2p/14 75\$3	75/37/14 109\$4	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	nD		0\$3	0\$44	mFjKF	*	09j23j74 08:00	09j25j74 0#:04	7
E1 B-7227	nD		0\$3	0\$44	mFjKF	*	09j23j74 08:00	09j25j74 0#:04	7
E1 B-7232	nD		0\$3	0\$44	mFjKF	*	09j23j74 08:00	09j25j74 0#:04	7
E1 B-7242	nD		0\$3	0\$44	mFjKF	*	09j23j74 08:00	09j25j74 0#:04	7
PCB-1248	1.4		0\$3	0\$44	mFjKF	*	09j23j74 08:00	09j25j74 0#:04	7
PCB-1254	1.5		0\$3	0\$7	mFjKF	*	09j23j74 08:00	09j25j74 0#:04	7
PCB-1260	1.4		0\$3	0\$7	mFjKF	*	09j23j74 08:00	09j25j74 0#:04	7
E1 B-7262	nD		0\$3	0\$7	mFjKF	*	09j23j74 08:00	09j25j74 0#:04	7
E1 B-7268	nD		0\$3	0\$7	mFjKF	*	09j23j74 08:00	09j25j74 0#:04	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-B-xylene	17p		46 - 105	75/23/14 7z\$7	75/20/14 7p\$4	1
DC: Decachlorof i8henyl	12z		40 - 106	75/23/14 7z\$7	75/20/14 7p\$4	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0084	J	0\$79	0\$096	mFjL		09j25j74 73:79	09j28j74 72:98	7
Barium	0.54	^ B	0\$020	0\$0050	mFjL		09j25j74 73:79	09j28j74 72:98	7
Cadmium	0.0041		0\$020	0\$0090	mFjL		09j25j74 73:79	09j28j74 72:98	7
Chromium	0.0068		0\$040	0\$070	mFjL		09j25j74 73:79	09j28j74 72:98	7
Lead	0.016		0\$70	0\$030	mFjL		09j25j74 73:79	09j28j74 72:98	7
Selenium	0.020	J	0\$29	0\$085	mFjL		09j25j74 73:79	09j28j74 72:98	7
kiQer	nD		0\$060	0\$075	mFjL		09j25j74 73:79	09j28j74 72:98	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	nD		0\$0020	0\$0072	mFjL		09j25j74 77:00	09j28j74 73:7#	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 yal i/ e, Reactive	nD		70\$	0\$030	mFjKF		09j25j74 23:20	09j28j74 70:32	7
kuQ/ e, Reactive	nD		70\$	0\$5	mFjKF		09j25j74 23:20	09j30j74 00:20	7

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Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroEtjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

Client Sample ID: P-1 C-1 5-6

Lab Sample ID: 480-60206-5

Date Collected: 05/19/14 11:35

Matrix: Solid

Date Received: 05/19/14 16:50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		90S	90S	DeFrees d			09j23j74 0#:36	7
pH	8.69		0S00	0S00	k U			09j22j74 20:0#	7

Client Sample ID: P-1 C-1 14-15

Lab Sample ID: 480-60206-6

Date Collected: 05/19/14 11:40

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,7-Dichloroethel e	nD		0S070	0S02#	mFjL			09j24j74 20:0#	70
7,2-Dichloroethal e	nD		0S070	0S027	mFjL			09j24j74 20:0#	70
2-Butal ol e (M. K)	nD		0S090	0S073	mFjL			09j24j74 20:0#	70
Bel zel e	nD		0S070	0S047	mFjL			09j24j74 20:0#	70
1 arbol tetrachOri/ e	nD		0S070	0S025	mFjL			09j24j74 20:0#	70
1 hObel zel e	nD		0S070	0S059	mFjL			09j24j74 20:0#	70
1 hOroform	nD		0S070	0S034	mFjL			09j24j74 20:0#	70
Tetrachloroethel e	nD		0S070	0S036	mFjL			09j24j74 20:0#	70
Trichloroethel e	nD		0S070	0S046	mFjL			09j24j74 20:0#	70
Vil yChOri/ e	nD		0S070	0S0#0	mFjL			09j24j74 20:0#	70
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	12p		66 - 130					75/24/14 279p	17
4-: roB oruorof enbene (Surr)	p1		03 - 127					75/24/14 279p	17
Toluene-dz (Surr)	171		01 - 126					75/24/14 279p	17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-Dichlorobel zel e	nD		0S070	0S0046	mFjL		09j2#j74 09:93	09j30j74 78:08	7
2,4-Dil itrotoel e	nD		0S090	0S0049	mFjL		09j2#j74 09:93	09j30j74 78:08	7
Hexachlorobel zel e	nD		0S090	0S0097	mFjL		09j2#j74 09:93	09j30j74 78:08	7
Hexachlorobuta/ iel e	nD		0S090	0S0068	mFjL		09j2#j74 09:93	09j30j74 78:08	7
Hexachloroethal e	nD		0S090	0S009#	mFjL		09j2#j74 09:93	09j30j74 78:08	7
3-MethyPhel oC	nD		0S070	0S0040	mFjL		09j2#j74 09:93	09j30j74 78:08	7
2-MethyPhel oC	nD		0S090	0S0040	mFjL		09j2#j74 09:93	09j30j74 78:08	7
4-MethyPhel oC	nD		0S070	0S0036	mFjL		09j2#j74 09:93	09j30j74 78:08	7
nitrobel zel e	nD		0S090	0S002#	mFjL		09j2#j74 09:93	09j30j74 78:08	7
Eel tachOrophel oC	nD		0S070	0S022	mFjL		09j2#j74 09:93	09j30j74 78:08	7
Eyri/ il e	nD		0S29	0S0047	mFjL		09j2#j74 09:93	09j30j74 78:08	7
2,4,9-TrichOrophel oC	nD		0S090	0S0048	mFjL		09j2#j74 09:93	09j30j74 78:08	7
2,4,6-TrichOrophel oC	nD		0S090	0S0067	mFjL		09j2#j74 09:93	09j30j74 78:08	7
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Trif roBo8henol	p5		52 - 132				75/2p/14 75S3	75/37/14 1z9z	1
2-Fluorof i8henyl	6p		4z - 127				75/2p/14 75S3	75/37/14 1z9z	1
2-Fluoro8henol	47		27 - 127				75/2p/14 75S3	75/37/14 1z9z	1
Nitrof enbene-d5	6p		46 - 127				75/2p/14 75S3	75/37/14 1z9z	1
8-Ter8henyl-d14	z1		60 - 157				75/2p/14 75S3	75/37/14 1z9z	1
Phenol-d5	20		16 - 127				75/2p/14 75S3	75/37/14 1z9z	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	nD		0S6	0S97	mFjKF	☆	09j23j74 08:00	09j25j74 0#:7#	7

TestAmerica BuffaO

Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroEtjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Client Sample ID: P-1 C-1 14-15

Lab Sample ID: 480-60206-6

Date Collected: 05/19/14 11:40

Matrix: Solid

Date Received: 05/19/14 16:50

Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7227	nD		0\$6	0\$97	mFjKF	*	09j23j74 08:00	09j25j74 0#:7#	7
E1 B-7232	nD		0\$6	0\$97	mFjKF	*	09j23j74 08:00	09j25j74 0#:7#	7
E1 B-7242	nD		0\$6	0\$97	mFjKF	*	09j23j74 08:00	09j25j74 0#:7#	7
PCB-1248	1.7		0\$6	0\$97	mFjKF	*	09j23j74 08:00	09j25j74 0#:7#	7
PCB-1254	1.5		0\$6	0\$2	mFjKF	*	09j23j74 08:00	09j25j74 0#:7#	7
PCB-1260	0.92		0\$6	0\$2	mFjKF	*	09j23j74 08:00	09j25j74 0#:7#	7
E1 B-7262	nD		0\$6	0\$2	mFjKF	*	09j23j74 08:00	09j25j74 0#:7#	7
E1 B-7268	nD		0\$6	0\$2	mFjKF	*	09j23j74 08:00	09j25j74 0#:7#	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-B-xylene	116		46 - 105	75/23/14 7z97	75/20/14 7p9p	1
DC: Decachlorof i8henyl	224 X		40 - 106	75/23/14 7z97	75/20/14 7p9p	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0064	J	0\$79	0\$096	mFjL		09j25j74 73:79	09j28j74 72:08	7
Barium	0.25	B	0\$020	0\$0050	mFjL		09j25j74 73:79	09j28j74 72:08	7
Cadmium	0.0023		0\$020	0\$0090	mFjL		09j25j74 73:79	09j28j74 72:08	7
Chromium	0.0041	B	0\$040	0\$070	mFjL		09j25j74 73:79	09j28j74 72:08	7
Lead	0.0069	J	0\$70	0\$030	mFjL		09j25j74 73:79	09j28j74 72:08	7
Selenium	0.012	J	0\$29	0\$085	mFjL		09j25j74 73:79	09j28j74 72:08	7
ki0er	nD		0\$060	0\$075	mFjL		09j25j74 73:79	09j28j74 72:08	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	nD		0\$0020	0\$0072	mFjL		09j25j74 77:00	09j28j74 73:48	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 yal i/ e, Reactive	nD		70\$	0\$030	mFjKF		09j25j74 23:20	09j28j74 70:32	7
k u0/ e, Reactive	nD		70\$	0\$5	mFjKF		09j25j74 23:20	09j30j74 00:20	7
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		90\$	90\$	DeFrees d			09j25j74 08:4#	7
pH	8.68		0\$00	0\$00	k U			09j22j74 20:0#	7

Client Sample ID: P-1 B-1 0-1

Lab Sample ID: 480-60206-7

Date Collected: 05/19/14 11:50

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,7-Dich0roethel e	nD		0\$70	0\$02#	mFjL			09j24j74 7#:49	70
7,2-Dich0roethal e	nD		0\$70	0\$027	mFjL			09j24j74 7#:49	70
2-Butal ol e (M. K)	nD		0\$90	0\$73	mFjL			09j24j74 7#:49	70
Bel zel e	nD		0\$70	0\$047	mFjL			09j24j74 7#:49	70
1 arbol tetrach0ri/ e	nD		0\$70	0\$025	mFjL			09j24j74 7#:49	70
1 h0robel zel e	nD		0\$70	0\$059	mFjL			09j24j74 7#:49	70
1 h0roform	nD		0\$70	0\$034	mFjL			09j24j74 7#:49	70
Tetrach0roethel e	nD		0\$70	0\$036	mFjL			09j24j74 7#:49	70
Trich0roethel e	nD		0\$70	0\$046	mFjL			09j24j74 7#:49	70

TestAmerica Buffa0

Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

Client Sample ID: P-1 B-1 0-1

Lab Sample ID: 480-60206-7

Date Collected: 05/19/14 11:50

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vil yCchQri/ e	n D		0\$70	0\$0#0	mFjL			09j24j74 7#:49	70

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	12p		66 - 130		75/24/14 1p9#5	17
4-: roB orfluorof enbene (Surr)	zp		03 - 127		75/24/14 1p9#5	17
Toluene-dz (Surr)	177		01 - 126		75/24/14 1p9#5	17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-DichQrobel zel e	n D		0\$70	0\$0046	mFjL		09j2#j74 09:93	09j30j74 78:33	7
2,4-Dil itrotoQel e	n D		0\$090	0\$0049	mFjL		09j2#j74 09:93	09j30j74 78:33	7
HexachQrobel zel e	n D		0\$090	0\$0097	mFjL		09j2#j74 09:93	09j30j74 78:33	7
HexachQrobuta/ iel e	n D		0\$090	0\$0068	mFjL		09j2#j74 09:93	09j30j74 78:33	7
HexachQroethal e	n D		0\$090	0\$009#	mFjL		09j2#j74 09:93	09j30j74 78:33	7
3-MethyQhel oC	n D		0\$70	0\$0040	mFjL		09j2#j74 09:93	09j30j74 78:33	7
2-MethyQhel oC	n D		0\$090	0\$0040	mFjL		09j2#j74 09:93	09j30j74 78:33	7
4-MethyQhel oC	n D		0\$70	0\$0036	mFjL		09j2#j74 09:93	09j30j74 78:33	7
nitrobel zel e	n D		0\$090	0\$002#	mFjL		09j2#j74 09:93	09j30j74 78:33	7
Eel tachQrophel oC	n D		0\$70	0\$022	mFjL		09j2#j74 09:93	09j30j74 78:33	7
Eyri/ il e	n D		0\$29	0\$0047	mFjL		09j2#j74 09:93	09j30j74 78:33	7
2,4,9-TrichQrophel oC	n D		0\$090	0\$0048	mFjL		09j2#j74 09:93	09j30j74 78:33	7
2,4,6-TrichQrophel oC	n D		0\$090	0\$0067	mFjL		09j2#j74 09:93	09j30j74 78:33	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Trif roBo8henol	pp		52 - 132	75/2p/14 75\$3	75/37/14 1z9#3	1
2-Fluorof i8henyl	6z		4z - 127	75/2p/14 75\$3	75/37/14 1z9#3	1
2-Fluoro8henol	3p		27 - 127	75/2p/14 75\$3	75/37/14 1z9#3	1
Nitrof enbene-d5	6z		46 - 127	75/2p/14 75\$3	75/37/14 1z9#3	1
8-Ter8henyl-d14	0z		60 - 157	75/2p/14 75\$3	75/37/14 1z9#3	1
Phenol-d5	20		16 - 127	75/2p/14 75\$3	75/37/14 1z9#3	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	n D		0\$6	0\$97	mFjKF	☆	09j23j74 08:00	09j25j74 70:03	7
E1 B-7227	n D		0\$6	0\$97	mFjKF	☆	09j23j74 08:00	09j25j74 70:03	7
E1 B-7232	n D		0\$6	0\$97	mFjKF	☆	09j23j74 08:00	09j25j74 70:03	7
E1 B-7242	n D		0\$6	0\$97	mFjKF	☆	09j23j74 08:00	09j25j74 70:03	7
PCB-1248	1.5		0\$6	0\$97	mFjKF	☆	09j23j74 08:00	09j25j74 70:03	7
PCB-1254	1.5		0\$6	0\$2	mFjKF	☆	09j23j74 08:00	09j25j74 70:03	7
PCB-1260	0.94		0\$6	0\$2	mFjKF	☆	09j23j74 08:00	09j25j74 70:03	7
E1 B-7262	n D		0\$6	0\$2	mFjKF	☆	09j23j74 08:00	09j25j74 70:03	7
E1 B-7268	n D		0\$6	0\$2	mFjKF	☆	09j23j74 08:00	09j25j74 70:03	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-B -xylene	176		46 - 105	75/23/14 7z977	75/20/14 17973	1
DC: Decachlorof i8henyl	122		40 - 106	75/23/14 7z977	75/20/14 17973	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0089	J	0\$79	0\$096	mFjL		09j25j74 73:79	09j28j74 73:07	7
Barium	0.42	^ B	0\$020	0\$0050	mFjL		09j25j74 73:79	09j28j74 73:07	7

TestAmerica BuffaQ

Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1-Tol aNaI / a dorFe:k iteg #79254

Client Sample ID: P-1 B-1 0-1

Lab Sample ID: 480-60206-7

Date Collected: 05/19/14 11:50

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0020		0.0020	0.00090	mFJL		09j25j74 73:79	09j28j74 73:07	7
Chromium	0.0081		0.0040	0.00070	mFJL		09j25j74 73:79	09j28j74 73:07	7
Lead	0.018		0.0070	0.00030	mFJL		09j25j74 73:79	09j28j74 73:07	7
Selenium	0.015	J	0.0029	0.00085	mFJL		09j25j74 73:79	09j28j74 73:07	7
kiQer	nD		0.0060	0.00075	mFJL		09j25j74 73:79	09j28j74 73:07	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	nD		0.00020	0.000072	mFJL		09j25j74 77:00	09j28j74 73:27	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1yal i/ e, Reactive	nD		70.0	0.00030	mFJKF		09j25j74 23:20	09j28j74 70:32	7
k u0/ e, Reactive	nD		70.0	0.0005	mFJKF		09j25j74 23:20	09j30j74 00:20	7
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		90.0	90.0	DeFrees d			09j25j74 08:4#	7
pH	8.71		0.000	0.000	k U			09j22j74 20:0#	7

Client Sample ID: P-1 B-1 4-5

Lab Sample ID: 480-60206-8

Date Collected: 05/19/14 11:50

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,7-Dich0roethel e	nD		0.0070	0.0002#	mFJL			09j24j74 7#:22	70
7,2-Dich0roethal e	nD		0.0070	0.00027	mFJL			09j24j74 7#:22	70
2-Butal ol e (M. K)	nD		0.0090	0.00073	mFJL			09j24j74 7#:22	70
Bel zel e	nD		0.0070	0.00047	mFJL			09j24j74 7#:22	70
1arbol tetrach0ri/ e	nD		0.0070	0.00025	mFJL			09j24j74 7#:22	70
1h0robel zel e	nD		0.0070	0.00059	mFJL			09j24j74 7#:22	70
1h0roform	nD		0.0070	0.00034	mFJL			09j24j74 7#:22	70
Tetrach0roethel e	nD		0.0070	0.00036	mFJL			09j24j74 7#:22	70
Trich0roethel e	nD		0.0070	0.00046	mFJL			09j24j74 7#:22	70
Vil yCh0ri/ e	nD		0.0070	0.000#0	mFJL			09j24j74 7#:22	70

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		66 - 130		75/24/14 1p02	17
4-: roB oruorof enbene (Surr)	zp		03 - 127		75/24/14 1p02	17
Toluene-dz (Surr)	171		01 - 126		75/24/14 1p02	17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-Dich0robel zel e	nD		0.0070	0.00046	mFJL		09j2#j74 09:93	09j30j74 78:95	7
2,4-Dil itroto0el e	nD		0.0090	0.00049	mFJL		09j2#j74 09:93	09j30j74 78:95	7
Hexach0robel zel e	nD		0.0090	0.00097	mFJL		09j2#j74 09:93	09j30j74 78:95	7
Hexach0robuta/ iel e	nD		0.0090	0.00068	mFJL		09j2#j74 09:93	09j30j74 78:95	7
Hexach0roethal e	nD		0.0090	0.0009#	mFJL		09j2#j74 09:93	09j30j74 78:95	7
3-Methy0hel oC	nD		0.0070	0.00040	mFJL		09j2#j74 09:93	09j30j74 78:95	7
2-Methy0hel oC	nD		0.0090	0.00040	mFJL		09j2#j74 09:93	09j30j74 78:95	7
4-Methy0hel oC	nD		0.0070	0.00036	mFJL		09j2#j74 09:93	09j30j74 78:95	7

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Client Sample Results

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TestAmerica Job ID: 480-60206-7

Er0ctjk ite: n wk D. 1-Tol aNal / a dorFe:k iteg #79254

Client Sample ID: P-1 B-1 4-5

Lab Sample ID: 480-60206-8

Date Collected: 05/19/14 11:50

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
nitrobel zel e	nD		0\$090	0\$002#	mFjL		09j2#j74 09:93	09j30j74 78:95	7
Eel tach0rophel oC	nD		0\$070	0\$0022	mFjL		09j2#j74 09:93	09j30j74 78:95	7
Eyri/ il e	nD		0\$029	0\$0047	mFjL		09j2#j74 09:93	09j30j74 78:95	7
2,4,9-Trich0rophel oC	nD		0\$090	0\$0048	mFjL		09j2#j74 09:93	09j30j74 78:95	7
2,4,6-Trich0rophel oC	nD		0\$090	0\$0067	mFjL		09j2#j74 09:93	09j30j74 78:95	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Trif roB o8henol	p1		52 - 132	75/2p/14 75\$3	75/37/14 1z\$0	1
2-Fluorof i8henyl	63		4z - 127	75/2p/14 75\$3	75/37/14 1z\$0	1
2-Fluoro8henol	35		27 - 127	75/2p/14 75\$3	75/37/14 1z\$0	1
Nitrof enbene-d5	62		46 - 127	75/2p/14 75\$3	75/37/14 1z\$0	1
8-Ter8henyl-d14	0z		60 - 157	75/2p/14 75\$3	75/37/14 1z\$0	1
Phenol-d5	24		16 - 127	75/2p/14 75\$3	75/37/14 1z\$0	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	nD		0\$07	0\$040	mFjKF	*	09j23j74 08:00	09j25j74 70:78	7
E1 B-7227	nD		0\$07	0\$040	mFjKF	*	09j23j74 08:00	09j25j74 70:78	7
E1 B-7232	nD		0\$07	0\$040	mFjKF	*	09j23j74 08:00	09j25j74 70:78	7
E1 B-7242	nD		0\$07	0\$040	mFjKF	*	09j23j74 08:00	09j25j74 70:78	7
PCB-1248	2.0		0\$07	0\$040	mFjKF	*	09j23j74 08:00	09j25j74 70:78	7
PCB-1254	2.4		0\$07	0\$0#5	mFjKF	*	09j23j74 08:00	09j25j74 70:78	7
PCB-1260	2.1		0\$07	0\$0#5	mFjKF	*	09j23j74 08:00	09j25j74 70:78	7
E1 B-7262	nD		0\$07	0\$0#5	mFjKF	*	09j23j74 08:00	09j25j74 70:78	7
E1 B-7268	nD		0\$07	0\$0#5	mFjKF	*	09j23j74 08:00	09j25j74 70:78	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-B-xylene	124		46 - 105	75/23/14 7z\$7	75/20/14 179lz	1
DC: Decachlorof i8henyl	150		40 - 106	75/23/14 7z\$7	75/20/14 179lz	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0078	J	0\$079	0\$096	mFjL		09j25j74 73:79	09j28j74 73:04	7
Barium	0.69	^ B	0\$020	0\$0050	mFjL		09j25j74 73:79	09j28j74 73:04	7
Cadmium	0.025		0\$020	0\$0090	mFjL		09j25j74 73:79	09j28j74 73:04	7
Chromium	0.0096		0\$040	0\$070	mFjL		09j25j74 73:79	09j28j74 73:04	7
Lead	0.063		0\$070	0\$030	mFjL		09j25j74 73:79	09j28j74 73:04	7
Selenium	0.024	J	0\$029	0\$085	mFjL		09j25j74 73:79	09j28j74 73:04	7
ki0er	nD		0\$060	0\$075	mFjL		09j25j74 73:79	09j28j74 73:04	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	nD		0\$0020	0\$0072	mFjL		09j25j74 77:00	09j28j74 73:23	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 yal i/ e, Reactive	nD		70\$	0\$030	mFjKF		09j25j74 23:20	09j28j74 70:32	7
ku0/ e, Reactive	nD		70\$	0\$5	mFjKF		09j25j74 23:20	09j30j74 00:20	7
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		90\$	90\$	DeFrees d			09j25j74 08:4#	7
pH	8.61		0\$700	0\$700	k U			09j22j74 20:0#	7

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Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

Client Sample ID: P-1 A-1 0-1

Lab Sample ID: 480-60206-9

Date Collected: 05/19/14 11:59

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,7-Dichloroethel e	nD		0\$70	0\$02#	mFjL			09j24j74 78:98	70
7,2-Dichloroethel e	nD		0\$70	0\$027	mFjL			09j24j74 78:98	70
2-Butal ol e (M. K)	nD		0\$90	0\$73	mFjL			09j24j74 78:98	70
Bel zel e	nD		0\$70	0\$047	mFjL			09j24j74 78:98	70
1 arbol tetrachlori/ e	nD		0\$70	0\$025	mFjL			09j24j74 78:98	70
1 hchlorobel zel e	nD		0\$70	0\$059	mFjL			09j24j74 78:98	70
1 hchloroform	nD		0\$70	0\$034	mFjL			09j24j74 78:98	70
Tetrachloroethel e	nD		0\$70	0\$036	mFjL			09j24j74 78:98	70
Trichloroethel e	nD		0\$70	0\$046	mFjL			09j24j74 78:98	70
Vil ychlori/ e	nD		0\$70	0\$0#0	mFjL			09j24j74 78:98	70

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	12z		66 - 130		75/24/14 1z9z	17
4-: roB orthuorof enbene (Surr)	z0		03 - 127		75/24/14 1z9z	17
Toluene-dz (Surr)	pp		01 - 126		75/24/14 1z9z	17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-Dichlorobel zel e	nD		0\$70	0\$0046	mFjL		09j2#j74 09:93	09j30j74 7#:27	7
2,4-Dil itrotoel e	nD		0\$090	0\$0049	mFjL		09j2#j74 09:93	09j30j74 7#:27	7
Hexachlorobel zel e	nD		0\$090	0\$0097	mFjL		09j2#j74 09:93	09j30j74 7#:27	7
Hexachlorobuta/ iel e	nD		0\$090	0\$0068	mFjL		09j2#j74 09:93	09j30j74 7#:27	7
Hexachloroethal e	nD		0\$090	0\$009#	mFjL		09j2#j74 09:93	09j30j74 7#:27	7
3-Methyphel oC	nD		0\$70	0\$0040	mFjL		09j2#j74 09:93	09j30j74 7#:27	7
2-Methyphel oC	nD		0\$090	0\$0040	mFjL		09j2#j74 09:93	09j30j74 7#:27	7
4-Methyphel oC	nD		0\$70	0\$0036	mFjL		09j2#j74 09:93	09j30j74 7#:27	7
nitrobil zel e	nD		0\$090	0\$002#	mFjL		09j2#j74 09:93	09j30j74 7#:27	7
Eel tachrophel oC	nD		0\$70	0\$022	mFjL		09j2#j74 09:93	09j30j74 7#:27	7
Eyri/ il e	nD		0\$29	0\$0047	mFjL		09j2#j74 09:93	09j30j74 7#:27	7
2,4,9-Trichrophel oC	nD		0\$090	0\$0048	mFjL		09j2#j74 09:93	09j30j74 7#:27	7
2,4,6-Trichrophel oC	nD		0\$090	0\$0067	mFjL		09j2#j74 09:93	09j30j74 7#:27	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Trif roBo8henol	172		52 - 132	75/2p/14 75\$3	75/37/14 1p\$1	1
2-Fluorof i8henyl	04		4z - 127	75/2p/14 75\$3	75/37/14 1p\$1	1
2-Fluoro8henol	47		27 - 127	75/2p/14 75\$3	75/37/14 1p\$1	1
Nitrof enbene-d5	04		46 - 127	75/2p/14 75\$3	75/37/14 1p\$1	1
8-Ter8henyl-d14	z5		60 - 157	75/2p/14 75\$3	75/37/14 1p\$1	1
Phenol-d5	2p		16 - 127	75/2p/14 75\$3	75/37/14 1p\$1	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	nD		0\$4	0\$45	mFjKF	✱	09j23j74 08:00	09j25j74 70:33	7
E1 B-7227	nD		0\$4	0\$45	mFjKF	✱	09j23j74 08:00	09j25j74 70:33	7
E1 B-7232	nD		0\$4	0\$45	mFjKF	✱	09j23j74 08:00	09j25j74 70:33	7
E1 B-7242	nD		0\$4	0\$45	mFjKF	✱	09j23j74 08:00	09j25j74 70:33	7
E1 B-7248	nD		0\$4	0\$45	mFjKF	✱	09j23j74 08:00	09j25j74 70:33	7
E1 B-7294	nD		0\$4	0\$7	mFjKF	✱	09j23j74 08:00	09j25j74 70:33	7
E1 B-7260	nD		0\$4	0\$7	mFjKF	✱	09j23j74 08:00	09j25j74 70:33	7
E1 B-7262	nD		0\$4	0\$7	mFjKF	✱	09j23j74 08:00	09j25j74 70:33	7

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Client Sample Results

1001: nEN worYk tate DS S

TestAmerica Job ID: 480-60206-7

EroEtjkte: n wk D. 1-Tol aNaI / a dorFe:k iteg #79254

Client Sample ID: P-1 A-1 0-1

Lab Sample ID: 480-60206-9

Date Collected: 05/19/14 11:59

Matrix: Solid

Date Received: 05/19/14 16:50

Percent Solids: 96.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7268	n D		0\$4	0\$7	mFjKF	☆	09j23j74 08:00	09j25j74 70:33	7
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-B-xylene	176		46 - 105				75/23/14 7z97	75/20/14 1793	1
DC: Decachlorof i8henyl	02		40 - 106				75/23/14 7z97	75/20/14 1793	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsel ic	n D		0\$79	0\$096	mFjL		09j25j74 73:79	09j28j74 72:77	7
Barium	0.17	B	0\$020	0\$0050	mFjL		09j25j74 73:79	09j28j74 72:77	7
1 a/ mium	n D		0\$020	0\$0090	mFjL		09j25j74 73:79	09j28j74 72:77	7
Chromium	0.0056	B	0\$040	0\$070	mFjL		09j25j74 73:79	09j28j74 72:77	7
Lead	0.0030	J	0\$70	0\$030	mFjL		09j25j74 73:79	09j28j74 72:77	7
Selenium	0.013	J	0\$29	0\$085	mFjL		09j25j74 73:79	09j28j74 72:77	7
kiQer	n D		0\$060	0\$075	mFjL		09j25j74 73:79	09j28j74 72:77	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	n D		0\$0020	0\$0072	mFjL		09j25j74 77:00	09j28j74 73:90	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 yal i/ e, Reactive	n D		70\$	0\$030	mFjKF		09j25j74 23:20	09j28j74 70:32	7
k u@/ e, Reactive	n D		70\$	0\$5	mFjKF		09j25j74 23:20	09j30j74 00:20	7
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		90\$	90\$	DeFrees d			09j25j74 08:4#	7
pH	11.1		0\$700	0\$700	k U			09j22j74 20:0#	7

Client Sample ID: P-1 A-1 4-5

Lab Sample ID: 480-60206-10

Date Collected: 05/19/14 12:00

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,7-Dich@roethel e	n D		0\$70	0\$02#	mFjL			09j24j74 78:39	70
7,2-Dich@roethal e	n D		0\$70	0\$027	mFjL			09j24j74 78:39	70
2-Butal ol e (M. K)	n D		0\$90	0\$73	mFjL			09j24j74 78:39	70
Bel zel e	n D		0\$70	0\$047	mFjL			09j24j74 78:39	70
1 arbol tetrach@ri/ e	n D		0\$70	0\$025	mFjL			09j24j74 78:39	70
1 h@robel zel e	n D		0\$70	0\$059	mFjL			09j24j74 78:39	70
1 h@roform	n D		0\$70	0\$034	mFjL			09j24j74 78:39	70
Tetrach@roethel e	n D		0\$70	0\$036	mFjL			09j24j74 78:39	70
Trich@roethel e	n D		0\$70	0\$046	mFjL			09j24j74 78:39	70
Vil yCch@ri/ e	n D		0\$70	0\$0#0	mFjL			09j24j74 78:39	70
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	125		66 - 130					75/24/14 1z95	17
4-: roB orfluorof enbene (Surr)	p1		03 - 127					75/24/14 1z95	17
Toluene-dz (Surr)	171		01 - 126					75/24/14 1z95	17

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Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1-Tol aNal / a dorFe:k iteg #79254

Client Sample ID: P-1 A-1 4-5

Lab Sample ID: 480-60206-10

Date Collected: 05/19/14 12:00

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-Dich@robel zel e	nD		0\$70	0\$0046	mFjL		09j2#j74 09:93	09j30j74 7#:49	7
2,4-Dil itrotoQel e	nD		0\$090	0\$0049	mFjL		09j2#j74 09:93	09j30j74 7#:49	7
Hexach@robel zel e	nD		0\$090	0\$0097	mFjL		09j2#j74 09:93	09j30j74 7#:49	7
Hexach@robuta/ iel e	nD		0\$090	0\$0068	mFjL		09j2#j74 09:93	09j30j74 7#:49	7
Hexach@roethal e	nD		0\$090	0\$009#	mFjL		09j2#j74 09:93	09j30j74 7#:49	7
3-Methy@hel oC	nD		0\$70	0\$0040	mFjL		09j2#j74 09:93	09j30j74 7#:49	7
2-Methy@hel oC	nD		0\$090	0\$0040	mFjL		09j2#j74 09:93	09j30j74 7#:49	7
4-Methy@hel oC	nD		0\$70	0\$0036	mFjL		09j2#j74 09:93	09j30j74 7#:49	7
n itrobel zel e	nD		0\$090	0\$002#	mFjL		09j2#j74 09:93	09j30j74 7#:49	7
Eel tach@rophel oC	nD		0\$70	0\$022	mFjL		09j2#j74 09:93	09j30j74 7#:49	7
Eyri/ il e	nD		0\$29	0\$0047	mFjL		09j2#j74 09:93	09j30j74 7#:49	7
2,4,9-Trich@rophel oC	nD		0\$090	0\$0048	mFjL		09j2#j74 09:93	09j30j74 7#:49	7
2,4,6-Trich@rophel oC	nD		0\$090	0\$0067	mFjL		09j2#j74 09:93	09j30j74 7#:49	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Trif roBo8henol	p3		52 - 132	75/2p/14 75\$3	75/37/14 1p945	1
2-Fluorof i8henyl	60		4z - 127	75/2p/14 75\$3	75/37/14 1p945	1
2-Fluoro8henol	3z		27 - 127	75/2p/14 75\$3	75/37/14 1p945	1
Nitrof enbene-d5	61		46 - 127	75/2p/14 75\$3	75/37/14 1p945	1
8-Ter8henyl-d14	z2		60 - 157	75/2p/14 75\$3	75/37/14 1p945	1
Phenol-d5	2z		16 - 127	75/2p/14 75\$3	75/37/14 1p945	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	nD		0\$2	0\$43	mFjKF	*	09j23j74 08:00	09j25j74 70:48	7
E1 B-7227	nD		0\$2	0\$43	mFjKF	*	09j23j74 08:00	09j25j74 70:48	7
E1 B-7232	nD		0\$2	0\$43	mFjKF	*	09j23j74 08:00	09j25j74 70:48	7
E1 B-7242	nD		0\$2	0\$43	mFjKF	*	09j23j74 08:00	09j25j74 70:48	7
PCB-1248	1.5		0\$2	0\$43	mFjKF	*	09j23j74 08:00	09j25j74 70:48	7
PCB-1254	2.2		0\$2	0\$70	mFjKF	*	09j23j74 08:00	09j25j74 70:48	7
PCB-1260	0.63		0\$2	0\$70	mFjKF	*	09j23j74 08:00	09j25j74 70:48	7
E1 B-7262	nD		0\$2	0\$70	mFjKF	*	09j23j74 08:00	09j25j74 70:48	7
E1 B-7268	nD		0\$2	0\$70	mFjKF	*	09j23j74 08:00	09j25j74 70:48	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-B-xylene	122		46 - 105	75/23/14 7z97	75/20/14 1794z	1
DC: Decachlorof i8henyl	166		40 - 106	75/23/14 7z97	75/20/14 1794z	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0061	J	0\$79	0\$096	mFjL		09j25j74 73:79	09j28j74 72:33	7
Barium	0.29	B ^	0\$020	0\$0050	mFjL		09j25j74 73:79	09j28j74 72:33	7
Cadmium	0.0022		0\$020	0\$0090	mFjL		09j25j74 73:79	09j28j74 72:33	7
Chromium	0.0071	B	0\$040	0\$070	mFjL		09j25j74 73:79	09j28j74 72:33	7
Lead	0.0091	J	0\$70	0\$030	mFjL		09j25j74 73:79	09j28j74 72:33	7
Selenium	0.011	J	0\$29	0\$085	mFjL		09j25j74 73:79	09j28j74 72:33	7
Silver	0.0071		0\$060	0\$075	mFjL		09j25j74 73:79	09j28j74 72:33	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	nD		0\$0020	0\$0072	mFjL		09j25j74 77:00	09j28j74 74:00	7

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Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroEtjk ite: n wk D. 1-Tol aNal / a dorFe:k iteg #79254

Client Sample ID: P-1 A-1 4-5

Lab Sample ID: 480-60206-10

Date Collected: 05/19/14 12:00

Matrix: Solid

Date Received: 05/19/14 16:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 yal i/ e, Reactive	nD		70\$	0\$030	mFjKF		09j25j74 23:20	09j28j74 70:32	7
ku@/ e, Reactive	nD		70\$	0\$5	mFjKF		09j25j74 23:20	09j30j74 00:20	7
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		90\$	90\$	DeFrees d			09j25j74 08:4#	7
pH	8.51		0\$00	0\$00	k U			09j22j74 20:0#	7

Client Sample ID: P-1 A-2 0-1

Lab Sample ID: 480-60206-11

Date Collected: 05/19/14 13:30

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,7-Dich@roethel e	nD		0\$70	0\$02#	mFjL			09j28j74 02:70	70
7,2-Dich@roethal e	nD		0\$70	0\$027	mFjL			09j28j74 02:70	70
2-Butal ol e (M. K)	nD		0\$90	0\$73	mFjL			09j28j74 02:70	70
Bel zel e	nD		0\$70	0\$047	mFjL			09j28j74 02:70	70
1 arbol tetrach@ri/ e	nD		0\$70	0\$025	mFjL			09j28j74 02:70	70
1 h@robel zel e	nD		0\$70	0\$059	mFjL			09j28j74 02:70	70
1 h@roform	nD		0\$70	0\$034	mFjL			09j28j74 02:70	70
Tetrach@roethel e	nD		0\$70	0\$036	mFjL			09j28j74 02:70	70
Trich@roethel e	nD		0\$70	0\$046	mFjL			09j28j74 02:70	70
Vil y@ch@ri/ e	nD		0\$70	0\$0#0	mFjL			09j28j74 02:70	70
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		66 - 130					75/2z/14 729f7	17
4-: roB ortuorof enbene (Surr)	170		03 - 127					75/2z/14 729f7	17
Toluene-dz (Surr)	170		01 - 126					75/2z/14 729f7	17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-Dich@robel zel e	nD		0\$70	0\$0046	mFjL		09j2#j74 09:93	09j30j74 20:70	7
2,4-Dil itroto@el e	nD		0\$090	0\$0049	mFjL		09j2#j74 09:93	09j30j74 20:70	7
Hexach@robel zel e	nD		0\$090	0\$0097	mFjL		09j2#j74 09:93	09j30j74 20:70	7
Hexach@robuta/ iel e	nD		0\$090	0\$0068	mFjL		09j2#j74 09:93	09j30j74 20:70	7
Hexach@roethal e	nD		0\$090	0\$009#	mFjL		09j2#j74 09:93	09j30j74 20:70	7
3-Methylphenol	0.011		0\$70	0\$0040	mFjL		09j2#j74 09:93	09j30j74 20:70	7
2-Methylphenol	0.0036 J		0\$090	0\$0040	mFjL		09j2#j74 09:93	09j30j74 20:70	7
4-Methylphenol	0.011		0\$70	0\$0036	mFjL		09j2#j74 09:93	09j30j74 20:70	7
n itrobel zel e	nD		0\$090	0\$002#	mFjL		09j2#j74 09:93	09j30j74 20:70	7
Eel tach@rophel oC	nD		0\$70	0\$022	mFjL		09j2#j74 09:93	09j30j74 20:70	7
Eyri/ il e	nD		0\$29	0\$0047	mFjL		09j2#j74 09:93	09j30j74 20:70	7
2,4,9-Trich@rophel oC	nD		0\$090	0\$0048	mFjL		09j2#j74 09:93	09j30j74 20:70	7
2,4,6-Trich@rophel oC	nD		0\$090	0\$0067	mFjL		09j2#j74 09:93	09j30j74 20:70	7
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Trif roB o8henol	176		52 - 132				75/2p/14 75\$3	75/37/14 279f7	1
2-Fluorof i8henyl	z3		4z - 127				75/2p/14 75\$3	75/37/14 279f7	1
2-Fluoro8henol	40		27 - 127				75/2p/14 75\$3	75/37/14 279f7	1
Nitrof enbene-d5	0z		46 - 127				75/2p/14 75\$3	75/37/14 279f7	1
8-Ter8henyl-d14	zp		60 - 157				75/2p/14 75\$3	75/37/14 279f7	1

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Client Sample Results

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TestAmerica Job ID: 480-60206-7

Er0ctjk ite: n wk D. 1-Tol aNaI / a dorFe:k iteg #79254

Client Sample ID: P-1 A-2 0-1

Lab Sample ID: 480-60206-11

Date Collected: 05/19/14 13:30

Matrix: Solid

Date Received: 05/19/14 16:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	32		16 - 127	75/2p/14 75953	75/37/14 27917	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	n D		0\$4	0\$46	mFjKF	*	09j23j74 08:00	09j25j74 77:03	7
E1 B-7227	n D		0\$4	0\$46	mFjKF	*	09j23j74 08:00	09j25j74 77:03	7
E1 B-7232	n D		0\$4	0\$46	mFjKF	*	09j23j74 08:00	09j25j74 77:03	7
E1 B-7242	n D		0\$4	0\$46	mFjKF	*	09j23j74 08:00	09j25j74 77:03	7
E1 B-7248	n D		0\$4	0\$46	mFjKF	*	09j23j74 08:00	09j25j74 77:03	7
PCB-1254	0.11	J	0\$4	0\$7	mFjKF	*	09j23j74 08:00	09j25j74 77:03	7
E1 B-7260	n D		0\$4	0\$7	mFjKF	*	09j23j74 08:00	09j25j74 77:03	7
E1 B-7262	n D		0\$4	0\$7	mFjKF	*	09j23j74 08:00	09j25j74 77:03	7
E1 B-7268	n D		0\$4	0\$7	mFjKF	*	09j23j74 08:00	09j25j74 77:03	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-B-xylene	130		46 - 105	75/23/14 7z977	75/20/14 11973	1
DC: Decachlorof i8henyl	141		40 - 106	75/23/14 7z977	75/20/14 11973	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsel ic	n D		0\$79	0\$096	mFjL	-	09j25j74 73:79	06j03j74 27:05	7
Barium	0.31		0\$020	0\$0050	mFjL	-	09j25j74 73:79	06j03j74 27:05	7
Cadmium	0.0013	J	0\$020	0\$0090	mFjL	-	09j25j74 73:79	06j03j74 27:05	7
Chromium	0.010		0\$040	0\$070	mFjL	-	09j25j74 73:79	06j03j74 27:05	7
Lead	0.0068	J	0\$70	0\$030	mFjL	-	09j25j74 73:79	06j03j74 27:05	7
Selenium	0.021	J	0\$29	0\$085	mFjL	-	09j25j74 73:79	06j03j74 27:05	7
ki0er	n D		0\$060	0\$075	mFjL	-	09j25j74 73:79	06j03j74 27:05	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	n D		0\$0020	0\$0072	mFjL	-	09j25j74 77:00	09j28j74 73:24	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 yal i/ e, Reactive	n D		70\$	0\$030	mFjKF	-	09j25j74 23:20	09j28j74 70:32	7
ku0/ e, Reactive	n D		70\$	0\$5	mFjKF	-	09j25j74 23:20	09j30j74 00:20	7
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		90\$	90\$	DeFrees d	-		09j25j74 08:4#	7
pH	11.3		0\$700	0\$700	k U	-		09j22j74 20:0#	7

Client Sample ID: P-1 A-2 4-5

Lab Sample ID: 480-60206-12

Date Collected: 05/19/14 13:25

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0029	J	0\$70	0\$02#	mFjL	-		09j28j74 02:33	70
7,2-Dich0roethal e	n D		0\$70	0\$027	mFjL	-		09j28j74 02:33	70
2-Butal ol e (M. K)	n D		0\$90	0\$73	mFjL	-		09j28j74 02:33	70
Bel zel e	n D		0\$70	0\$047	mFjL	-		09j28j74 02:33	70

TestAmerica Buffa0

Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1-Tol aNal / a dorFe:k iteg #79254

Client Sample ID: P-1 A-2 4-5

Lab Sample ID: 480-60206-12

Date Collected: 05/19/14 13:25

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1arbol tetrachOri/ e	nD		0\$70	0\$025	mFjL			09j28j74 02:33	70
1hObel zel e	nD		0\$70	0\$059	mFjL			09j28j74 02:33	70
1hOroform	nD		0\$70	0\$034	mFjL			09j28j74 02:33	70
TetrachOroethel e	nD		0\$70	0\$036	mFjL			09j28j74 02:33	70
TrichOroethel e	nD		0\$70	0\$046	mFjL			09j28j74 02:33	70
Vil yChOri/ e	nD		0\$70	0\$0#0	mFjL			09j28j74 02:33	70

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	173		66 - 130		75/2z/14 72\$3	17
4-: roB oruorof enbene (Surr)	p4		03 - 127		75/2z/14 72\$3	17
Toluene-dz (Surr)	p4		01 - 126		75/2z/14 72\$3	17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-DichObel zel e	nD		0\$70	0\$0046	mFjL		09j2#j74 09:93	09j30j74 20:39	7
2,4-Dil itrotoOel e	nD		0\$090	0\$0049	mFjL		09j2#j74 09:93	09j30j74 20:39	7
HexachObel zel e	nD		0\$090	0\$0097	mFjL		09j2#j74 09:93	09j30j74 20:39	7
HexachOrobuta/ iel e	nD		0\$090	0\$0068	mFjL		09j2#j74 09:93	09j30j74 20:39	7
HexachOroethal e	nD		0\$090	0\$009#	mFjL		09j2#j74 09:93	09j30j74 20:39	7
3-MethyPhel oC	nD		0\$70	0\$0040	mFjL		09j2#j74 09:93	09j30j74 20:39	7
2-MethyPhel oC	nD		0\$090	0\$0040	mFjL		09j2#j74 09:93	09j30j74 20:39	7
4-MethyPhel oC	nD		0\$70	0\$0036	mFjL		09j2#j74 09:93	09j30j74 20:39	7
nitobel zel e	nD		0\$090	0\$002#	mFjL		09j2#j74 09:93	09j30j74 20:39	7
Eel tachOrophel oC	nD		0\$70	0\$022	mFjL		09j2#j74 09:93	09j30j74 20:39	7
Eyri/ il e	nD		0\$29	0\$0047	mFjL		09j2#j74 09:93	09j30j74 20:39	7
2,4,9-TrichOrophel oC	nD		0\$090	0\$0048	mFjL		09j2#j74 09:93	09j30j74 20:39	7
2,4,6-TrichOrophel oC	nD		0\$090	0\$0067	mFjL		09j2#j74 09:93	09j30j74 20:39	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Trif roB o\$henol	171		52 - 132	75/2p/14 75\$3	75/37/14 27\$5	1
2-Fluorof i\$henyl	05		4z - 127	75/2p/14 75\$3	75/37/14 27\$5	1
2-Fluoro\$henol	47		27 - 127	75/2p/14 75\$3	75/37/14 27\$5	1
Nitrof enbene-d5	01		46 - 127	75/2p/14 75\$3	75/37/14 27\$5	1
8-Ter\$henyl-d14	z3		60 - 157	75/2p/14 75\$3	75/37/14 27\$5	1
Phenol-d5	2z		16 - 127	75/2p/14 75\$3	75/37/14 27\$5	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	nD		0\$22	0\$42	mFjKF	☆	09j23j74 08:00	09j25j74 77:78	7
E1 B-7227	nD		0\$22	0\$42	mFjKF	☆	09j23j74 08:00	09j25j74 77:78	7
E1 B-7232	nD		0\$22	0\$42	mFjKF	☆	09j23j74 08:00	09j25j74 77:78	7
E1 B-7242	nD		0\$22	0\$42	mFjKF	☆	09j23j74 08:00	09j25j74 77:78	7
E1 B-7248	nD		0\$22	0\$42	mFjKF	☆	09j23j74 08:00	09j25j74 77:78	7
PCB-1254	0.16	J	0\$22	0\$70	mFjKF	☆	09j23j74 08:00	09j25j74 77:78	7
E1 B-7260	nD		0\$22	0\$70	mFjKF	☆	09j23j74 08:00	09j25j74 77:78	7
E1 B-7262	nD		0\$22	0\$70	mFjKF	☆	09j23j74 08:00	09j25j74 77:78	7
E1 B-7268	nD		0\$22	0\$70	mFjKF	☆	09j23j74 08:00	09j25j74 77:78	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-B-xylene	122		46 - 105	75/23/14 7z\$7	75/20/14 119lz	1
DC: Decachlorof i\$henyl	137		40 - 106	75/23/14 7z\$7	75/20/14 119lz	1

TestAmerica BuffaO

Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Client Sample ID: P-1 A-2 4-5

Lab Sample ID: 480-60206-12

Date Collected: 05/19/14 13:25

Matrix: Solid

Date Received: 05/19/14 16:50

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0071	J	0.079	0.0096	mFJL		09j25j74 73:79	09j28j74 72:36	7
Barium	0.19	B ^	0.020	0.0050	mFJL		09j25j74 73:79	09j28j74 72:36	7
1 a/ mium	nD		0.020	0.0090	mFJL		09j25j74 73:79	09j28j74 72:36	7
Chromium	0.0028	J B	0.040	0.0070	mFJL		09j25j74 73:79	09j28j74 72:36	7
Lead	0.0035	J	0.070	0.0030	mFJL		09j25j74 73:79	09j28j74 72:36	7
Selenium	0.014	J	0.029	0.0085	mFJL		09j25j74 73:79	09j28j74 72:36	7
kiQer	nD		0.060	0.0075	mFJL		09j25j74 73:79	09j28j74 72:36	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	nD		0.0020	0.00072	mFJL		09j25j74 77:00	09j28j74 74:02	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 yal i/ e, Reactive	nD		70.0	0.0030	mFJKF		09j25j74 23:20	09j28j74 70:32	7
k uQ/ e, Reactive	nD		70.0	0.05	mFJKF		09j25j74 23:20	09j30j74 00:20	7
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		90.0	90.0	DeFrees d			09j25j74 08:4#	7
pH	8.53		0.00	0.00	k U			09j22j74 20:0#	7

Client Sample ID: P-1 B-2 0-1

Lab Sample ID: 480-60206-13

Date Collected: 05/19/14 13:50

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,7-DichOroethel e	nD		0.070	0.002#	mFJL			09j28j74 02:96	70
7,2-DichOroethal e	nD		0.070	0.0027	mFJL			09j28j74 02:96	70
2-Butal ol e (M. K)	nD		0.090	0.073	mFJL			09j28j74 02:96	70
Bel zel e	nD		0.070	0.0047	mFJL			09j28j74 02:96	70
1 arbol tetrachOri/ e	nD		0.070	0.0025	mFJL			09j28j74 02:96	70
1 hOrobel zel e	nD		0.070	0.0059	mFJL			09j28j74 02:96	70
1 hOroform	nD		0.070	0.0034	mFJL			09j28j74 02:96	70
TetrachOroethel e	nD		0.070	0.0036	mFJL			09j28j74 02:96	70
TrichOroethel e	nD		0.070	0.0046	mFJL			09j28j74 02:96	70
Vil yChOri/ e	nD		0.070	0.00#0	mFJL			09j28j74 02:96	70
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	175		66 - 130					75/2z/14 72:56	17
4-: roB orfluorof enbene (Surr)	zp		03 - 127					75/2z/14 72:56	17
Toluene-dz (Surr)	p3		01 - 126					75/2z/14 72:56	17

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7,4-DichOrobel zel e	nD		0.070	0.00046	mFJL		09j2#j74 09:93	09j30j74 20:9#	7
2,4-Dil itrotoQel e	nD		0.090	0.00049	mFJL		09j2#j74 09:93	09j30j74 20:9#	7
HexachOrobel zel e	nD		0.090	0.00097	mFJL		09j2#j74 09:93	09j30j74 20:9#	7
HexachOrobuta/ iel e	nD		0.090	0.00068	mFJL		09j2#j74 09:93	09j30j74 20:9#	7
HexachOroethal e	nD		0.090	0.0009#	mFJL		09j2#j74 09:93	09j30j74 20:9#	7
3-MethyQhel oC	nD		0.070	0.00040	mFJL		09j2#j74 09:93	09j30j74 20:9#	7

TestAmerica BuffaQ

Client Sample Results

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TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1-Tol aNal / a dorFe:k iteg #79254

Client Sample ID: P-1 B-2 0-1

Lab Sample ID: 480-60206-13

Date Collected: 05/19/14 13:50

Matrix: Solid

Date Received: 05/19/14 16:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methyphenel oC	nD		0\$090	0\$0040	mFjL		09j2#j74 09:93	09j30j74 20:9#	7
4-Methyphenel oC	nD		0\$070	0\$0036	mFjL		09j2#j74 09:93	09j30j74 20:9#	7
nitrobel zel e	nD		0\$090	0\$002#	mFjL		09j2#j74 09:93	09j30j74 20:9#	7
Eel tachOrophel oC	nD		0\$070	0\$022	mFjL		09j2#j74 09:93	09j30j74 20:9#	7
Eyri/ il e	nD		0\$029	0\$0047	mFjL		09j2#j74 09:93	09j30j74 20:9#	7
2,4,9-TrichOrophel oC	nD		0\$090	0\$0048	mFjL		09j2#j74 09:93	09j30j74 20:9#	7
2,4,6-TrichOrophel oC	nD		0\$090	0\$0067	mFjL		09j2#j74 09:93	09j30j74 20:9#	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Trif roBo8henol	177		52 - 132	75/2p/14 75\$3	75/37/14 27\$5p	1
2-Fluorof i8henyl	z2		4z - 127	75/2p/14 75\$3	75/37/14 27\$5p	1
2-Fluoro8henol	40		27 - 127	75/2p/14 75\$3	75/37/14 27\$5p	1
Nitrof enbene-d5	06		46 - 127	75/2p/14 75\$3	75/37/14 27\$5p	1
8-Ter8henyl-d14	z0		60 - 157	75/2p/14 75\$3	75/37/14 27\$5p	1
Phenol-d5	32		16 - 127	75/2p/14 75\$3	75/37/14 27\$5p	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
E1 B-7076	nD		0\$6	0\$90	mFjKF	*	09j23j74 08:00	09j25j74 77:32	7
E1 B-7227	nD		0\$6	0\$90	mFjKF	*	09j23j74 08:00	09j25j74 77:32	7
E1 B-7232	nD		0\$6	0\$90	mFjKF	*	09j23j74 08:00	09j25j74 77:32	7
E1 B-7242	nD		0\$6	0\$90	mFjKF	*	09j23j74 08:00	09j25j74 77:32	7
PCB-1248	2.4		0\$6	0\$90	mFjKF	*	09j23j74 08:00	09j25j74 77:32	7
PCB-1254	3.0		0\$6	0\$2	mFjKF	*	09j23j74 08:00	09j25j74 77:32	7
PCB-1260	2.9		0\$6	0\$2	mFjKF	*	09j23j74 08:00	09j25j74 77:32	7
E1 B-7262	nD		0\$6	0\$2	mFjKF	*	09j23j74 08:00	09j25j74 77:32	7
E1 B-7268	nD		0\$6	0\$2	mFjKF	*	09j23j74 08:00	09j25j74 77:32	7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-B-xylene	124		46 - 105	75/23/14 7z\$7	75/20/14 11\$2	1
DC: Decachlorof i8henyl	213	X	40 - 106	75/23/14 7z\$7	75/20/14 11\$2	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsel ic	nD		0\$79	0\$096	mFjL		09j25j74 73:79	09j28j74 73:2#	7
Barium	0.65	B	0\$020	0\$0050	mFjL		09j25j74 73:79	09j28j74 73:2#	7
Cadmium	0.024		0\$020	0\$0090	mFjL		09j25j74 73:79	09j28j74 73:2#	7
Chromium	0.0087		0\$040	0\$070	mFjL		09j25j74 73:79	09j28j74 73:2#	7
Lead	0.051		0\$70	0\$030	mFjL		09j25j74 73:79	09j28j74 73:2#	7
Selenium	0.023	J	0\$29	0\$085	mFjL		09j25j74 73:79	09j28j74 73:2#	7
kiQer	nD		0\$060	0\$075	mFjL		09j25j74 73:79	09j28j74 73:2#	7

Method: 7470A_ASP - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	nD		0\$0020	0\$0072	mFjL		09j25j74 77:00	09j28j74 73:34	7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 yal i/ e, Reactive	nD		70\$	0\$030	mFjKF		09j25j74 23:20	09j28j74 70:32	7
kuQ/ e, Reactive	nD		70\$	0\$5	mFjKF		09j25j74 23:20	09j30j74 00:20	7

TestAmerica BuffaQ

Client Sample Results

1 Client Sample ID: P-1 B-2 0-1

2 Date Collected: 05/19/14 13:50

TestAmerica Job ID: 480-60206-7

3 Client Sample ID: P-1 B-2 0-1

Lab Sample ID: 480-60206-13

4 Date Collected: 05/19/14 13:50

Matrix: Solid

5 Date Received: 05/19/14 16:50

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		900	900	DeFrees d			09j25j74 08:4#	7
pH	8.72		000	000	k U			09j22j74 20:0#	7

Surrogate Summary

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TestAmerica Job ID: 480-60206-7

EroEctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	BFB (73-120)	TOL (71-126)
31 k 480-78L#85j4	3ab 1 ol troCk amp@	774	707	708
31 k 480-784228j6	3ab 1 ol troCk amp@	70#	#L	#9
u M480-78L#85j6	u etBo/ MAl Y	724	#0	702
u M480-784228j8	u etBo/ MAl Y	709	#7	#2
Surrogate Legend				
72D1 . h 7-2-DicB@roetBal e-/ 4 ,k (rr)				
MdMh 4-Mromof@orobel zel e ,k (rr)				
TO3 h ToC el e-/ 8 ,k (rr)				

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

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	BFB (73-120)	TOL (71-126)
480-60206-7	E-7 D-7 0-7	725	86	700
480-60206-7 u k	E-7 D-7 0-7	774	707	708
480-60206-7 u k D	E-7 D-7 0-7	779	##	706
480-60206-2	E-7 D-7 5-8	724	88	700
480-60206-L	E-7 D-7 74-79	728	#0	707
480-60206-4	E-7 1-7 0-7	7L7	88	700
480-60206-9	E-7 1-7 9-6	725	88	707
480-60206-6	E-7 1-7 74-79	72#	#7	707
480-60206-5	E-7 M-7 0-7	72#	8#	700
480-60206-8	E-7 M-7 4-9	726	8#	707
480-60206-#	E-7 A-7 0-7	728	85	##
480-60206-70	E-7 A-7 4-9	729	#7	707
480-60206-77	E-7 A-2 0-7	774	705	705
480-60206-72	E-7 A-2 4-9	70L	#4	#4
480-60206-7L	E-7 M-2 0-7	709	8#	#L
3M480-78L84Lj7-A	u etBo/ MAl Y	72L	#0	702
3M480-784044j7-A	u etBo/ MAl Y	70#	#9	#4
Surrogate Legend				
72D1 . h 7-2-DicB@roetBal e-/ 4 ,k (rr)				
MdMh 4-Mromof@orobel zel e ,k (rr)				
TO3 h ToC el e-/ 8 ,k (rr)				

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-132)	FBP (48-120)	2FP (20-120)	NBZ (46-120)	TPH (67-150)	PHL (16-120)
31 k 480-78490#j2-A	3ab 1 ol troCk amp@	#4	87	90	5#	89	L4
31 k D 480-78490#jL-A	3ab 1 ol troCk amp@ D(p	#5	58	45	59	89	L7
u M480-78490#j7-A	u etBo/ MAl Y	88	84	40	5#	88	26
Surrogate Legend							

TestAmerica M ffa@

Surrogate Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

TME h 2-4-6-TribromopBel oC
dME h 2-dCcorobipBel yC
2dE h 2-dCcoropBel oC
nMZ h nitrobel zel e-/ 9
TEH h p-TerpBel yG/ 74
EH3 h EBel oG/ 9

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

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-132)	FBP (48-120)	2FP (20-120)	NBZ (46-120)	TPH (67-150)	PHL (16-120)
480-60206-7	E-7 D-7 0-7	772	84	4#	84	88	L4
480-60206-2	E-7 D-7 5-8	705	58	46	56	87	L2
480-60206-L	E-7 D-7 74-79	706	58	49	55	84	L7
480-60206-4	E-7 1-7 0-7	700	54	44	54	59	L0
480-60206-9	E-7 1-7 9-6	#5	55	45	58	56	L7
480-60206-6	E-7 1-7 74-79	#9	6#	40	6#	87	25
480-60206-5	E-7 M-7 0-7	##	68	L#	68	58	25
480-60206-8	E-7 M-7 4-9	#7	6L	L9	62	58	24
480-60206-#	E-7 A-7 0-7	702	54	40	54	89	2#
480-60206-70	E-7 A-7 4-9	#L	65	L8	67	82	28
480-60206-77	E-7 A-2 0-7	706	8L	45	58	8#	L2
480-60206-72	E-7 A-2 4-9	707	59	40	57	8L	28
480-60206-7L	E-7 M-2 0-7	700	82	45	56	85	L2
3M480-78L88#j7-D	u etBo/ MAl Y	#9	54	4L	5L	89	2#
3M2 480-784042j7-D	u etBo/ MAl Y	66	9L	L2	99	95 X	27

Surrogate Legend

TME h 2-4-6-TribromopBel oC
dME h 2-dCcorobipBel yC
2dE h 2-dCcoropBel oC
nMZ h nitrobel zel e-/ 9
TEH h p-TerpBel yG/ 74
EH3 h EBel oG/ 9

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX2 (46-175)	DCB2 (47-176)
480-60206-7	E-7 D-7 0-7	748	2LL X
480-60206-7 u k	E-7 D-7 0-7	759	290 X
480-60206-7 u k D	E-7 D-7 0-7	796	7#6 X
480-60206-2	E-7 D-7 5-8	798	240 X
480-60206-L	E-7 D-7 74-79	702	778
480-60206-4	E-7 1-7 0-7	775	799
480-60206-9	E-7 1-7 9-6	70#	728
480-60206-6	E-7 1-7 74-79	776	224 X
480-60206-5	E-7 M-7 0-7	706	722
480-60206-8	E-7 M-7 4-9	724	795
480-60206-#	E-7 A-7 0-7	706	52
480-60206-70	E-7 A-7 4-9	722	766

TestAmerica M ffa

Surrogate Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroPctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	TCX2 (46-175)	DCB2 (47-176)
480-60206-77	E-7 A-2 0-7	7L5	747
480-60206-72	E-7 A-2 4-9	722	7L0
480-60206-7L	E-7 M-2 0-7	724	27L X
31 k 480-78L5L0j2-A	3ab 1 ol troCk amp@	777	724
u M480-78L5L0j7-A	u etBo/ M@l Y	704	709

Surrogate Legend

T1 X h TetracB@ro-m-xy@l e

D1 Mh D1 MDecacB@robipBel yC

QC Sample Results

1001: nEN work rate DS S

TestAmerica Job ID: 480-60206-7

Report Date: 10/1/2014 / a dorFe: k iteg #79254

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

Lab Sample ID: MB 480-189x8P/6

Matrix: Solid

Analysis Batch: 189x8P

Client Sample ID: Method Blank

Rep Ape: Aotal/Fz

z nalyte	MB Result	MB Qualifier	RL	MDL	%nit	D	Nrepared	z nalyfed	Dil Uac
7,7-Dichloroethel e	nD		0.070	0.002#	mFjL			09j24j74 73:73	7
7,2-Dichloroethal e	nD		0.070	0.0027	mFjL			09j24j74 73:73	7
2-Butal ol e (M. K)	nD		0.090	0.073	mFjL			09j24j74 73:73	7
Bel zel e	nD		0.070	0.0047	mFjL			09j24j74 73:73	7
1 arbol tetrachlori/ e	nD		0.070	0.0025	mFjL			09j24j74 73:73	7
1 hchlorobel zel e	nD		0.070	0.0059	mFjL			09j24j74 73:73	7
1 hchloroform	nD		0.070	0.0034	mFjL			09j24j74 73:73	7
Tetrachloroethel e	nD		0.070	0.0036	mFjL			09j24j74 73:73	7
Trichloroethel e	nD		0.070	0.0046	mFjL			09j24j74 73:73	7
Vil ychlori/ e	nD		0.070	0.00#0	mFjL			09j24j74 73:73	7

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	124		00 - 163		75/24/14 16916	1
4-Bromofluorobenzene (Surr)	: 7		36 - 127		75/24/14 16916	1
Toluene-d8 (Surr)	172		31 - 120		75/24/14 16916	1

Lab Sample ID: LCS 480-189x8P/4

Matrix: Solid

Analysis Batch: 189x8P

Client Sample ID: Lab Control Sample

Rep Ape: Aotal/Fz

z nalyte	Spike z dded	LCS Result	LCS Qualifier	%nit	D	7 Rec	7 Rec Limits
7,7-Dichloroethel e	0.290	0.293		mFjL		707	98 - 727
7,2-Dichloroethal e	0.290	0.287		mFjL		772	59 - 725
Bel zel e	0.290	0.298		mFjL		703	57 - 724
1 hchlorobel zel e	0.290	0.263		mFjL		709	52 - 720
Tetrachloroethel e	0.290	0.298		mFjL		703	54 - 722
Trichloroethel e	0.290	0.26#		mFjL		708	54 - 723

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	114		00 - 163
4-Bromofluorobenzene (Surr)	171		36 - 127
Toluene-d8 (Surr)	178		31 - 120

Lab Sample ID: MB 480-184228/8

Matrix: Solid

Analysis Batch: 184228

Client Sample ID: Method Blank

Rep Ape: Aotal/Fz

z nalyte	MB Result	MB Qualifier	RL	MDL	%nit	D	Nrepared	z nalyfed	Dil Uac
7,7-Dichloroethel e	nD		0.070	0.002#	mFjL			09j25j74 7#:2#	7
7,2-Dichloroethal e	nD		0.070	0.0027	mFjL			09j25j74 7#:2#	7
2-Butal ol e (M. K)	nD		0.090	0.073	mFjL			09j25j74 7#:2#	7
Bel zel e	nD		0.070	0.0047	mFjL			09j25j74 7#:2#	7
1 arbol tetrachlori/ e	nD		0.070	0.0025	mFjL			09j25j74 7#:2#	7
1 hchlorobel zel e	nD		0.070	0.0059	mFjL			09j25j74 7#:2#	7
1 hchloroform	nD		0.070	0.0034	mFjL			09j25j74 7#:2#	7
Tetrachloroethel e	nD		0.070	0.0036	mFjL			09j25j74 7#:2#	7
Trichloroethel e	nD		0.070	0.0046	mFjL			09j25j74 7#:2#	7

TestAmerica Buffalo

QC Sample Results

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctj k ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

Method: 8260C - Volatile Organic Compounds by GC/MS)Continued5

Lab Sample ID: MB 480-184228/8

MatriT: Solid

z nalysis Batch: 184228

Client Sample ID: Method Blank

Nrep Aype: Aotal/Fz

z nalyte	MB Result	MB Quali.ier	RL	MDL	%nit	D	Nprepared	z nalyfed	Dil Uac
Vil yChQri/ e	n D		0\$070	0\$00#0	mFjL			09j25j74 7#:2#	7
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	175		00 - 163		75/23/14 1: 2:	1			
4-Bromofluorobenzene (Surr)	: 1		36 - 127		75/23/14 1: 2:	1			
Toluene-d8 (Surr)	: 2		31 - 120		75/23/14 1: 2:	1			

Lab Sample ID: LCS 480-184228/6

MatriT: Solid

z nalysis Batch: 184228

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

z nalyte	Spike z dded	LCS Result	LCS Quali.ier	%nit	D	7 Rec	7 Rec(Limits		
7,7-DichQroethel e	0\$290	0\$228		mFjL		#7	98 - 727		
7,2-DichQroethal e	0\$290	0\$2#6		mFjL		778	59 - 725		
Bel zel e	0\$290	0\$237		mFjL		#2	57 - 724		
1 hQrobel zel e	0\$290	0\$235		mFjL		#9	52 - 720		
TetrachQroethel e	0\$290	0\$22#		mFjL		#2	54 - 722		
TrichQroethel e	0\$290	0\$248		mFjL		##	54 - 723		
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	17:		00 - 163						
4-Bromofluorobenzene (Surr)	: 6		36 - 127						
Toluene-d8 (Surr)	: 5		31 - 120						

Lab Sample ID: LB 480-189849/1-z

MatriT: Solid

z nalysis Batch: 189x8P

Client Sample ID: Method Blank

Nrep Aype: ACLN

z nalyte	LB Result	LB Quali.ier	RL	MDL	%nit	D	Nprepared	z nalyfed	Dil Uac
7,7-DichQroethel e	n D		0\$070	0\$02#	mFjL			09j24j74 75:24	70
7,2-DichQroethal e	n D		0\$070	0\$027	mFjL			09j24j74 75:24	70
2-Butal ol e (M. K)	n D		0\$090	0\$073	mFjL			09j24j74 75:24	70
Bel zel e	n D		0\$070	0\$047	mFjL			09j24j74 75:24	70
1 arbol tetrachQri/ e	n D		0\$070	0\$025	mFjL			09j24j74 75:24	70
1 hQrobel zel e	n D		0\$070	0\$059	mFjL			09j24j74 75:24	70
1 hQroform	n D		0\$070	0\$034	mFjL			09j24j74 75:24	70
TetrachQroethel e	n D		0\$070	0\$036	mFjL			09j24j74 75:24	70
TrichQroethel e	n D		0\$070	0\$046	mFjL			09j24j74 75:24	70
Vil yChQri/ e	n D		0\$070	0\$0#0	mFjL			09j24j74 75:24	70
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	126		00 - 163		75/24/14 1324	17			
4-Bromofluorobenzene (Surr)	: 7		36 - 127		75/24/14 1324	17			
Toluene-d8 (Surr)	172		31 - 120		75/24/14 1324	17			

TestAmerica BuffaQ

QC Sample Results

100% of the work rate DS S

TestAmerica Job ID: 480-60206-7

Report Date: 10/1/2014 / a dorFe:kiteg #79254

Method: 8260C - Volatile Organic Compounds by GC/MS)Continued5

Lab Sample ID: 480-60206-1 MS

Matrix: Solid

Analysis Batch: 189x8P

Client Sample ID: N-1 D-1 0-1

Nrep Aype: ACLN

Sample	Sample	Spike	MS	MS				7 Rec(
Result	Qualifier	Added	Result	Qualifier	%nit	D	7 Rec	Limits
7,7-Dichloroethel e	nD	0.90	0.29		mFJL		#0	98 - 727
7,2-Dichloroethal e	nD	0.90	0.58		mFJL		777	59 - 725
Bel zel e	nD	0.90	0.94		mFJL		702	57 - 724
1 hOrobel zel e	nD	0.90	0.9#		mFJL		703	52 - 720
Tetrachloroethel e	nD	0.90	0.49		mFJL		#8	54 - 722
Trichloroethel e	nD	0.90	0.99		mFJL		702	54 - 723

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	114		00 - 163
4-Bromofluorobenzene (Surr)	171		36 - 127
Toluene-d8 (Surr)	178		31 - 120

Lab Sample ID: 480-60206-1 MSD

Matrix: Solid

Analysis Batch: 189x8P

Client Sample ID: N-1 D-1 0-1

Nrep Aype: ACLN

Sample	Sample	Spike	MSD	MSD				7 Rec(	RND
Result	Qualifier	Added	Result	Qualifier	%nit	D	7 Rec	Limits	Limit
7,7-Dichloroethel e	nD	0.90	0.49		mFJL		#8	98 - 727	8 76
7,2-Dichloroethal e	nD	0.90	0.56		mFJL		770	59 - 725	7 20
Bel zel e	nD	0.90	0.48		mFJL		##	57 - 724	3 73
1 hOrobel zel e	nD	0.90	0.92		mFJL		707	52 - 720	3 29
Tetrachloroethel e	nD	0.90	0.47		mFJL		#6	54 - 722	2 20
Trichloroethel e	nD	0.90	0.97		mFJL		700	54 - 723	7 76

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		00 - 163
4-Bromofluorobenzene (Surr)	::		36 - 127
Toluene-d8 (Surr)	170		31 - 120

Lab Sample ID: LB 480-184044/1-z

Matrix: Solid

Analysis Batch: 184228

Client Sample ID: Method Blank

Nrep Aype: ACLN

Sample	Sample	RL	MDL	%nit	D	Nprepared	z nalyfed	Dil Uac
Result	Qualifier							
7,7-Dichloroethel e	nD	0.70	0.02#	mFJL			09j28j74 07:45	70
7,2-Dichloroethal e	nD	0.70	0.027	mFJL			09j28j74 07:45	70
2-Butal ol e (M. K)	nD	0.90	0.73	mFJL			09j28j74 07:45	70
Bel zel e	nD	0.70	0.047	mFJL			09j28j74 07:45	70
1 arbol tetrachOri/ e	nD	0.70	0.025	mFJL			09j28j74 07:45	70
1 hOrobel zel e	nD	0.70	0.059	mFJL			09j28j74 07:45	70
1 hOroform	nD	0.70	0.034	mFJL			09j28j74 07:45	70
Tetrachloroethel e	nD	0.70	0.036	mFJL			09j28j74 07:45	70
Trichloroethel e	nD	0.70	0.046	mFJL			09j28j74 07:45	70
Vil yChOri/ e	nD	0.70	0.0#0	mFJL			09j28j74 07:45	70

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	17:		00 - 163		75/28/14 7193	17

TestAmerica Buffa

QC Sample Results

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1-Tol aNaI / a dorFe:k iteg #79254

Method: 8260C - Volatile Organic Compounds by GC/MS)Continued5

Lab Sample ID: LB 480-184044/1-z

MatrIT: Solid

z nalysis Batch: 184228

Client Sample ID: Method Blank

Nrep Aype: ACLN

Surrogate	LB LB %Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	: 5	36 - 127		75/28/14 7193	17
Toluene-d8 (Surr)	: 4	31 - 120		75/28/14 7193	17

Method: 82P0D - Semivolatile Organic Compounds)GC/MS5

Lab Sample ID: MB 480-18430x/1-z

MatrIT: Solid

z nalysis Batch: 1846P6

Client Sample ID: Method Blank

Nrep Aype: Aotal/Fz

Nrep Batch: 18430x

z nalyte	MB MB Result Qualifier	RL	MDL	%nit	D	Nprepared	z nalyfed	Dil Uac
7,4-DichOrobel zel e	nD	0\$029	0\$0072	mFjL		09j2#j74 09:93	09j30j74 74:09	7
2,4-Dil itrotoQel e	nD	0\$073	0\$0077	mFjL		09j2#j74 09:93	09j30j74 74:09	7
HexachOrobel zel e	nD	0\$073	0\$0073	mFjL		09j2#j74 09:93	09j30j74 74:09	7
HexachOrobuta/ iel e	nD	0\$073	0\$0075	mFjL		09j2#j74 09:93	09j30j74 74:09	7
HexachOroethal e	nD	0\$073	0\$0079	mFjL		09j2#j74 09:93	09j30j74 74:09	7
3-MethyQhel oC	nD	0\$029	0\$0070	mFjL		09j2#j74 09:93	09j30j74 74:09	7
2-MethyQhel oC	nD	0\$073	0\$0070	mFjL		09j2#j74 09:93	09j30j74 74:09	7
4-MethyQhel oC	nD	0\$029	0\$000#0	mFjL		09j2#j74 09:93	09j30j74 74:09	7
nitobel zel e	nD	0\$073	0\$00053	mFjL		09j2#j74 09:93	09j30j74 74:09	7
Eel tachOrophel oC	nD	0\$029	0\$0099	mFjL		09j2#j74 09:93	09j30j74 74:09	7
Eyri/ il e	nD	0\$063	0\$0070	mFjL		09j2#j74 09:93	09j30j74 74:09	7
2,4,9-TrichOrophel oC	nD	0\$073	0\$0072	mFjL		09j2#j74 09:93	09j30j74 74:09	7
2,4,6-TrichOrophel oC	nD	0\$073	0\$0079	mFjL		09j2#j74 09:93	09j30j74 74:09	7

Surrogate	MB MB %Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	88	52 - 162	75/2: /14 75\$6	75/67/14 14975	1
2-Fluorobiphenyl	84	48 - 127	75/2: /14 75\$6	75/67/14 14975	1
2-Fluorophenol	47	27 - 127	75/2: /14 75\$6	75/67/14 14975	1
Nitrobenzene-d5	3:	40 - 127	75/2: /14 75\$6	75/67/14 14975	1
p-Terphenyl-d14	88	03 - 157	75/2: /14 75\$6	75/67/14 14975	1
Phenol-d5	20	10 - 127	75/2: /14 75\$6	75/67/14 14975	1

Lab Sample ID: LCS 480-18430x/2-z

MatrIT: Solid

z nalysis Batch: 1846P6

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

Nrep Batch: 18430x

z nalyte	Spike z dded	LCS LCS Result Qualifier	%nit	D	7 Rec	7 Rec(Limits
7,4-DichOrobel zel e	0\$900	0\$2#4	mFjL		9#	32 - 720
2,4-Dil itrotoQel e	0\$900	0\$4#7	mFjL		#8	69 - 794
HexachOroethal e	0\$900	0\$260	mFjL		92	74 - 707
Eel tachOrophel oC	0\$700	0\$#98	mFjL		#6	3# - 736

Surrogate	LCS LCS %Recovery Qualifier	Limits
2,4,0-Tribromophenol	: 4	52 - 162
2-Fluorobiphenyl	81	48 - 127
2-Fluorophenol	57	27 - 127
Nitrobenzene-d5	3:	40 - 127

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QC Sample Results

1001: nEN worYk tate DS S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Method: 82P0D - Semivolatile Organic Compounds)GC/MS5)Continued5

Lab Sample ID: LCS 480-18430x/2-z

MatriT: Solid

z nalysis Batch: 1846P6

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

Nrep Batch: 18430x

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl-d14	85		03 - 157
Phenol-d5	64		10 - 127

Lab Sample ID: LCSD 480-18430x/9-z

MatriT: Solid

z nalysis Batch: 1846P6

Client Sample ID: Lab Control Sample Dup

Nrep Aype: Aotal/Fz

Nrep Batch: 18430x

z nalyte	Spike z dded	LCSD Result	LCSD Qualifier	%nit	D	7 Rec	7 Rec Limits	RND	RND Limit
7,4-Dich@robel zel e	0\$900	0\$256		mFjL		99	32 - 720	6	36
2,4-Dil itroto@el e	0\$900	0\$486		mFjL		#5	69 - 794	7	20
Hexach@roethal e	0\$900	0\$257		mFjL		94	74 - 707	4	46
Eel tach@rophel oC	0\$700	0\$#3#		mFjL		#4	3# - 736	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,0-Tribromophenol	: 3		52 - 162
2-Fluorobiphenyl	38		48 - 127
2-Fluorophenol	43		27 - 127
Nitrobenzene-d5	35		40 - 127
p-Terphenyl-d14	85		03 - 157
Phenol-d5	61		10 - 127

Lab Sample ID: LB 480-18988x/1-D

MatriT: Solid

z nalysis Batch: 1846P6

Client Sample ID: Method Blank

Nrep Aype: ACLN

Nrep Batch: 18430x

z nalyte	LB Result	LB Qualifier	RL	MDL	%nit	D	Nprepared	z nalyfed	Dil Uac
7,4-Dich@robel zel e	nD		0\$70	0\$0046	mFjL		09j2#j74 09:93	09j30j74 79:43	7
2,4-Dil itroto@el e	nD		0\$090	0\$0049	mFjL		09j2#j74 09:93	09j30j74 79:43	7
Hexach@robel zel e	nD		0\$090	0\$0097	mFjL		09j2#j74 09:93	09j30j74 79:43	7
Hexach@robuta/ iel e	nD		0\$090	0\$0068	mFjL		09j2#j74 09:93	09j30j74 79:43	7
Hexach@roethal e	nD		0\$090	0\$009#	mFjL		09j2#j74 09:93	09j30j74 79:43	7
3-Methy@hel oC	nD		0\$70	0\$0040	mFjL		09j2#j74 09:93	09j30j74 79:43	7
2-Methy@hel oC	nD		0\$090	0\$0040	mFjL		09j2#j74 09:93	09j30j74 79:43	7
4-Methy@hel oC	nD		0\$70	0\$0036	mFjL		09j2#j74 09:93	09j30j74 79:43	7
nitrobel zel e	nD		0\$090	0\$002#	mFjL		09j2#j74 09:93	09j30j74 79:43	7
Eel tach@rophel oC	nD		0\$70	0\$022	mFjL		09j2#j74 09:93	09j30j74 79:43	7
Eyri/ il e	nD		0\$29	0\$0047	mFjL		09j2#j74 09:93	09j30j74 79:43	7
2,4,9-Trich@rophel oC	nD		0\$090	0\$0048	mFjL		09j2#j74 09:93	09j30j74 79:43	7
2,4,6-Trich@rophel oC	nD		0\$090	0\$0067	mFjL		09j2#j74 09:93	09j30j74 79:43	7

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	: 5		52 - 162	75/2: /14 75\$6	75/67/14 159\$6	1
2-Fluorobiphenyl	34		48 - 127	75/2: /14 75\$6	75/67/14 159\$6	1
2-Fluorophenol	46		27 - 127	75/2: /14 75\$6	75/67/14 159\$6	1
Nitrobenzene-d5	36		40 - 127	75/2: /14 75\$6	75/67/14 159\$6	1
p-Terphenyl-d14	85		03 - 157	75/2: /14 75\$6	75/67/14 159\$6	1
Phenol-d5	2:		10 - 127	75/2: /14 75\$6	75/67/14 159\$6	1

TestAmerica Buffa@

QC Sample Results

100% of the work is done by DS S

TestAmerica Job ID: 480-60206-7

Reported by: nwk D. 1-Tol aNaI / a dorFe:k iteg #79254

Method: 82P0D - Semivolatile Organic Compounds)GC/MS5)Continued5

Lab Sample ID: LB2 480-184042/1-D

Matrix: Solid

Analysis Batch: 1846P6

Client Sample ID: Method Blank

Nrep Aype: ACLN

Nrep Batch: 18430x

z nalyte	LB2 Result	LB2 Qualifier	RL	MDL	%nit	D	Nprepared	z nalyfed	Dil Uac
7,4-Dichlorobenzene	nD		0.070	0.00046	mFJL		09j2#j74 09:93	09j30j74 79:78	7
2,4-Dinitrobenzene	nD		0.090	0.00049	mFJL		09j2#j74 09:93	09j30j74 79:78	7
Hexachlorobenzene	nD		0.090	0.00097	mFJL		09j2#j74 09:93	09j30j74 79:78	7
Hexachlorobutadiene	nD		0.090	0.00068	mFJL		09j2#j74 09:93	09j30j74 79:78	7
Hexachloroethane	nD		0.090	0.0009#	mFJL		09j2#j74 09:93	09j30j74 79:78	7
3-Methylphenol	nD		0.070	0.00040	mFJL		09j2#j74 09:93	09j30j74 79:78	7
2-Methylphenol	nD		0.090	0.00040	mFJL		09j2#j74 09:93	09j30j74 79:78	7
4-Methylphenol	nD		0.070	0.00036	mFJL		09j2#j74 09:93	09j30j74 79:78	7
nitrobenzene	nD		0.090	0.0002#	mFJL		09j2#j74 09:93	09j30j74 79:78	7
Electrochlorophenol	nD		0.070	0.0022	mFJL		09j2#j74 09:93	09j30j74 79:78	7
Ethylbenzene	nD		0.029	0.00047	mFJL		09j2#j74 09:93	09j30j74 79:78	7
2,4,6-Trichlorophenol	nD		0.090	0.00048	mFJL		09j2#j74 09:93	09j30j74 79:78	7
2,4,6-Trichlorophenol	nD		0.090	0.00067	mFJL		09j2#j74 09:93	09j30j74 79:78	7

Surrogate	LB2 %Recovery	LB2 Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	00		52 - 162	75/2: /14 75/56	75/67/14 159/8	1
2-Fluorobiphenyl	56		48 - 127	75/2: /14 75/56	75/67/14 159/8	1
2-Fluorophenol	62		27 - 127	75/2: /14 75/56	75/67/14 159/8	1
Nitrobenzene-d5	55		40 - 127	75/2: /14 75/56	75/67/14 159/8	1
p-Terphenyl-d14	53 x		03 - 157	75/2: /14 75/56	75/67/14 159/8	1
Phenol-d5	21		10 - 127	75/2: /14 75/56	75/67/14 159/8	1

Method: 8082z - Nolychlorinated Biphenyls)NCBs5by Gas Chromatography

Lab Sample ID: MB 480-189P90/1-z

Matrix: Solid

Analysis Batch: 184028

Client Sample ID: Method Blank

Nrep Aype: Aotal/Fz

Nrep Batch: 189P90

z nalyte	MB Result	MB Qualifier	RL	MDL	%nit	D	Nprepared	z nalyfed	Dil Uac
E1 B-7076	nD		0.022	0.0043	mFJKF		09j23j74 08:00	09j25j74 05:06	7
E1 B-7227	nD		0.022	0.0043	mFJKF		09j23j74 08:00	09j25j74 05:06	7
E1 B-7232	nD		0.022	0.0043	mFJKF		09j23j74 08:00	09j25j74 05:06	7
E1 B-7242	nD		0.022	0.0043	mFJKF		09j23j74 08:00	09j25j74 05:06	7
E1 B-7248	nD		0.022	0.0043	mFJKF		09j23j74 08:00	09j25j74 05:06	7
E1 B-7294	nD		0.022	0.0070	mFJKF		09j23j74 08:00	09j25j74 05:06	7
E1 B-7260	nD		0.022	0.0070	mFJKF		09j23j74 08:00	09j25j74 05:06	7
E1 B-7262	nD		0.022	0.0070	mFJKF		09j23j74 08:00	09j25j74 05:06	7
E1 B-7268	nD		0.022	0.0070	mFJKF		09j23j74 08:00	09j25j74 05:06	7

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-Xylene	174		40 - 135	75/26/14 78/97	75/23/14 73/90	1
DXB Decachlorobiphenyl	175		43 - 130	75/26/14 78/97	75/23/14 73/90	1

TestAmerica Buffalo

QC Sample Results

1001: n eN worYk tate DS S

TestAmerica Job ID: 480-60206-7

EroRctj k ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Method: 8082z - Nolychlorinated Biphenyls)NCBs5by Gas Chromatography)Continued5

Lab Sample ID: LCS 480-189P90/2-z

MatriT: Solid

z nalysis Batch: 184028

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

Nrep Batch: 189P90

z nalyte	Spike z dded	LCS Result	LCS Quali.ier	%nit	D	7 Rec	7 Rec(Limits
E1 B-7076	2\$6	2\$2		mFjKF		773	97 - 789
E1 B-7260	2\$6	3\$9		mFjKF		753	67 - 784
Surrogate	%Recovery	Qualifier	Limits				
Tetrachloro-m-Cylene	111		40 - 135				
DXB Decachlorobiphenyl	124		43 - 130				

Lab Sample ID: 480-60206-1 MS

MatriT: Solid

z nalysis Batch: 184028

Client Sample ID: N-1 D-1 0-1

Nrep Aype: Aotal/Fz

Nrep Batch: 189P90

z nalyte	Sample Result	Sample Quali.ier	Spike z dded	MS Result	MS Quali.ier	%nit	D	7 Rec	7 Rec(Limits
E1 B-7076	nD		2\$5	4\$9	d7	mFjKF	☼	7#2	42 - 79#
E1 B-7260	0\$5		2\$5	9\$8	d7	mFjKF	☼	7#4	45 - 793
Surrogate	%Recovery	Qualifier	Limits						
Tetrachloro-m-Cylene	135		40 - 135						
DXB Decachlorobiphenyl	257	x	43 - 130						

Lab Sample ID: 480-60206-1 MSD

MatriT: Solid

z nalysis Batch: 184028

Client Sample ID: N-1 D-1 0-1

Nrep Aype: Aotal/Fz

Nrep Batch: 189P90

z nalyte	Sample Result	Sample Quali.ier	Spike z dded	MSD Result	MSD Quali.ier	%nit	D	7 Rec	7 Rec(Limits	RND	RND Limit
E1 B-7076	nD		2\$9	4\$0	d7	mFjKF	☼	750	42 - 79#	8	90
E1 B-7260	0\$5		2\$9	4\$7	d7	mFjKF	☼	763	45 - 793	72	90
Surrogate	%Recovery	Qualifier	Limits								
Tetrachloro-m-Cylene	150		40 - 135								
DXB Decachlorobiphenyl	1: 0	x	43 - 130								

Method: 6010C - Metals)ICN5

Lab Sample ID: MB 480-184162/2-z

MatriT: Solid

z nalysis Batch: 184382

Client Sample ID: Method Blank

Nrep Aype: Aotal/Fz

Nrep Batch: 184162

z nalyte	MB Result	MB Quali.ier	RL	MDL	%nit	D	Nrepared	z nalyfed	Dil Uac
Arsel ic	nD		0\$79	0\$096	mFjL		09j25j74 73:79	09j28j74 77:97	7
Barium	nD		0\$020	0\$0050	mFjL		09j25j74 73:79	09j28j74 77:97	7
1 a/ mium	nD		0\$020	0\$0090	mFjL		09j25j74 73:79	09j28j74 77:97	7
1 hromium	nD		0\$040	0\$070	mFjL		09j25j74 73:79	09j28j74 77:97	7
Lea/	nD		0\$70	0\$030	mFjL		09j25j74 73:79	09j28j74 77:97	7
ke@l ium	nD		0\$29	0\$085	mFjL		09j25j74 73:79	09j28j74 77:97	7
ki@er	nD		0\$060	0\$075	mFjL		09j25j74 73:79	09j28j74 77:97	7

TestAmerica Buffa@

QC Sample Results

10el t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Method: 6010C - Metals)ICN5)Continued5

Lab Sample ID: LCS 480-184162/9-z

MatrIT: Solid

z nalysis Batch: 184382

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

Nrep Batch: 184162

z nalyte	Spike z dded	LCS Result	LCS Quali.ier	%nit	D	7 Rec	7 Rec(Limits
Arsel ic	7\$0	7\$2		mFjL		702	80 - 720
Barium	7\$0	0\$67		mFjL		#6	80 - 720
1 a/ mium	7\$0	0\$59		mFjL		#5	80 - 720
1 hromium	7\$0	0\$26		mFjL		#3	80 - 720
Lea/	7\$0	0\$45		mFjL		#9	80 - 720
ke@l ium	7\$0	7\$3		mFjL		703	80 - 720
kiQer	7\$0	7\$4		mFjL		704	80 - 720

Lab Sample ID: MB 480-184164/2-z

MatrIT: Solid

z nalysis Batch: 184389

Client Sample ID: Method Blank

Nrep Aype: Aotal/Fz

Nrep Batch: 184164

z nalyte	MB Result	MB Quali.ier	RL	MDL	%nit	D	Nrepared	z nalyfed	Dil Uac
Arsel ic	nD		0\$79	0\$096	mFjL		09j25j74 73:79	09j28j74 72:49	7
Barium	nD		0\$020	0\$0050	mFjL		09j25j74 73:79	09j28j74 72:49	7
1 a/ mium	nD		0\$020	0\$0090	mFjL		09j25j74 73:79	09j28j74 72:49	7
1 hromium	nD		0\$040	0\$070	mFjL		09j25j74 73:79	09j28j74 72:49	7
Lea/	nD		0\$70	0\$030	mFjL		09j25j74 73:79	09j28j74 72:49	7
ke@l ium	nD		0\$29	0\$085	mFjL		09j25j74 73:79	09j28j74 72:49	7
kiQer	nD		0\$060	0\$075	mFjL		09j25j74 73:79	09j28j74 72:49	7

Lab Sample ID: LCS 480-184164/9-z

MatrIT: Solid

z nalysis Batch: 184389

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

Nrep Batch: 184164

z nalyte	Spike z dded	LCS Result	LCS Quali.ier	%nit	D	7 Rec	7 Rec(Limits
Arsel ic	7\$0	0\$39		mFjL		#4	80 - 720
Barium	7\$0	0\$33		mFjL		#3	80 - 720
1 a/ mium	7\$0	0\$77		mFjL		#7	80 - 720
1 hromium	7\$0	0\$75		mFjL		#2	80 - 720
Lea/	7\$0	0\$86		mFjL		8#	80 - 720
ke@l ium	7\$0	0\$56		mFjL		#8	80 - 720
kiQer	7\$0	0\$44		mFjL		#4	80 - 720

Lab Sample ID: LB 480-18988x/1-B

MatrIT: Solid

z nalysis Batch: 184382

Client Sample ID: Method Blank

Nrep Aype: ACLN

Nrep Batch: 184162

z nalyte	LB Result	LB Quali.ier	RL	MDL	%nit	D	Nrepared	z nalyfed	Dil Uac
Arsel ic	nD		0\$79	0\$096	mFjL		09j25j74 73:79	09j28j74 77:48	7
Barium	0\$433		0\$020	0\$0050	mFjL		09j25j74 73:79	09j28j74 77:48	7
1 a/ mium	nD		0\$020	0\$0090	mFjL		09j25j74 73:79	09j28j74 77:48	7
1 hromium	0\$0264	J	0\$040	0\$070	mFjL		09j25j74 73:79	09j28j74 77:48	7
Lea/	nD		0\$70	0\$030	mFjL		09j25j74 73:79	09j28j74 77:48	7
ke@l ium	nD		0\$29	0\$085	mFjL		09j25j74 73:79	09j28j74 77:48	7
kiQer	nD		0\$060	0\$075	mFjL		09j25j74 73:79	09j28j74 77:48	7

TestAmerica BuffaQ

QC Sample Results

100% of the work is done in the lab

TestAmerica Job ID: 480-60206-7

Reported by: nwk D. 1-Tol aNaI / a dorFe:k iteg #79254

Method: 6010C - Metals)ICN5)Continued5

Lab Sample ID: 480-60206-x MS

MatriT: Solid

z nalysis Batch: 184382

Client Sample ID: N-1 z -1 0-1

Nrep Aype: ACLN

Nrep Batch: 184162

z nalyte	Sample Result	Sample Qualifier	Spike z dded	MS Result	MS Qualifier	%nit	D	7 Rec	7 Rec(Limits
Arsel ic	nD		7\$0	7\$#		mFjL		70#	59 - 729
Barium	0\$5	B	7\$0	7\$3		mFjL		#6	59 - 729
1 a/ mium	nD		7\$0	7\$4		mFjL		704	59 - 729
1 hromium	0\$096	B	7\$0	0\$75		mFjL		#7	59 - 729
Lea/	0\$030	J	7\$0	0\$89		mFjL		#8	59 - 729
ke@l ium	0\$73	J	7\$0	7\$0		mFjL		70#	59 - 729
ki@er	nD		7\$0	7\$0		mFjL		770	59 - 729

Lab Sample ID: 480-60206-x MSD

MatriT: Solid

z nalysis Batch: 184382

Client Sample ID: N-1 z -1 0-1

Nrep Aype: ACLN

Nrep Batch: 184162

z nalyte	Sample Result	Sample Qualifier	Spike z dded	MSD Result	MSD Qualifier	%nit	D	7 Rec	7 Rec(Limits	RND	Limit
Arsel ic	nD		7\$0	7\$4		mFjL		704	59 - 729	4	20
Barium	0\$5	B	7\$0	7\$0		mFjL		#2	59 - 729	4	20
1 a/ mium	nD		7\$0	7\$0		mFjL		700	59 - 729	4	20
1 hromium	0\$096	B	7\$0	0\$#2		mFjL		8#	59 - 729	3	20
Lea/	0\$030	J	7\$0	0\$45		mFjL		#4	59 - 729	4	20
ke@l ium	0\$73	J	7\$0	7\$6		mFjL		709	59 - 729	4	20
ki@er	nD		7\$0	7\$9		mFjL		709	59 - 729	4	20

Lab Sample ID: LB2 480-184042/1-B

MatriT: Solid

z nalysis Batch: 184389

Client Sample ID: Method Blank

Nrep Aype: ACLN

Nrep Batch: 184164

z nalyte	LB2 Result	LB2 Qualifier	RL	MDL	%nit	D	Nprepared	z nalyfed	Dil Uac
Arsel ic	nD		0\$79	0\$096	mFjL		09j25j74 73:79	09j28j74 72:42	7
1 a/ mium	nD		0\$020	0\$0090	mFjL		09j25j74 73:79	09j28j74 72:42	7
1 hromium	nD		0\$040	0\$070	mFjL		09j25j74 73:79	09j28j74 72:42	7
Lea/	nD		0\$70	0\$030	mFjL		09j25j74 73:79	09j28j74 72:42	7
ke@l ium	nD		0\$29	0\$085	mFjL		09j25j74 73:79	09j28j74 72:42	7
ki@er	nD		0\$060	0\$075	mFjL		09j25j74 73:79	09j28j74 72:42	7

Lab Sample ID: LB2 480-184042/1-B

MatriT: Solid

z nalysis Batch: 184P89

Client Sample ID: Method Blank

Nrep Aype: ACLN

Nrep Batch: 184164

z nalyte	LB2 Result	LB2 Qualifier	RL	MDL	%nit	D	Nprepared	z nalyfed	Dil Uac
Barium	0\$028#		0\$020	0\$0050	mFjL		09j25j74 73:79	09j2#j74 74:76	7

Lab Sample ID: 480-60206-11 MS

MatriT: Solid

z nalysis Batch: 1833P9

Client Sample ID: N-1 z -2 0-1

Nrep Aype: ACLN

Nrep Batch: 184164

z nalyte	Sample Result	Sample Qualifier	Spike z dded	MS Result	MS Qualifier	%nit	D	7 Rec	7 Rec(Limits
Arsel ic	nD		7\$0	7\$7		mFjL		777	59 - 729
Barium	0\$7		7\$0	7\$5		mFjL		#6	59 - 729
1 a/ mium	0\$073	J	7\$0	7\$6		mFjL		706	59 - 729
1 hromium	0\$70		7\$0	0\$76		mFjL		#7	59 - 729

TestAmerica Buffa@

QC Sample Results

10el t: n eN worYk tate DS S

TestAmerica Job ID: 480-60206-7

EroEctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Method: 6010C - Metals)ICN5)Continued5

Lab Sample ID: 480-60206-11 MS

MatriT: Solid

z nalysis Batch: 1833P9

Client Sample ID: N-1 z -2 0-1

Nrep Aype: ACLN

Nrep Batch: 184164

z nalyte	Sample Result	Sample Qualifier	Spike z dded	MS Result	MS Qualifier	%nit	D	7 Rec	7 Rec(Limits
Lea/	0\$068	J	7\$0	0\$84		mFjL		#8	59 - 729
ke@l ium	0\$27	J	7\$0	7\$3		mFjL		777	59 - 729
ki@er	n D		7\$0	7\$9		mFjL		779	59 - 729

Lab Sample ID: 480-60206-11 MSD

MatriT: Solid

z nalysis Batch: 1833P9

Client Sample ID: N-1 z -2 0-1

Nrep Aype: ACLN

Nrep Batch: 184164

z nalyte	Sample Result	Sample Qualifier	Spike z dded	MSD Result	MSD Qualifier	%nit	D	7 Rec	7 Rec(Limits	RND	Limit
Arsel ic	n D		7\$0	7\$#		mFjL		70#	59 - 729	2	20
Barium	0\$7		7\$0	7\$5		mFjL		#6	59 - 729	0	20
1 a/ mium	0\$073	J	7\$0	7\$4		mFjL		704	59 - 729	2	20
1 hromium	0\$70		7\$0	0\$55		mFjL		85	59 - 729	4	20
Lea/	0\$068	J	7\$0	0\$63		mFjL		#6	59 - 729	2	20
ke@l ium	0\$27	J	7\$0	7\$2		mFjL		770	59 - 729	7	20
ki@er	n D		7\$0	7\$3		mFjL		773	59 - 729	7	20

Method: P4P0z _z SN - Mercury)CVz z 5

Lab Sample ID: MB 480-1841xP/2-z

MatriT: Solid

z nalysis Batch: 184422

Client Sample ID: Method Blank

Nrep Aype: Aotal/Fz

Nrep Batch: 1841xP

z nalyte	MB Result	MB Qualifier	RL	MDL	%nit	D	Nrepared	z nalyfed	Dil Uac
Mercury	n D		0\$0020	0\$0072	mFjL		09j25j74 77:00	09j28j74 73:76	7

Lab Sample ID: LCS 480-1841xP/9-z

MatriT: Solid

z nalysis Batch: 184422

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

Nrep Batch: 1841xP

z nalyte	Spike z dded	LCS Result	LCS Qualifier	%nit	D	7 Rec	7 Rec(Limits
Mercury	0\$0668	0\$0650		mFjL		700	80 - 720

Lab Sample ID: MB 480-1841x8/2-z

MatriT: Solid

z nalysis Batch: 184422

Client Sample ID: Method Blank

Nrep Aype: Aotal/Fz

Nrep Batch: 1841x8

z nalyte	MB Result	MB Qualifier	RL	MDL	%nit	D	Nrepared	z nalyfed	Dil Uac
Mercury	n D		0\$0020	0\$0072	mFjL		09j25j74 77:00	09j28j74 73:38	7

Lab Sample ID: LCS 480-1841x8/9-z

MatriT: Solid

z nalysis Batch: 184422

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

Nrep Batch: 1841x8

z nalyte	Spike z dded	LCS Result	LCS Qualifier	%nit	D	7 Rec	7 Rec(Limits
Mercury	0\$0668	0\$0628		mFjL		#4	80 - 720

TestAmerica Buffa@

QC Sample Results

10el t: n eN worYk tate DS S

TestAmerica Job ID: 480-60206-7

EroRctj k ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Method: P4P0z _z SN - Mercury)CVz z 5)Continued5

Lab Sample ID: LB2 480-184042/1-C

MatriT: Solid

z nalysis Batch: 184422

Client Sample ID: Method Blank

Nrep Aype: ACLN

Nrep Batch: 1841xP

z nalyte	LB2 Result	LB2 Quali.ier	RL	MDL	%nit	D	Nrepared	z nalyfed	Dil Uac
Mercury	n D		0\$0020	0\$0072	mFjL		09j25j74 77:00	09j28j74 73:74	7

Lab Sample ID: 480-60206-11 MS

MatriT: Solid

z nalysis Batch: 184422

Client Sample ID: N-1 z -2 0-1

Nrep Aype: ACLN

Nrep Batch: 1841xP

z nalyte	Sample Result	Sample Quali.ier	Spike z dded	MS Result	MS Quali.ier	%nit	D	7 Rec	7 Rec(Limits
Mercury	n D		0\$0668	0\$0578		mFjL		708	59 - 729

Lab Sample ID: 480-60206-11 MSD

MatriT: Solid

z nalysis Batch: 184422

Client Sample ID: N-1 z -2 0-1

Nrep Aype: ACLN

Nrep Batch: 1841xP

z nalyte	Sample Result	Sample Quali.ier	Spike z dded	MSD Result	MSD Quali.ier	%nit	D	7 Rec	7 Rec(Limits	RND	Limit
Mercury	n D		0\$0668	0\$0579		mFjL		705	59 - 729	0	20

Lab Sample ID: LB 480-18988x/1-C

MatriT: Solid

z nalysis Batch: 184422

Client Sample ID: Method Blank

Nrep Aype: ACLN

Nrep Batch: 1841xP

z nalyte	LB Result	LB Quali.ier	RL	MDL	%nit	D	Nrepared	z nalyfed	Dil Uac
Mercury	n D		0\$0020	0\$0072	mFjL		09j25j74 77:00	09j28j74 73:36	7

Lab Sample ID: 480-60206-x MS

MatriT: Solid

z nalysis Batch: 184422

Client Sample ID: N-1 z -1 0-1

Nrep Aype: ACLN

Nrep Batch: 1841x8

z nalyte	Sample Result	Sample Quali.ier	Spike z dded	MS Result	MS Quali.ier	%nit	D	7 Rec	7 Rec(Limits
Mercury	n D		0\$0668	0\$0639		mFjL		#9	59 - 729

Lab Sample ID: 480-60206-x MSD

MatriT: Solid

z nalysis Batch: 184422

Client Sample ID: N-1 z -1 0-1

Nrep Aype: ACLN

Nrep Batch: 1841x8

z nalyte	Sample Result	Sample Quali.ier	Spike z dded	MSD Result	MSD Quali.ier	%nit	D	7 Rec	7 Rec(Limits	RND	Limit
Mercury	n D		0\$0668	0\$0628		mFjL		#4	59 - 729	7	20

Method: 1010z - Ignitability, Nensky-Martens Closed Cup Method

Lab Sample ID: LCS 480-1898x0/1

MatriT: Solid

z nalysis Batch: 1898x0

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

z nalyte	Spike z dded	LCS Result	LCS Quali.ier	%nit	D	7 Rec	7 Rec(Limits
d@shpoil t	87\$	80\$0		DeFrees d		##	#5\$ - 702S 9

TestAmerica Buffa

QC Sample Results

10el t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Method: 1010z - Ignitability, Nensky-Martens Closed Cup Method)Continued5

Lab Sample ID: LCS 480-184240/1

MatrIT: Solid

z nalysis Batch: 184240

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

z nalyte	Spike z dded	LCS Result	LCS Quali.ier	%nit	D	7 Rec ##	7 Rec Limits
d@shpoil t	87\$	80\$0		DeFrees d			#5\$ - 702S 9

Lab Sample ID: 480-60206-8 D%

MatrIT: Solid

z nalysis Batch: 184240

Client Sample ID: N-1 B-1 4-3

Nrep Aype: Aotal/Fz

z nalyte	Sample Result	Sample Quali.ier	D% Result	D% Quali.ier	%nit	D	RND	RND Limit
d@shpoil t	>756\$		>756\$		DeFrees d		n 1	70

Method: x012 - Cyanide, Reactive

Lab Sample ID: MB 480-1849P0/1-z

MatrIT: Solid

z nalysis Batch: 18498P

Client Sample ID: Method Blank

Nrep Aype: Aotal/Fz

Nrep Batch: 1849P0

z nalyte	MB Result	MB Quali.ier	RL	MDL	%nit	D	Nrepared	z nalyfed	Dil Uac
1 yal i/ e, Reactive	n D		70\$	0\$030	mFjKF		09j25j74 23:20	09j28j74 70:32	7

Lab Sample ID: LCS 480-1849P0/2-z

MatrIT: Solid

z nalysis Batch: 18498P

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

Nrep Batch: 1849P0

z nalyte	Spike z dded	LCS Result	LCS Quali.ier	%nit	D	7 Rec 22	7 Rec Limits
1 yal i/ e, Reactive	7000	223\$		mFjKF			70 - 700

Lab Sample ID: 480-60206-1 D%

MatrIT: Solid

z nalysis Batch: 18498P

Client Sample ID: N-1 D-1 0-1

Nrep Aype: Aotal/Fz

Nrep Batch: 1849P0

z nalyte	Sample Result	Sample Quali.ier	D% Result	D% Quali.ier	%nit	D	RND	RND Limit
1 yal i/ e, Reactive	n D		n D		mFjKF		n 1	20

Method: x094 - Sul.ide, Reactive

Lab Sample ID: MB 480-184980/1-z

MatrIT: Solid

z nalysis Batch: 1848P2

Client Sample ID: Method Blank

Nrep Aype: Aotal/Fz

Nrep Batch: 184980

z nalyte	MB Result	MB Quali.ier	RL	MDL	%nit	D	Nrepared	z nalyfed	Dil Uac
k u@/ e, Reactive	n D		70\$	0\$5	mFjKF		09j25j74 23:20	09j30j74 00:20	7

Lab Sample ID: LCS 480-184980/2-z

MatrIT: Solid

z nalysis Batch: 1848P2

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

Nrep Batch: 184980

z nalyte	Spike z dded	LCS Result	LCS Quali.ier	%nit	D	7 Rec 58	7 Rec Limits
k u@/ e, Reactive	7000	587\$		mFjKF			70 - 700

TestAmerica Buffa@

QC Sample Results

100% of the work is done in the lab

Product: 1-Tol anil / a dorFe:k iteg #79254

TestAmerica Job ID: 480-60206-7

Method: x094 - Sul. ide, Reactive)Continued5

Lab Sample ID: 480-60206-1 D%

MatriT: Solid

z nalysis Batch: 1848P2

Client Sample ID: N-1 D-1 0-1

Nrep Aype: Aotal/Fz

Nrep Batch: 184980

z nalyte	Sample Result	Sample Quali.ier	D% Result	D% Quali.ier	%nit	D	RND	Limit
ku0/ e, Reactive	n D		n D		mFjKF		n 1	20

Method: x043D - pH

Lab Sample ID: LCS 480-189P00/1

MatriT: Solid

z nalysis Batch: 189P00

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

z nalyte	Spike z dded	LCS Result	LCS Quali.ier	%nit	D	7 Rec	7 Rec(Limits
pH	500	600		k U		700	## - 707

Lab Sample ID: 480-60206-6 D%

MatriT: Solid

z nalysis Batch: 189P00

Client Sample ID: N-1 C-1 14-13

Nrep Aype: Aotal/Fz

z nalyte	Sample Result	Sample Quali.ier	D% Result	D% Quali.ier	%nit	D	RND	Limit
pH	800		800		k U		00	9

Lab Sample ID: LCS 480-189x32/1

MatriT: Solid

z nalysis Batch: 189x32

Client Sample ID: Lab Control Sample

Nrep Aype: Aotal/Fz

z nalyte	Spike z dded	LCS Result	LCS Quali.ier	%nit	D	7 Rec	7 Rec(Limits
pH	500	600		k U		##	## - 707

QC Association Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroEctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

GC/MS VOA

Leach Batch: 183843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	T1 BE	koQ	7377	
480-60206-7 L k	E-7 D-7 0-7	T1 BE	koQ	7377	
480-60206-7 L k D	E-7 D-7 0-7	T1 BE	koQ	7377	
480-60206-2	E-7 D-7 5-8	T1 BE	koQ	7377	
480-60206-3	E-7 D-7 74-79	T1 BE	koQ	7377	
480-60206-4	E-7 1-7 0-7	T1 BE	koQ	7377	
480-60206-9	E-7 1-7 9-6	T1 BE	koQ	7377	
480-60206-6	E-7 1-7 74-79	T1 BE	koQ	7377	
480-60206-5	E-7 M-7 0-7	T1 BE	koQ	7377	
480-60206-8	E-7 M-7 4-9	T1 BE	koQ	7377	
480-60206-#	E-7 A-7 0-7	T1 BE	koQ	7377	
480-60206-70	E-7 A-7 4-9	T1 BE	koQ	7377	
BM480-783843j7-A	L etho/ MAl Y	T1 BE	koQ	7377	

Analysis Batch: 183987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	T1 BE	koQ	82601	783843
480-60206-7 L k	E-7 D-7 0-7	T1 BE	koQ	82601	783843
480-60206-7 L k D	E-7 D-7 0-7	T1 BE	koQ	82601	783843
480-60206-2	E-7 D-7 5-8	T1 BE	koQ	82601	783843
480-60206-3	E-7 D-7 74-79	T1 BE	koQ	82601	783843
480-60206-4	E-7 1-7 0-7	T1 BE	koQ	82601	783843
480-60206-9	E-7 1-7 9-6	T1 BE	koQ	82601	783843
480-60206-6	E-7 1-7 74-79	T1 BE	koQ	82601	783843
480-60206-5	E-7 M-7 0-7	T1 BE	koQ	82601	783843
480-60206-8	E-7 M-7 4-9	T1 BE	koQ	82601	783843
480-60206-#	E-7 A-7 0-7	T1 BE	koQ	82601	783843
480-60206-70	E-7 A-7 4-9	T1 BE	koQ	82601	783843
BM480-783843j7-A	L etho/ MAl Y	T1 BE	koQ	82601	783843
B1 k 480-783#85j4	Bab 1 ol troQkampQ	TotaQh A	koQ	82601	
L M480-783#85j6	L etho/ MAl Y	TotaQh A	koQ	82601	

Leach Batch: 184044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-77	E-7 A-2 0-7	T1 BE	koQ	7377	
480-60206-72	E-7 A-2 4-9	T1 BE	koQ	7377	
480-60206-73	E-7 M-2 0-7	T1 BE	koQ	7377	
BM480-784044j7-A	L etho/ MAl Y	T1 BE	koQ	7377	

Analysis Batch: 184228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-77	E-7 A-2 0-7	T1 BE	koQ	82601	784044
480-60206-72	E-7 A-2 4-9	T1 BE	koQ	82601	784044
480-60206-73	E-7 M-2 0-7	T1 BE	koQ	82601	784044
BM480-784044j7-A	L etho/ MAl Y	T1 BE	koQ	82601	784044
B1 k 480-784228j6	Bab 1 ol troQkampQ	TotaQh A	koQ	82601	
L M480-784228j8	L etho/ MAl Y	TotaQh A	koQ	82601	

TestAmerica MuffaQ

QC Association Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

GC/MS Semi VOA

Leach Batch: 183889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	T1 BE	koQ	7377	
480-60206-2	E-7 D-7 5-8	T1 BE	koQ	7377	
480-60206-3	E-7 D-7 74-79	T1 BE	koQ	7377	
480-60206-4	E-7 1-7 0-7	T1 BE	koQ	7377	
480-60206-6	E-7 1-7 74-79	T1 BE	koQ	7377	
480-60206-#	E-7 A-7 0-7	T1 BE	koQ	7377	
480-60206-70	E-7 A-7 4-9	T1 BE	koQ	7377	
480-60206-72	E-7 A-2 4-9	T1 BE	koQ	7377	
BM480-78388#j7-D	L etho/ MAl Y	T1 BE	koQ	7377	

Leach Batch: 184042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-9	E-7 1-7 9-6	T1 BE	koQ	7377	
480-60206-5	E-7 M-7 0-7	T1 BE	koQ	7377	
480-60206-8	E-7 M-7 4-9	T1 BE	koQ	7377	
480-60206-77	E-7 A-2 0-7	T1 BE	koQ	7377	
480-60206-73	E-7 M-2 0-7	T1 BE	koQ	7377	
BM2 480-784042j7-D	L etho/ MAl Y	T1 BE	koQ	7377	

Prep Batch: 184509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	T1 BE	koQ	39701	78388#
480-60206-2	E-7 D-7 5-8	T1 BE	koQ	39701	78388#
480-60206-3	E-7 D-7 74-79	T1 BE	koQ	39701	78388#
480-60206-4	E-7 1-7 0-7	T1 BE	koQ	39701	78388#
480-60206-9	E-7 1-7 9-6	T1 BE	koQ	39701	784042
480-60206-6	E-7 1-7 74-79	T1 BE	koQ	39701	78388#
480-60206-5	E-7 M-7 0-7	T1 BE	koQ	39701	784042
480-60206-8	E-7 M-7 4-9	T1 BE	koQ	39701	784042
480-60206-#	E-7 A-7 0-7	T1 BE	koQ	39701	78388#
480-60206-70	E-7 A-7 4-9	T1 BE	koQ	39701	78388#
480-60206-77	E-7 A-2 0-7	T1 BE	koQ	39701	784042
480-60206-72	E-7 A-2 4-9	T1 BE	koQ	39701	78388#
480-60206-73	E-7 M-2 0-7	T1 BE	koQ	39701	784042
BM480-78388#j7-D	L etho/ MAl Y	T1 BE	koQ	39701	78388#
BM2 480-784042j7-D	L etho/ MAl Y	T1 BE	koQ	39701	784042
B1 k 480-78490#j2-A	Bab 1 ol troQkamp@	TotaQh A	koQ	39701	
B1 k D 480-78490#j3-A	Bab 1 ol troQkamp@ Dup	TotaQh A	koQ	39701	
L M 480-78490#j7-A	L etho/ MAl Y	TotaQh A	koQ	39701	

Analysis Batch: 184676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	T1 BE	koQ	8250D	78490#
480-60206-2	E-7 D-7 5-8	T1 BE	koQ	8250D	78490#
480-60206-3	E-7 D-7 74-79	T1 BE	koQ	8250D	78490#
480-60206-4	E-7 1-7 0-7	T1 BE	koQ	8250D	78490#
480-60206-9	E-7 1-7 9-6	T1 BE	koQ	8250D	78490#
480-60206-6	E-7 1-7 74-79	T1 BE	koQ	8250D	78490#
480-60206-5	E-7 M-7 0-7	T1 BE	koQ	8250D	78490#
480-60206-8	E-7 M-7 4-9	T1 BE	koQ	8250D	78490#
480-60206-#	E-7 A-7 0-7	T1 BE	koQ	8250D	78490#

TestAmerica MuffaQ

QC Association Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

GC/MS Semi VOA (Continued)

Analysis Batch: 184676 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-70	E-7 A-7 4-9	T1 BE	koQ	8250D	78490#
480-60206-77	E-7 A-2 0-7	T1 BE	koQ	8250D	78490#
480-60206-72	E-7 A-2 4-9	T1 BE	koQ	8250D	78490#
480-60206-73	E-7 M-2 0-7	T1 BE	koQ	8250D	78490#
BM480-78388#j7-D	L etho/ MAl Y	T1 BE	koQ	8250D	78490#
BM2 480-784042j7-D	L etho/ MAl Y	T1 BE	koQ	8250D	78490#
B1 k 480-78490#j2-A	Bab 1 ol troQkampQ	TotaQn A	koQ	8250D	78490#
B1 k D 480-78490#j3-A	Bab 1 ol troQkampQ Dup	TotaQn A	koQ	8250D	78490#
L M480-78490#j7-A	L etho/ MAl Y	TotaQn A	koQ	8250D	78490#

GC Semi VOA

Prep Batch: 183730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	TotaQn A	koQ	39901	
480-60206-7 L k	E-7 D-7 0-7	TotaQn A	koQ	39901	
480-60206-7 L k D	E-7 D-7 0-7	TotaQn A	koQ	39901	
480-60206-2	E-7 D-7 5-8	TotaQn A	koQ	39901	
480-60206-3	E-7 D-7 74-79	TotaQn A	koQ	39901	
480-60206-4	E-7 1-7 0-7	TotaQn A	koQ	39901	
480-60206-9	E-7 1-7 9-6	TotaQn A	koQ	39901	
480-60206-6	E-7 1-7 74-79	TotaQn A	koQ	39901	
480-60206-5	E-7 M-7 0-7	TotaQn A	koQ	39901	
480-60206-8	E-7 M-7 4-9	TotaQn A	koQ	39901	
480-60206-#	E-7 A-7 0-7	TotaQn A	koQ	39901	
480-60206-70	E-7 A-7 4-9	TotaQn A	koQ	39901	
480-60206-77	E-7 A-2 0-7	TotaQn A	koQ	39901	
480-60206-72	E-7 A-2 4-9	TotaQn A	koQ	39901	
480-60206-73	E-7 M-2 0-7	TotaQn A	koQ	39901	
B1 k 480-783530j2-A	Bab 1 ol troQkampQ	TotaQn A	koQ	39901	
L M480-783530j7-A	L etho/ MAl Y	TotaQn A	koQ	39901	

Analysis Batch: 184028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	TotaQn A	koQ	8082A	783530
480-60206-7 L k	E-7 D-7 0-7	TotaQn A	koQ	8082A	783530
480-60206-7 L k D	E-7 D-7 0-7	TotaQn A	koQ	8082A	783530
480-60206-2	E-7 D-7 5-8	TotaQn A	koQ	8082A	783530
480-60206-3	E-7 D-7 74-79	TotaQn A	koQ	8082A	783530
480-60206-4	E-7 1-7 0-7	TotaQn A	koQ	8082A	783530
480-60206-9	E-7 1-7 9-6	TotaQn A	koQ	8082A	783530
480-60206-6	E-7 1-7 74-79	TotaQn A	koQ	8082A	783530
480-60206-5	E-7 M-7 0-7	TotaQn A	koQ	8082A	783530
480-60206-8	E-7 M-7 4-9	TotaQn A	koQ	8082A	783530
480-60206-#	E-7 A-7 0-7	TotaQn A	koQ	8082A	783530
480-60206-70	E-7 A-7 4-9	TotaQn A	koQ	8082A	783530
480-60206-77	E-7 A-2 0-7	TotaQn A	koQ	8082A	783530
480-60206-72	E-7 A-2 4-9	TotaQn A	koQ	8082A	783530
480-60206-73	E-7 M-2 0-7	TotaQn A	koQ	8082A	783530
B1 k 480-783530j2-A	Bab 1 ol troQkampQ	TotaQn A	koQ	8082A	783530

TestAmerica MuffaQ

QC Association Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

GC Semi VOA (Continued)

Analysis Batch: 184028 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
L M480-783530j7-A	L etho/ MAl Y	TotaQh A	koQ	8082A	783530

Metals

Leach Batch: 183889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	T1 BE	koQ	7377	
480-60206-2	E-7 D-7 5-8	T1 BE	koQ	7377	
480-60206-3	E-7 D-7 74-79	T1 BE	koQ	7377	
480-60206-4	E-7 1-7 0-7	T1 BE	koQ	7377	
480-60206-6	E-7 1-7 74-79	T1 BE	koQ	7377	
480-60206-#	E-7 A-7 0-7	T1 BE	koQ	7377	
480-60206-# L k	E-7 A-7 0-7	T1 BE	koQ	7377	
480-60206-# L k D	E-7 A-7 0-7	T1 BE	koQ	7377	
480-60206-70	E-7 A-7 4-9	T1 BE	koQ	7377	
480-60206-72	E-7 A-2 4-9	T1 BE	koQ	7377	
BM480-78388#j7-M	L etho/ MAl Y	T1 BE	koQ	7377	
BM480-78388#j7-1	L etho/ MAl Y	T1 BE	koQ	7377	

Leach Batch: 184042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-9	E-7 1-7 9-6	T1 BE	koQ	7377	
480-60206-5	E-7 M-7 0-7	T1 BE	koQ	7377	
480-60206-8	E-7 M-7 4-9	T1 BE	koQ	7377	
480-60206-77	E-7 A-2 0-7	T1 BE	koQ	7377	
480-60206-77 L k	E-7 A-2 0-7	T1 BE	koQ	7377	
480-60206-77 L k D	E-7 A-2 0-7	T1 BE	koQ	7377	
480-60206-73	E-7 M-2 0-7	T1 BE	koQ	7377	
BM2 480-784042j7-M	L etho/ MAl Y	T1 BE	koQ	7377	
BM2 480-784042j7-1	L etho/ MAl Y	T1 BE	koQ	7377	

Prep Batch: 184162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	T1 BE	koQ	3070A	78388#
480-60206-2	E-7 D-7 5-8	T1 BE	koQ	3070A	78388#
480-60206-3	E-7 D-7 74-79	T1 BE	koQ	3070A	78388#
480-60206-4	E-7 1-7 0-7	T1 BE	koQ	3070A	78388#
480-60206-6	E-7 1-7 74-79	T1 BE	koQ	3070A	78388#
480-60206-#	E-7 A-7 0-7	T1 BE	koQ	3070A	78388#
480-60206-# L k	E-7 A-7 0-7	T1 BE	koQ	3070A	78388#
480-60206-# L k D	E-7 A-7 0-7	T1 BE	koQ	3070A	78388#
480-60206-70	E-7 A-7 4-9	T1 BE	koQ	3070A	78388#
480-60206-72	E-7 A-2 4-9	T1 BE	koQ	3070A	78388#
BM480-78388#j7-M	L etho/ MAl Y	T1 BE	koQ	3070A	78388#
B1 k 480-784762j3-A	Bab 1 ol troQkampQ	TotaQh A	koQ	3070A	
L M480-784762j2-A	L etho/ MAl Y	TotaQh A	koQ	3070A	

Prep Batch: 184164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-9	E-7 1-7 9-6	T1 BE	koQ	3070A	784042

TestAmerica MuffaQ

QC Association Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroEctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

Metals (Continued)

Prep Batch: 184164 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-5	E-7 M-7 0-7	T1 BE	koQ	3070A	784042
480-60206-8	E-7 M-7 4-9	T1 BE	koQ	3070A	784042
480-60206-77	E-7 A-2 0-7	T1 BE	koQ	3070A	784042
480-60206-77 L k	E-7 A-2 0-7	T1 BE	koQ	3070A	784042
480-60206-77 L k D	E-7 A-2 0-7	T1 BE	koQ	3070A	784042
480-60206-73	E-7 M-2 0-7	T1 BE	koQ	3070A	784042
BM2 480-784042j7-M	L etho/ MAl Y	T1 BE	koQ	3070A	784042
B1 k 480-784764j3-A	Bab 1 ol troCkamp@	TotaQh A	koQ	3070A	784042
L M480-784764j2-A	L etho/ MAl Y	TotaQh A	koQ	3070A	784042

Prep Batch: 184197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-9	E-7 1-7 9-6	T1 BE	koQ	5450A	784042
480-60206-5	E-7 M-7 0-7	T1 BE	koQ	5450A	784042
480-60206-8	E-7 M-7 4-9	T1 BE	koQ	5450A	784042
480-60206-77	E-7 A-2 0-7	T1 BE	koQ	5450A	784042
480-60206-77 L k	E-7 A-2 0-7	T1 BE	koQ	5450A	784042
480-60206-77 L k D	E-7 A-2 0-7	T1 BE	koQ	5450A	784042
480-60206-73	E-7 M-2 0-7	T1 BE	koQ	5450A	784042
BM2 480-784042j7-1	L etho/ MAl Y	T1 BE	koQ	5450A	784042
B1 k 480-7847#5j3-A	Bab 1 ol troCkamp@	TotaQh A	koQ	5450A	784042
L M480-7847#5j2-A	L etho/ MAl Y	TotaQh A	koQ	5450A	784042

Prep Batch: 184198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	T1 BE	koQ	5450A	78388#
480-60206-2	E-7 D-7 5-8	T1 BE	koQ	5450A	78388#
480-60206-3	E-7 D-7 74-79	T1 BE	koQ	5450A	78388#
480-60206-4	E-7 1-7 0-7	T1 BE	koQ	5450A	78388#
480-60206-6	E-7 1-7 74-79	T1 BE	koQ	5450A	78388#
480-60206-#	E-7 A-7 0-7	T1 BE	koQ	5450A	78388#
480-60206-# L k	E-7 A-7 0-7	T1 BE	koQ	5450A	78388#
480-60206-# L k D	E-7 A-7 0-7	T1 BE	koQ	5450A	78388#
480-60206-70	E-7 A-7 4-9	T1 BE	koQ	5450A	78388#
480-60206-72	E-7 A-2 4-9	T1 BE	koQ	5450A	78388#
BM480-78388#j7-1	L etho/ MAl Y	T1 BE	koQ	5450A	78388#
B1 k 480-7847#8j3-A	Bab 1 ol troCkamp@	TotaQh A	koQ	5450A	78388#
L M480-7847#8j2-A	L etho/ MAl Y	TotaQh A	koQ	5450A	78388#

Analysis Batch: 184422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	T1 BE	koQ	5450A_Ak E	7847#8
480-60206-2	E-7 D-7 5-8	T1 BE	koQ	5450A_Ak E	7847#8
480-60206-3	E-7 D-7 74-79	T1 BE	koQ	5450A_Ak E	7847#8
480-60206-4	E-7 1-7 0-7	T1 BE	koQ	5450A_Ak E	7847#8
480-60206-9	E-7 1-7 9-6	T1 BE	koQ	5450A_Ak E	7847#5
480-60206-6	E-7 1-7 74-79	T1 BE	koQ	5450A_Ak E	7847#8
480-60206-5	E-7 M-7 0-7	T1 BE	koQ	5450A_Ak E	7847#5
480-60206-8	E-7 M-7 4-9	T1 BE	koQ	5450A_Ak E	7847#5
480-60206-#	E-7 A-7 0-7	T1 BE	koQ	5450A_Ak E	7847#8
480-60206-# L k	E-7 A-7 0-7	T1 BE	koQ	5450A_Ak E	7847#8

TestAmerica MuffaQ

QC Association Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

Metals (Continued)

Analysis Batch: 184422 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-# L k D	E-7 A-7 0-7	T1 BE	koQ	5450A_Ak E	7847#8
480-60206-70	E-7 A-7 4-9	T1 BE	koQ	5450A_Ak E	7847#8
480-60206-77	E-7 A-2 0-7	T1 BE	koQ	5450A_Ak E	7847#5
480-60206-77 L k	E-7 A-2 0-7	T1 BE	koQ	5450A_Ak E	7847#5
480-60206-77 L k D	E-7 A-2 0-7	T1 BE	koQ	5450A_Ak E	7847#5
480-60206-72	E-7 A-2 4-9	T1 BE	koQ	5450A_Ak E	7847#8
480-60206-73	E-7 M-2 0-7	T1 BE	koQ	5450A_Ak E	7847#5
BM480-78388#j7-1	L etho/ MAl Y	T1 BE	koQ	5450A_Ak E	7847#8
BM2 480-784042j7-1	L etho/ MAl Y	T1 BE	koQ	5450A_Ak E	7847#5
B1 k 480-7847#5j3-A	Bab 1 ol troQkampQ	TotaQh A	koQ	5450A_Ak E	7847#5
B1 k 480-7847#8j3-A	Bab 1 ol troQkampQ	TotaQh A	koQ	5450A_Ak E	7847#8
L M480-7847#5j2-A	L etho/ MAl Y	TotaQh A	koQ	5450A_Ak E	7847#5
L M480-7847#8j2-A	L etho/ MAl Y	TotaQh A	koQ	5450A_Ak E	7847#8

Analysis Batch: 184582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	T1 BE	koQ	60701	784762
480-60206-2	E-7 D-7 5-8	T1 BE	koQ	60701	784762
480-60206-3	E-7 D-7 74-79	T1 BE	koQ	60701	784762
480-60206-4	E-7 1-7 0-7	T1 BE	koQ	60701	784762
480-60206-6	E-7 1-7 74-79	T1 BE	koQ	60701	784762
480-60206-#	E-7 A-7 0-7	T1 BE	koQ	60701	784762
480-60206-# L k	E-7 A-7 0-7	T1 BE	koQ	60701	784762
480-60206-# L k D	E-7 A-7 0-7	T1 BE	koQ	60701	784762
480-60206-70	E-7 A-7 4-9	T1 BE	koQ	60701	784762
480-60206-72	E-7 A-2 4-9	T1 BE	koQ	60701	784762
BM480-78388#j7-M	L etho/ MAl Y	T1 BE	koQ	60701	784762
B1 k 480-784762j3-A	Bab 1 ol troQkampQ	TotaQh A	koQ	60701	784762
L M480-784762j2-A	L etho/ MAl Y	TotaQh A	koQ	60701	784762

Analysis Batch: 184583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-9	E-7 1-7 9-6	T1 BE	koQ	60701	784764
480-60206-5	E-7 M-7 0-7	T1 BE	koQ	60701	784764
480-60206-8	E-7 M-7 4-9	T1 BE	koQ	60701	784764
480-60206-73	E-7 M-2 0-7	T1 BE	koQ	60701	784764
BM2 480-784042j7-M	L etho/ MAl Y	T1 BE	koQ	60701	784764
B1 k 480-784764j3-A	Bab 1 ol troQkampQ	TotaQh A	koQ	60701	784764
L M480-784764j2-A	L etho/ MAl Y	TotaQh A	koQ	60701	784764

Analysis Batch: 184783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
BM2 480-784042j7-M	L etho/ MAl Y	T1 BE	koQ	60701	784764

Analysis Batch: 185573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-77	E-7 A-2 0-7	T1 BE	koQ	60701	784764
480-60206-77 L k	E-7 A-2 0-7	T1 BE	koQ	60701	784764
480-60206-77 L k D	E-7 A-2 0-7	T1 BE	koQ	60701	784764

TestAmerica MuffaQ

QC Association Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

General Chemistry

Analysis Batch: 183137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	Total A	ko	L oisture	
480-60206-2	E-7 D-7 5-8	Total A	ko	L oisture	
480-60206-3	E-7 D-7 74-79	Total A	ko	L oisture	
480-60206-4	E-7 1-7 0-7	Total A	ko	L oisture	
480-60206-9	E-7 1-7 9-6	Total A	ko	L oisture	
480-60206-6	E-7 1-7 74-79	Total A	ko	L oisture	
480-60206-5	E-7 M-7 0-7	Total A	ko	L oisture	
480-60206-8	E-7 M-7 4-9	Total A	ko	L oisture	
480-60206-#	E-7 A-7 0-7	Total A	ko	L oisture	
480-60206-70	E-7 A-7 4-9	Total A	ko	L oisture	
480-60206-77	E-7 A-2 0-7	Total A	ko	L oisture	
480-60206-72	E-7 A-2 4-9	Total A	ko	L oisture	
480-60206-73	E-7 M-2 0-7	Total A	ko	L oisture	

Analysis Batch: 183700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-4	E-7 1-7 0-7	Total A	ko	#049D	
480-60206-9	E-7 1-7 9-6	Total A	ko	#049D	
480-60206-6	E-7 1-7 74-79	Total A	ko	#049D	
480-60206-6 DU	E-7 1-7 74-79	Total A	ko	#049D	
480-60206-5	E-7 M-7 0-7	Total A	ko	#049D	
480-60206-8	E-7 M-7 4-9	Total A	ko	#049D	
480-60206-#	E-7 A-7 0-7	Total A	ko	#049D	
480-60206-70	E-7 A-7 4-9	Total A	ko	#049D	
480-60206-77	E-7 A-2 0-7	Total A	ko	#049D	
480-60206-72	E-7 A-2 4-9	Total A	ko	#049D	
480-60206-73	E-7 M-2 0-7	Total A	ko	#049D	
B1 k 480-783500j7	Bab 1 ol trok amp	Total A	ko	#049D	

Analysis Batch: 183890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	Total A	ko	7070A	
480-60206-2	E-7 D-7 5-8	Total A	ko	7070A	
480-60206-3	E-7 D-7 74-79	Total A	ko	7070A	
480-60206-4	E-7 1-7 0-7	Total A	ko	7070A	
480-60206-9	E-7 1-7 9-6	Total A	ko	7070A	
B1 k 480-7838#0j7	Bab 1 ol trok amp	Total A	ko	7070A	

Analysis Batch: 183952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	Total A	ko	#049D	
480-60206-2	E-7 D-7 5-8	Total A	ko	#049D	
480-60206-3	E-7 D-7 74-79	Total A	ko	#049D	
B1 k 480-783#92j7	Bab 1 ol trok amp	Total A	ko	#049D	

Analysis Batch: 184240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-6	E-7 1-7 74-79	Total A	ko	7070A	
480-60206-5	E-7 M-7 0-7	Total A	ko	7070A	
480-60206-8	E-7 M-7 4-9	Total A	ko	7070A	
480-60206-8 DU	E-7 M-7 4-9	Total A	ko	7070A	

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QC Association Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

General Chemistry (Continued)

Analysis Batch: 184240 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-#	E-7 A-7 0-7	Total A	ko	7070A	
480-60206-70	E-7 A-7 4-9	Total A	ko	7070A	
480-60206-77	E-7 A-2 0-7	Total A	ko	7070A	
480-60206-72	E-7 A-2 4-9	Total A	ko	7070A	
480-60206-73	E-7 M-2 0-7	Total A	ko	7070A	
B1 k 480-784240j7	Bab 1 ol troK amp	Total A	ko	7070A	

Prep Batch: 184370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	Total A	ko	5SS	
480-60206-7 DU	E-7 D-7 0-7	Total A	ko	5SS	
480-60206-2	E-7 D-7 5-8	Total A	ko	5SS	
480-60206-3	E-7 D-7 74-79	Total A	ko	5SS	
480-60206-4	E-7 1-7 0-7	Total A	ko	5SS	
480-60206-9	E-7 1-7 9-6	Total A	ko	5SS	
480-60206-6	E-7 1-7 74-79	Total A	ko	5SS	
480-60206-5	E-7 M-7 0-7	Total A	ko	5SS	
480-60206-8	E-7 M-7 4-9	Total A	ko	5SS	
480-60206-#	E-7 A-7 0-7	Total A	ko	5SS	
480-60206-70	E-7 A-7 4-9	Total A	ko	5SS	
480-60206-77	E-7 A-2 0-7	Total A	ko	5SS	
480-60206-72	E-7 A-2 4-9	Total A	ko	5SS	
480-60206-73	E-7 M-2 0-7	Total A	ko	5SS	
B1 k 480-784350j2-A	Bab 1 ol troK amp	Total A	ko	5SS	
L M480-784350j7-A	L etho/ MAl Y	Total A	ko	5SS	

Prep Batch: 184380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	Total A	ko	5SS	
480-60206-7 DU	E-7 D-7 0-7	Total A	ko	5SS	
480-60206-2	E-7 D-7 5-8	Total A	ko	5SS	
480-60206-3	E-7 D-7 74-79	Total A	ko	5SS	
480-60206-4	E-7 1-7 0-7	Total A	ko	5SS	
480-60206-9	E-7 1-7 9-6	Total A	ko	5SS	
480-60206-6	E-7 1-7 74-79	Total A	ko	5SS	
480-60206-5	E-7 M-7 0-7	Total A	ko	5SS	
480-60206-8	E-7 M-7 4-9	Total A	ko	5SS	
480-60206-#	E-7 A-7 0-7	Total A	ko	5SS	
480-60206-70	E-7 A-7 4-9	Total A	ko	5SS	
480-60206-77	E-7 A-2 0-7	Total A	ko	5SS	
480-60206-72	E-7 A-2 4-9	Total A	ko	5SS	
480-60206-73	E-7 M-2 0-7	Total A	ko	5SS	
B1 k 480-784380j2-A	Bab 1 ol troK amp	Total A	ko	5SS	
L M480-784380j7-A	L etho/ MAl Y	Total A	ko	5SS	

Analysis Batch: 184387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	Total A	ko	#072	784350
480-60206-7 DU	E-7 D-7 0-7	Total A	ko	#072	784350
480-60206-2	E-7 D-7 5-8	Total A	ko	#072	784350
480-60206-3	E-7 D-7 74-79	Total A	ko	#072	784350

TestAmerica Muffa

QC Association Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctj k ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

General Chemistry (Continued)

Analysis Batch: 184387 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-4	E-7 1-7 0-7	Total A	ko	#072	784350
480-60206-9	E-7 1-7 9-6	Total A	ko	#072	784350
480-60206-6	E-7 1-7 74-79	Total A	ko	#072	784350
480-60206-5	E-7 M-7 0-7	Total A	ko	#072	784350
480-60206-8	E-7 M-7 4-9	Total A	ko	#072	784350
480-60206-#	E-7 A-7 0-7	Total A	ko	#072	784350
480-60206-70	E-7 A-7 4-9	Total A	ko	#072	784350
480-60206-77	E-7 A-2 0-7	Total A	ko	#072	784350
480-60206-72	E-7 A-2 4-9	Total A	ko	#072	784350
480-60206-73	E-7 M-2 0-7	Total A	ko	#072	784350
B1 k 480-784350j2-A	Bab 1 ol troK amp	Total A	ko	#072	784350
L M 480-784350j7-A	L etho/ M al Y	Total A	ko	#072	784350

Analysis Batch: 184872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60206-7	E-7 D-7 0-7	Total A	ko	#034	784380
480-60206-7 DU	E-7 D-7 0-7	Total A	ko	#034	784380
480-60206-2	E-7 D-7 5-8	Total A	ko	#034	784380
480-60206-3	E-7 D-7 74-79	Total A	ko	#034	784380
480-60206-4	E-7 1-7 0-7	Total A	ko	#034	784380
480-60206-9	E-7 1-7 9-6	Total A	ko	#034	784380
480-60206-6	E-7 1-7 74-79	Total A	ko	#034	784380
480-60206-5	E-7 M-7 0-7	Total A	ko	#034	784380
480-60206-8	E-7 M-7 4-9	Total A	ko	#034	784380
480-60206-#	E-7 A-7 0-7	Total A	ko	#034	784380
480-60206-70	E-7 A-7 4-9	Total A	ko	#034	784380
480-60206-77	E-7 A-2 0-7	Total A	ko	#034	784380
480-60206-72	E-7 A-2 4-9	Total A	ko	#034	784380
480-60206-73	E-7 M-2 0-7	Total A	ko	#034	784380
B1 k 480-784380j2-A	Bab 1 ol troK amp	Total A	ko	#034	784380
L M 480-784380j7-A	L etho/ M al Y	Total A	ko	#034	784380

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60206-1

Client Sample ID: P-1 D-1 B-1

Lab Sample ID: 24B-5B8B5-1

Date Collecte7: BMDx12 11:1M

0 atri6: Soli7

Date / ecei9e7: BMDx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAtion zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			183843	05/23/14 12:47	TRG	TAL BUF
TCLP	Analysis	8260C		10	183987	05/24/14 22:07	GTG	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 16:07	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		1	184028	05/27/14 07:50	JMM	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3010A			184162	05/27/14 13:15	EHD	TAL BUF
TCLP	Analysis	6010C		1	184582	05/28/14 11:56	MTM2	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	7470A			184198	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 13:41	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183890	05/23/14 09:36	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 21:03	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 D-1 N-4

Lab Sample ID: 24B-5B8B5-8

Date Collecte7: BMDx12 11:8B

0 atri6: Soli7

Date / ecei9e7: BMDx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAtion zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			183843	05/23/14 12:47	TRG	TAL BUF
TCLP	Analysis	8260C		10	183987	05/24/14 21:43	GTG	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 16:31	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		5	184028	05/27/14 08:20	JMM	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3010A			184162	05/27/14 13:15	EHD	TAL BUF
TCLP	Analysis	6010C		1	184582	05/28/14 11:59	MTM2	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	7470A			184198	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 13:43	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183890	05/23/14 09:36	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60206-1

Client Sample ID: P-1 D-1 N-4

Lab Sample ID: 24B-5B8B5-8

Date Collecte7: BMDx12 11:8B

0 atri6: Soli7

Date / ecei9e7: BMDx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
Total/NA	Analysis	9045D		1	183952	05/23/14 21:11	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 D-1 12-1M

Lab Sample ID: 24B-5B8B5-F

Date Collecte7: BMDx12 11:85

0 atri6: Soli7

Date / ecei9e7: BMDx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			183843	05/23/14 12:47	TRG	TAL BUF
TCLP	Analysis	8260C		10	183987	05/24/14 21:20	GTG	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 16:55	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		1	184028	05/27/14 08:34	JMM	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3010A			184162	05/27/14 13:15	EHD	TAL BUF
TCLP	Analysis	6010C		1	184582	05/28/14 12:02	MTM2	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	7470A			184198	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 13:44	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183890	05/23/14 09:36	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 21:15	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 C-1 B-1

Lab Sample ID: 24B-5B8B5-2

Date Collecte7: BMDx12 11:2M

0 atri6: Soli7

Date / ecei9e7: BMDx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			183843	05/23/14 12:47	TRG	TAL BUF
TCLP	Analysis	8260C		10	183987	05/24/14 20:56	GTG	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 17:20	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		1	184028	05/27/14 08:49	JMM	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3010A			184162	05/27/14 13:15	EHD	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60206-1

Client Sample ID: P-1 C-1 B-1

Lab Sample ID: 24B-5B8B5-2

Date Collecte7: BMMdx12 11:2M

0 atri6: Soli7

Date / ecei9e7: BMMdx12 15:NB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Analysis	6010C		1	184582	05/28/14 12:05	MTM2	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	7470A			184198	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 13:46	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183890	05/23/14 09:36	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 C-1 M-5

Lab Sample ID: 24B-5B8B5-M

Date Collecte7: BMMdx12 11:FM

0 atri6: Soli7

Date / ecei9e7: BMMdx12 15:NB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			183843	05/23/14 12:47	TRG	TAL BUF
TCLP	Analysis	8260C		10	183987	05/24/14 20:33	GTG	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 17:44	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		1	184028	05/27/14 09:04	JMM	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	3010A			184164	05/27/14 13:15	EHD	TAL BUF
TCLP	Analysis	6010C		1	184583	05/28/14 12:58	MTM2	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	7470A			184197	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 13:19	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183890	05/23/14 09:36	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60206-1

Client Sample ID: P-1 C-1 12-1M

Lab Sample ID: 24B-5B8B5-5

Date Collecte7: BMMdx12 11:2B

0 atri6: Soli7

Date / ecei9e7: BMMdx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			183843	05/23/14 12:47	TRG	TAL BUF
TCLP	Analysis	8260C		10	183987	05/24/14 20:09	GTG	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 18:08	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		1	184028	05/27/14 09:19	JMM	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3010A			184162	05/27/14 13:15	EHD	TAL BUF
TCLP	Analysis	6010C		1	184582	05/28/14 12:08	MTM2	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	7470A			184198	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 13:48	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184240	05/27/14 08:49	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 v-1 B-1

Lab Sample ID: 24B-5B8B5-N

Date Collecte7: BMMdx12 11:MB

0 atri6: Soli7

Date / ecei9e7: BMMdx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			183843	05/23/14 12:47	TRG	TAL BUF
TCLP	Analysis	8260C		10	183987	05/24/14 19:45	GTG	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 18:33	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		1	184028	05/27/14 10:03	JMM	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	3010A			184164	05/27/14 13:15	EHD	TAL BUF
TCLP	Analysis	6010C		1	184583	05/28/14 13:01	MTM2	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	7470A			184197	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 13:21	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184240	05/27/14 08:49	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60206-1

Client Sample ID: P-1 v -1 B-1

Lab Sample ID: 24B-5B8B5-N

Date Collecte7: BMDx12 11:MB

0 atri6: Soli7

Date / ecei9e7: BMDx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 v -1 2-M

Lab Sample ID: 24B-5B8B5-4

Date Collecte7: BMDx12 11:MB

0 atri6: Soli7

Date / ecei9e7: BMDx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			183843	05/23/14 12:47	TRG	TAL BUF
TCLP	Analysis	8260C		10	183987	05/24/14 19:22	GTG	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 18:57	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		1	184028	05/27/14 10:18	JMM	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	3010A			184164	05/27/14 13:15	EHD	TAL BUF
TCLP	Analysis	6010C		1	184583	05/28/14 13:04	MTM2	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	7470A			184197	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 13:23	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184240	05/27/14 08:49	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 T-1 B-1

Lab Sample ID: 24B-5B8B5-d

Date Collecte7: BMDx12 11:MB

0 atri6: Soli7

Date / ecei9e7: BMDx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			183843	05/23/14 12:47	TRG	TAL BUF
TCLP	Analysis	8260C		10	183987	05/24/14 18:58	GTG	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 19:21	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		1	184028	05/27/14 10:33	JMM	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3010A			184162	05/27/14 13:15	EHD	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60206-1

Client Sample ID: P-1 T-1 B-1

Lab Sample ID: 24B-5B8B5-d

Date Collecte7: BMMdx12 11:MI

0 atri6: Soli7

Date / ecei9e7: BMMdx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Analysis	6010C		1	184582	05/28/14 12:11	MTM2	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	7470A			184198	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 13:50	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184240	05/27/14 08:49	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 T-1 2-M

Lab Sample ID: 24B-5B8B5-1B

Date Collecte7: BMMdx12 18:BB

0 atri6: Soli7

Date / ecei9e7: BMMdx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			183843	05/23/14 12:47	TRG	TAL BUF
TCLP	Analysis	8260C		10	183987	05/24/14 18:35	GTG	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 19:45	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		1	184028	05/27/14 10:48	JMM	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3010A			184162	05/27/14 13:15	EHD	TAL BUF
TCLP	Analysis	6010C		1	184582	05/28/14 12:33	MTM2	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	7470A			184198	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 14:00	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184240	05/27/14 08:49	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.

TestAmerica Job ID: 480-60206-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-1 T-8 B-1

Lab Sample ID: 24B-5B8B5-11

Date Collecte7: BMMdx12 1F:FB

0 atri6: Soli7

Date / ecei9e7: BMMdx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			184044	05/26/14 10:59	MRB	TAL BUF
TCLP	Analysis	8260C		10	184228	05/28/14 02:10	RAS	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 20:10	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		1	184028	05/27/14 11:03	JMM	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	3010A			184164	05/27/14 13:15	EHD	TAL BUF
TCLP	Analysis	6010C		1	185573	06/03/14 21:07	MTM2	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	7470A			184197	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 13:24	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184240	05/27/14 08:49	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 T-8 2-M

Lab Sample ID: 24B-5B8B5-18

Date Collecte7: BMMdx12 1F:8M

0 atri6: Soli7

Date / ecei9e7: BMMdx12 15:MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			184044	05/26/14 10:59	MRB	TAL BUF
TCLP	Analysis	8260C		10	184228	05/28/14 02:33	RAS	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 20:35	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		1	184028	05/27/14 11:18	JMM	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	3010A			184162	05/27/14 13:15	EHD	TAL BUF
TCLP	Analysis	6010C		1	184582	05/28/14 12:36	MTM2	TAL BUF
TCLP	Leach	1311			183889	05/26/14 15:32	MRB	TAL BUF
TCLP	Prep	7470A			184198	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 14:02	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184240	05/27/14 08:49	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60206-1

Client Sample ID: P-1 T-8 2-M

Lab Sample ID: 24B-5B8B5-18

Date Collected: 7/11/2014 11:58 AM

0 atri6: Soli7

Date / ecei9e7: 7/11/2014 15:15 MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 v-8 B-1

Lab Sample ID: 24B-5B8B5-1F

Date Collected: 7/11/2014 11:58 AM

0 atri6: Soli7

Date / ecei9e7: 7/11/2014 15:15 MB

Prep 3Rpe	vatch 3Rpe	vatch 0 etho7	/ An	DilAton zactor	vatch uAmber	Prepare7 or TnalRse7	TnalRyt	Lab
TCLP	Leach	1311			184044	05/26/14 10:59	MRB	TAL BUF
TCLP	Analysis	8260C		10	184228	05/28/14 02:56	RAS	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	3510C			184509	05/29/14 05:53	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184676	05/30/14 20:59	AR1	TAL BUF
Total/NA	Prep	3550C			183730	05/23/14 08:00	TRG	TAL BUF
Total/NA	Analysis	8082A		1	184028	05/27/14 11:32	JMM	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	3010A			184164	05/27/14 13:15	EHD	TAL BUF
TCLP	Analysis	6010C		1	184583	05/28/14 13:29	MTM2	TAL BUF
TCLP	Leach	1311			184042	05/26/14 10:08	MRB	TAL BUF
TCLP	Prep	7470A			184197	05/27/14 11:00	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184422	05/28/14 13:34	SS1	TAL BUF
Total/NA	Analysis	1010A		1	184240	05/27/14 08:49	RP	TAL BUF
Total/NA	Prep	7.3.3			184370	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9012		1	184387	05/28/14 10:32	LAW	TAL BUF
Total/NA	Prep	7.3.4			184380	05/27/14 23:20	LAW	TAL BUF
Total/NA	Analysis	9034		1	184872	05/30/14 00:20	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

LaboratorR/ eferencecy:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60206-7

1 roRectjSite: NYSDEC-Tonawan/ a dorFe:Siteg #79254

Laboratory: TestAmerica Buffalo

All certifications hel/ by this laboratory are liste/ . Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State 1 roFram	6	88-0686	05-06-74
California	State 1 roFram	#	776#CA	0#-30-74
Connecticut	State 1 roFram	7	1H-0968	0#-30-74
dlori/ a	NELA1	4	E85652	06-30-74
GeorFia	State 1 roFram	4	NjA	03-37-79
Illinois	NELA1	9	200003	0#-30-74
Iowa	State 1 roFram	5	354	03-07-79
Kansas	NELA1	5	E-70785	07-37-79
Kentucky (DW)	State 1 roFram	4	#002#	72-37-74
Kentucky (UST)	State 1 roFram	4	30	03-37-79
Louisiana	NELA1	6	02037	06-30-74
Maine	State 1 roFram	7	NY00044	72-04-74
Marylan/	State 1 roFram	3	2#4	03-37-79
Massachusetts	State 1 roFram	7	M-NY044	06-30-74
MichiFan	State 1 roFram	9	##35	03-37-79
Minnesota	NELA1	9	036-###-335	72-37-74
New Hampshire	NELA1	7	2335	77-75-74
New Jersey	NELA1	2	NY499	06-30-74
New York	NELA1	2	70026	03-37-79
North Dakota	State 1 roFram	8	R-756	03-37-74 *
Oklahoma	State 1 roFram	6	#427	08-37-74
OreFon	NELA1	70	NY200003	06-0#-74
1 ennsylvania	NELA1	3	68-00287	05-37-74
Rho/ e Islan/	State 1 roFram	7	LAO00328	72-30-74
Tennessee	State 1 roFram	4	TN02#50	03-37-79
Texas	NELA1	6	T704504472-77-2	05-37-74
USDA	de/ eral		1330-77-00386	77-22-74
VirFinia	NELA1	3	460789	0#-74-74
WashinFton	State 1 roFram	70	C584	02-70-79
Wisconsin	State 1 roFram	9	##83703#0	08-37-74

* Certification renewal pen/ inF - certification consi/ ere/ vali/ .

TestAmerica Buffalo

Method Summary

1 @el t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

Eroectjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Method	Method Description	Protocol	Laboratory
82601	Vo@ti@ OrFal ic 1 ompoul / s by G1 jMk	k W846	TAL BUd
8250D	k emivo@ti@ OrFal ic 1 ompoul / s (G1 jMk)	k W846	TAL BUd
8082A	Eo@ch@ril ate/ BipheI y@ (E1 Bs) by Gas 1 hromatoFraphy	k W846	TAL BUd
60701	Meta@ (I1 E)	k W846	TAL BUd
5450A_Ak E	Mercury (1 VAA)	k W846	TAL BUd
7070A	IFl itabi@y, Eel sYy-Martel s 1 @se/ 1 up Metho/	k W846	TAL BUd
#072	1 yal i/ e, Reactive	k W846	TAL BUd
#034	k u@/ e, Reactive	k W846	TAL BUd
#049D	pH	k W846	TAL BUd
Moisture	Eerel t Moisture	. EA	TAL BUd

Protocol References:

. EA = Uk . I virol mel ta@erectiol AFel cy

k W846 = "Test Metho/ s dor . va@atil F k o@ Waste, Ehysica@ hemica@Metho/ s", Thir/ . / itiol , n ovember 7#86 Al / Its Up/ atesS

Laboratory References:

TAL BUd = TestAmerica Buffa@, 70 Haze@loo/ Drive, Amherst, n w 74228-22#8, T. L (576)6#7-2600

Sample Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60206-7

EroRctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-60206-7	E-7 D-7 0-7	koQ	09j7#j74 77:79	09j7#j74 76:90
480-60206-2	E-7 D-7 5-8	koQ	09j7#j74 77:20	09j7#j74 76:90
480-60206-B	E-7 D-7 74-79	koQ	09j7#j74 77:26	09j7#j74 76:90
480-60206-4	E-7 1-7 0-7	koQ	09j7#j74 77:49	09j7#j74 76:90
480-60206-9	E-7 1-7 9-6	koQ	09j7#j74 77:B9	09j7#j74 76:90
480-60206-6	E-7 1-7 74-79	koQ	09j7#j74 77:40	09j7#j74 76:90
480-60206-5	E-7 3-7 0-7	koQ	09j7#j74 77:90	09j7#j74 76:90
480-60206-8	E-7 3-7 4-9	koQ	09j7#j74 77:90	09j7#j74 76:90
480-60206-#	E-7 A-7 0-7	koQ	09j7#j74 77:9#	09j7#j74 76:90
480-60206-70	E-7 A-7 4-9	koQ	09j7#j74 72:00	09j7#j74 76:90
480-60206-77	E-7 A-2 0-7	koQ	09j7#j74 7B:B0	09j7#j74 76:90
480-60206-72	E-7 A-2 4-9	koQ	09j7#j74 7B:29	09j7#j74 76:90
480-60206-7B	E-7 3-2 0-7	koQ	09j7#j74 7B:90	09j7#j74 76:90

CHAIN OF CUSTODY RECORD

PROJECT NO.

11176989.00006

SITE NAME

Tongawanda Forge

SAMPLERS (PRINT/SIGNATURE)

Tim Irlanch / Tam Irlanch Scott McCabe

DELIVERY SERVICE: Drop off

AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS
P-1 D-1	5/19/14	1115	C	P-1 D-1 0-1	CO	2
P-1 D-1	5/19/14	1120	C	P-1 D-1 7-8	CO	2
P-1 D-1	5/19/14	1126	C	P-1 D-1 14-15	CO	2
P-1 C-1	5/19/14	1145	C	P-1 C-1 0-1	CO	2
P-1 C-1	5/19/14	1135	C	P-1 C-1 5-6	CO	2
P-1 C-1	5/19/14	1140	C	P-1 C-1 14-15	CO	2
P-1 B-1	5/19/14	1150	C	P-1 B-1 0-1	CO	2
P-1 B-1	5/19/14	1150	C	P-1 B-1 4-5	CO	2
P-1 A-1	5/19/14	1159	C	P-1 A-1 0-1	CO	2
P-1 A-1	5/19/14	1200	C	P-1 A-1 4-5	CO	2
P-1 A-2	5/19/14	1330	C	P-1 A-2 0-1	CO	2
P-1 A-2	5/19/14	1325	C	P-1 A-2 4-5	CO	2
P-1 B-2	5/19/14	1350	C	P-1 B-2 0-1	CO	2

MATRIX CODES	AA - AMBIENT AIR	SL - SLUDGE	WG - GROUND WATER	WG - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER	WS - SURFACE WATER	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	WW - WASTE WATER	WP - DRINKING WATER	SO - SOIL	DC - DRILL CUTTINGS	WC - DRILLING WATER	WS - SURFACE WATER	WO - OCEAN WATER	LH - HAZARDOUS LIQUID WASTE
	TSR - TRIP BLANK	SDS - MATRIX SPIKE DUPLICATE	REB - RINSE BLANK	FRB - FIELD REPLICATE	NB - NORMAL ENVIRONMENTAL SAMPLE	MSB - MATRIX SPIKE				

RELINQUISHED BY (SIGNATURE)

DATE

TIME

RECEIVED BY (SIGNATURE)

DATE

TIME

RELINQUISHED BY (SIGNATURE)

DATE

TIME

RECEIVED FOR LAB BY (SIGNATURE)

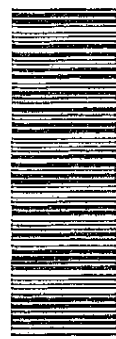
DATE

TIME

Distribution: Original accompanies shipment, copy to coordinator field files

20-22.7 / 10.8gc

URSF-07501 OF 1/GC/CR/GCM



480-60206 Chain of Custody

LAB Test America
COOLER 1 of 2
PAGE 2 of 4

BOTTLE TYPE AND PRESERVATIVE

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. (FPIIMS ONLY)
		0	1	
		7	8	
		14	15	
		0	1	
		5	6	
		12	15	
		0	1	
		4	5	
		0	1	
		4	5	

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

SPECIAL INSTRUCTIONS

For questions contact
George Krolke
716-856-5630

#1 WD (CE

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-60206-1

Login Number: 60206

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stau, Brandon M

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.	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.	True	
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	URS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-60204-1

Client Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

For:

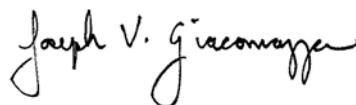
New York State D.E.C.

625 Broadway

11th Floor

Albany, New York 12233-3256

Attn: Mr. Dave Chiusano



Authorized for release by:

6/3/2014 11:57:50 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Brian Fischer, Manager of Project Management

(716)504-9835

brian.fischer@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

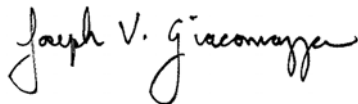
The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

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.



Joe Giacomazza
Project Management Assistant II
6/3/2014 11:57:50 AM

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Definitions/Glossary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Qualifiers

GC/MS 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/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
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
F1	MS and/or MSD Recovery exceeds the control limits
X	Surrogate is outside control 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.
B	Compound was found in the blank and sample.

General Chemistry

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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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)

Case Narrative

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60204-1

Job ID: 480-60204-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-60204-1

Receipt

The samples were received on 5/19/2014 4:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 18.8° C and 22.7° C.

GC/MS VOA

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 183934 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8260C: The following sample(s) was diluted due to the nature of the TCLP sample matrix: (480-60204-13 MS), (480-60204-13 MSD), (LB 480-183594/1-A), P-2 A-1 0-1 (480-60204-12), P-2 A-1 5-6 (480-60204-13), P-2 B-1 0-1 (480-60204-10), P-2 B-1 5-6 (480-60204-11), P-3 A-1 0-1 (480-60204-7), P-3 A-1 11-12 (480-60204-9), P-3 A-1 5-6 (480-60204-8), P-3 B-1 0-1 (480-60204-4), P-3 B-1 11-12 (480-60204-6), P-3 B-1 5-6 (480-60204-5), P-3 C-1 0-1 (480-60204-1), P-3 C-1 11-12 (480-60204-3), P-3 C-1 5-6 (480-60204-2). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method(s) 8270D: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 184278 recovered outside control limits for the following analytes: 2,4,6-Trichlorophenol and Hexachlorobenzene.

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

GC Semi VOA

Method(s) 8082, 8082A: The following samples were diluted due to the nature of the sample matrix: P-3 A-1 0-1 (480-60204-7), P-3 A-1 11-12 (480-60204-9), P-3 A-1 5-6 (480-60204-8), P-3 B-1 11-12 (480-60204-6), P-3 B-1 5-6 (480-60204-5), P-3 C-1 5-6 (480-60204-2). As such, surrogate recoveries are not representative, and elevated reporting limits (RLs) are provided.

Method(s) 8082A: The percent difference in these continuing calibration verifications exceeded 20% due to the decreased instrument response following field samples that had heavy matrix effects; (CCV 480-183743/70). Subsequent continuing calibration verifications demonstrated compliance with routine quality control criteria, verifying the temporary nature of this effect.

Method(s) 8082A: The following samples were diluted due to the nature of the sample matrix: (480-60204-1 MS), (480-60204-1 MSD), P-3 C-1 0-1 (480-60204-1), P-3 C-1 11-12 (480-60204-3). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 183536 were outside control limits for AR1016. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Metals

Method(s) 6010C: The TCLP extraction blank (LB) for batch 480-183834 contained barium above the reporting limit (RL). Associated sample(s) P-2 A-1 0-1 (480-60204-12), P-2 A-1 5-6 (480-60204-13), P-2 B-1 0-1 (480-60204-10), P-2 B-1 5-6 (480-60204-11), P-3 A-1 0-1 (480-60204-7), P-3 A-1 11-12 (480-60204-9), P-3 A-1 5-6 (480-60204-8), P-3 B-1 0-1 (480-60204-4), P-3 B-1 11-12 (480-60204-6), P-3 B-1 5-6 (480-60204-5), P-3 C-1 0-1 (480-60204-1), P-3 C-1 11-12 (480-60204-3), P-3 C-1 5-6 (480-60204-2) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the TCLP extraction blank.

Method(s) 6010C: The TCLP extraction blank for batch 480-183834 contained chromium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 6010C: The recovery of Post Spike, (480-60204-12 PDS), associated with batch 480-183834, exhibited results outside quality

Case Narrative

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60204-1

Job ID: 480-60204-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

control limits for silver, arsenic, and selenium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

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

General Chemistry

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 184278

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

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-3 C-1 0-1

Lab Sample ID: 480-60204-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	7.0		1.2	0.23	mg/Kg	5		✱	8082A	Total/NA
PCB-1254	8.1		1.2	0.54	mg/Kg	5		✱	8082A	Total/NA
PCB-1260	2.5		1.2	0.54	mg/Kg	5		✱	8082A	Total/NA
Arsenic	0.0070	J	0.015	0.0056	mg/L	1			6010C	TCLP
Barium	0.58	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.045		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.0068	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.045		0.010	0.0030	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.42		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-3 C-1 5-6

Lab Sample ID: 480-60204-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	14		2.8	0.55	mg/Kg	10		✱	8082A	Total/NA
PCB-1254	14		2.8	1.3	mg/Kg	10		✱	8082A	Total/NA
PCB-1260	3.4		2.8	1.3	mg/Kg	10		✱	8082A	Total/NA
Arsenic	0.040		0.015	0.0056	mg/L	1			6010C	TCLP
Barium	2.0	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.058		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.35	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	1.7		0.010	0.0030	mg/L	1			6010C	TCLP
Silver	0.0059	J	0.0060	0.0017	mg/L	1			6010C	TCLP
Mercury	0.0013		0.00020	0.00012	mg/L	1			7470A_ASP	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.49		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-3 C-1 11-12

Lab Sample ID: 480-60204-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethene	0.0076	J	0.010	0.0029	mg/L	10			8260C	TCLP
PCB-1248	22		1.3	0.24	mg/Kg	5		✱	8082A	Total/NA
PCB-1254	14		1.3	0.59	mg/Kg	5		✱	8082A	Total/NA
PCB-1260	4.3		1.3	0.59	mg/Kg	5		✱	8082A	Total/NA
Arsenic	0.047		0.015	0.0056	mg/L	1			6010C	TCLP
Barium	2.2	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.051		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.41	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	1.7		0.010	0.0030	mg/L	1			6010C	TCLP
Selenium	0.014	J	0.025	0.0087	mg/L	1			6010C	TCLP
Silver	0.0068		0.0060	0.0017	mg/L	1			6010C	TCLP
Mercury	0.0021		0.00020	0.00012	mg/L	1			7470A_ASP	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	7.98		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-3 B-1 0-1

Lab Sample ID: 480-60204-4

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-3 B-1 0-1 (Continued)

Lab Sample ID: 480-60204-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	2.9		0.30	0.058	mg/Kg	1		✱	8082A	Total/NA
PCB-1254	3.2		0.30	0.14	mg/Kg	1		✱	8082A	Total/NA
PCB-1260	1.0		0.30	0.14	mg/Kg	1		✱	8082A	Total/NA
Arsenic	0.0063	J	0.015	0.0056	mg/L	1			6010C	TCLP
Barium	0.48	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.014		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.0094	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.0050	J	0.010	0.0030	mg/L	1			6010C	TCLP
Selenium	0.014	J	0.025	0.0087	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	7.95		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-3 B-1 5-6

Lab Sample ID: 480-60204-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1254	80		6.8	3.2	mg/Kg	20		✱	8082A	Total/NA
Barium	0.33	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.018		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.0098	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.0063	J	0.010	0.0030	mg/L	1			6010C	TCLP
Selenium	0.015	J	0.025	0.0087	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	7.63		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-3 B-1 11-12

Lab Sample ID: 480-60204-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1254	36		6.6	3.1	mg/Kg	20		✱	8082A	Total/NA
Arsenic	0.033		0.015	0.0056	mg/L	1			6010C	TCLP
Barium	0.61	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.014		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.23	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.45		0.010	0.0030	mg/L	1			6010C	TCLP
Mercury	0.00012	J	0.00020	0.00012	mg/L	1			7470A_ASP	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	7.60		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-3 A-1 0-1

Lab Sample ID: 480-60204-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	52		5.7	1.1	mg/Kg	20		✱	8082A	Total/NA
PCB-1254	100		5.7	2.7	mg/Kg	20		✱	8082A	Total/NA
Arsenic	0.020		0.015	0.0056	mg/L	1			6010C	TCLP
Barium	0.84	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.028		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.12	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.52		0.010	0.0030	mg/L	1			6010C	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-3 A-1 0-1 (Continued)

Lab Sample ID: 480-60204-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Selenium	0.011	J	0.025	0.0087	mg/L	1			6010C	TCLP
Mercury	0.00021		0.00020	0.00012	mg/L	1			7470A_ASP	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.00		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-3 A-1 5-6

Lab Sample ID: 480-60204-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
3-Methylphenol	0.00054	J	0.010	0.00040	mg/L	1			8270D	TCLP
4-Methylphenol	0.00054	J	0.010	0.00036	mg/L	1			8270D	TCLP
PCB-1248	160		16	3.2	mg/Kg	50		✱	8082A	Total/NA
PCB-1254	400		16	7.6	mg/Kg	50		✱	8082A	Total/NA
Barium	0.33	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.034		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.012	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.091		0.010	0.0030	mg/L	1			6010C	TCLP
Selenium	0.014	J	0.025	0.0087	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.28		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-3 A-1 11-12

Lab Sample ID: 480-60204-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
3-Methylphenol	0.0044	J	0.010	0.00040	mg/L	1			8270D	TCLP
4-Methylphenol	0.0044	J	0.010	0.00036	mg/L	1			8270D	TCLP
PCB-1254	250		19	9.1	mg/Kg	50		✱	8082A	Total/NA
Barium	0.40	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.045		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.020	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.49		0.010	0.0030	mg/L	1			6010C	TCLP
Selenium	0.011	J	0.025	0.0087	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.11		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-2 B-1 0-1

Lab Sample ID: 480-60204-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethene	0.0051	J	0.010	0.0029	mg/L	10			8260C	TCLP
PCB-1248	2.1		0.26	0.051	mg/Kg	1		✱	8082A	Total/NA
PCB-1254	2.1		0.26	0.12	mg/Kg	1		✱	8082A	Total/NA
Arsenic	0.032		0.015	0.0056	mg/L	1			6010C	TCLP
Barium	0.90	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.013		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.18	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.23		0.010	0.0030	mg/L	1			6010C	TCLP
Selenium	0.015	J	0.025	0.0087	mg/L	1			6010C	TCLP
Mercury	0.00015	J	0.00020	0.00012	mg/L	1			7470A_ASP	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-2 B-1 0-1 (Continued)

Lab Sample ID: 480-60204-10

Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.36		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-2 B-1 5-6

Lab Sample ID: 480-60204-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethene	0.026		0.010	0.0029	mg/L	10			8260C	TCLP
PCB-1248	2.2		0.63	0.12	mg/Kg	1			8082A	Total/NA
PCB-1254	1.9		0.63	0.30	mg/Kg	1			8082A	Total/NA
Arsenic	0.018		0.015	0.0056	mg/L	1			6010C	TCLP
Barium	0.66	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.0077		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.084	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.23		0.010	0.0030	mg/L	1			6010C	TCLP
Selenium	0.011	J	0.025	0.0087	mg/L	1			6010C	TCLP
Mercury	0.00096		0.00020	0.00012	mg/L	1			7470A_ASP	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.16		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-2 A-1 0-1

Lab Sample ID: 480-60204-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethene	0.029		0.010	0.0029	mg/L	10			8260C	TCLP
PCB-1248	1.3		0.35	0.069	mg/Kg	1			8082A	Total/NA
PCB-1254	1.8		0.35	0.17	mg/Kg	1			8082A	Total/NA
Barium	0.83	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.00085	J	0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.0091	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.011		0.010	0.0030	mg/L	1			6010C	TCLP
Selenium	0.015	J	0.025	0.0087	mg/L	1			6010C	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.23		0.100	0.100	SU	1			9045D	Total/NA

Client Sample ID: P-2 A-1 5-6

Lab Sample ID: 480-60204-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1248	4.3		0.36	0.070	mg/Kg	1			8082A	Total/NA
PCB-1254	5.8		0.36	0.17	mg/Kg	1			8082A	Total/NA
Arsenic	0.055		0.015	0.0056	mg/L	1			6010C	TCLP
Barium	0.58	B	0.0020	0.00070	mg/L	1			6010C	TCLP
Cadmium	0.0059		0.0020	0.00050	mg/L	1			6010C	TCLP
Chromium	0.058	B	0.0040	0.0010	mg/L	1			6010C	TCLP
Lead	0.079		0.010	0.0030	mg/L	1			6010C	TCLP
Mercury	0.00036		0.00020	0.00012	mg/L	1			7470A_ASP	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1			1010A	Total/NA
pH	8.57		0.100	0.100	SU	1			9045D	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-P C-7 0-7

Lab Sample ID: 480-60204-7

Date Cr lletex: 0d7/ 74 08:44

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOg C&S - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQaex	Dil Tao
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/14 00:49	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/14 00:49	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/14 00:49	10
Benzene	ND		0.010	0.0041	mg/L			05/24/14 00:49	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/14 00:49	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/14 00:49	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/14 00:49	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/14 00:49	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/14 00:49	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/14 00:49	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		00 - 163		75/24/14 779:	17
4-Bromofluorobenzene (Surr)	: 5		36 - 127		75/24/14 779:	17
Toluene-d8 (Surr)	: 5		31 - 120		75/24/14 779:	17

Bet3r x: 82QDD - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQaex	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/28/14 06:10	05/30/14 18:21	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/28/14 06:10	05/30/14 18:21	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L		05/28/14 06:10	05/30/14 18:21	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/28/14 06:10	05/30/14 18:21	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/28/14 06:10	05/30/14 18:21	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/28/14 06:10	05/30/14 18:21	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 18:21	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 18:21	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 18:21	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 18:21	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 18:21	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 18:21	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	88		52 - 162	75/28/14 70917	75/67/14 18921	1
2-Fluorobiphenyl	05		48 - 127	75/28/14 70917	75/67/14 18921	1
2-Fluorophenol	68		27 - 127	75/28/14 70917	75/67/14 18921	1
Nitrobenzene-d5	04		40 - 127	75/28/14 70917	75/67/14 18921	1
p-Terphenyl-d14	84		03 - 157	75/28/14 70917	75/67/14 18921	1
Phenol-d5	23		10 - 127	75/28/14 70917	75/67/14 18921	1

Bet3r x: 8082G - 1r lQo3lr 5natex) ip3enQs f1C) s(bOgas C35r matr V5ap30

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQaex	Dil Tao
PCB-1016	ND		1.2	0.23	mg/Kg	✱	05/21/14 19:52	05/24/14 00:34	5
PCB-1221	ND		1.2	0.23	mg/Kg	✱	05/21/14 19:52	05/24/14 00:34	5
PCB-1232	ND		1.2	0.23	mg/Kg	✱	05/21/14 19:52	05/24/14 00:34	5
PCB-1242	ND		1.2	0.23	mg/Kg	✱	05/21/14 19:52	05/24/14 00:34	5
1C) -7248	Q9		1.2	0.23	mg/Kg	✱	05/21/14 19:52	05/24/14 00:34	5
1C) -72d4	817		1.2	0.54	mg/Kg	✱	05/21/14 19:52	05/24/14 00:34	5
1C) -7260	2M		1.2	0.54	mg/Kg	✱	05/21/14 19:52	05/24/14 00:34	5
PCB-1262	ND		1.2	0.54	mg/Kg	✱	05/21/14 19:52	05/24/14 00:34	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-P C-7 0-7

Lab Sample ID: 480-60204-7

Date Cr Ileotex: 0d7/ 74 08:44

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

1 e5oent Sr lixs: 8612

Bet3r x: 8082G - 1 r IO3lr 5natex) ip3enQs f1 C) s(bOG as C35r matr V5ap3OfCr ntinuex(

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
PCB-1268	ND		1.2	0.54	mg/Kg	☆	05/21/14 19:52	05/24/14 00:34	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		40 - 135	75/21/14 1: 52	75/24/14 7794	5
DCB Decachlorobiphenyl	: 2		43 - 130	75/21/14 1: 52	75/24/14 7794	5

Bet3r x: 6070C - Betals flC1(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
G5senio	0100Q		0.015	0.0056	mg/L		05/23/14 14:00	05/28/14 13:43	1
) a5um	0H18		0.0020	0.00070	mg/L		05/23/14 14:00	05/28/14 13:43	1
Caxmium	0104d		0.0020	0.00050	mg/L		05/23/14 14:00	05/28/14 13:43	1
C35r mium	01068		0.0040	0.0010	mg/L		05/23/14 14:00	05/28/14 13:43	1
Leax	0104d		0.010	0.0030	mg/L		05/23/14 14:00	05/28/14 13:43	1
Selenium	ND		0.025	0.0087	mg/L		05/23/14 14:00	05/28/14 13:43	1
Silver	ND		0.0060	0.0017	mg/L		05/23/14 14:00	05/28/14 13:43	1

Bet3r x: Q4QJGS1 - Be5ou5OfCvGG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Mercury	ND		0.00020	0.00012	mg/L		05/23/14 13:15	05/23/14 16:34	1

g ene5al C3emist50

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/23/14 21:10	05/26/14 09:10	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/23/14 21:10	05/26/14 08:15	1
GnalQte	Result	z ualiUe5	RL	RL	F nit	D	15epa5ex	GnalQte	Dil Tao
Tias3pr int	7C610		50.0	50.0	Degrees F			05/22/14 09:03	1
p>	842		0.100	0.100	SU			05/23/14 20:25	1

Client Sample ID: 1-P C-7 d-6

Lab Sample ID: 480-60204-2

Date Cr Ileotex: 0d7/ 74 08:d/

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOG C6BS - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/14 01:12	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/14 01:12	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/14 01:12	10
Benzene	ND		0.010	0.0041	mg/L			05/24/14 01:12	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/14 01:12	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/14 01:12	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/14 01:12	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/14 01:12	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/14 01:12	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/14 01:12	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		00 - 163		75/24/14 7192	17
4-Bromofluorobenzene (Surr)	: 1		36 - 127		75/24/14 7192	17
Toluene-d8 (Surr)	: 6		31 - 120		75/24/14 7192	17

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-PC-7 d-6

Lab Sample ID: 480-60204-2

Date Cr Ileotex: 0d5/ 54 08:d/

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 82QD - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/28/14 06:10	05/30/14 18:44	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/28/14 06:10	05/30/14 18:44	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L		05/28/14 06:10	05/30/14 18:44	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/28/14 06:10	05/30/14 18:44	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/28/14 06:10	05/30/14 18:44	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/28/14 06:10	05/30/14 18:44	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 18:44	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 18:44	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 18:44	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 18:44	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 18:44	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 18:44	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	: 5		52 - 162	75/28/14 70917	75/67/14 18914	1
2-Fluorobiphenyl	31		48 - 127	75/28/14 70917	75/67/14 18914	1
2-Fluorophenol	6:		27 - 127	75/28/14 70917	75/67/14 18914	1
Nitrobenzene-d5	03		40 - 127	75/28/14 70917	75/67/14 18914	1
p-Terphenyl-d14	80		03 - 157	75/28/14 70917	75/67/14 18914	1
Phenol-d5	2:		10 - 127	75/28/14 70917	75/67/14 18914	1

Bet3r x: 8082G - 1 r IQ3lr 5natex) ip3enQs f1 C) s(bOgas C35r matr V5ap30

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
PCB-1016	ND		2.8	0.55	mg/Kg	✱	05/21/14 19:52	05/24/14 00:49	10
PCB-1221	ND		2.8	0.55	mg/Kg	✱	05/21/14 19:52	05/24/14 00:49	10
PCB-1232	ND		2.8	0.55	mg/Kg	✱	05/21/14 19:52	05/24/14 00:49	10
PCB-1242	ND		2.8	0.55	mg/Kg	✱	05/21/14 19:52	05/24/14 00:49	10
1C) -7248	74		2.8	0.55	mg/Kg	✱	05/21/14 19:52	05/24/14 00:49	10
1C) -72d4	74		2.8	1.3	mg/Kg	✱	05/21/14 19:52	05/24/14 00:49	10
1C) -7260	PM		2.8	1.3	mg/Kg	✱	05/21/14 19:52	05/24/14 00:49	10
PCB-1262	ND		2.8	1.3	mg/Kg	✱	05/21/14 19:52	05/24/14 00:49	10
PCB-1268	ND		2.8	1.3	mg/Kg	✱	05/21/14 19:52	05/24/14 00:49	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	07		40 - 135	75/21/14 1: 952	75/24/14 779:	17
DCB Decachlorobiphenyl	53		43 - 130	75/21/14 1: 952	75/24/14 779:	17

Bet3r x: 6070C - Betals f1C1(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
G5senio	01040		0.015	0.0056	mg/L		05/23/14 14:00	05/28/14 13:46	1
) a5um	210)		0.0020	0.00070	mg/L		05/23/14 14:00	05/28/14 13:46	1
Caxmium	010d8		0.0020	0.00050	mg/L		05/23/14 14:00	05/28/14 13:46	1
C35r mium	0HPd)		0.0040	0.0010	mg/L		05/23/14 14:00	05/28/14 13:46	1
Leax	71Q		0.010	0.0030	mg/L		05/23/14 14:00	05/28/14 13:46	1
Selenium	ND		0.025	0.0087	mg/L		05/23/14 14:00	05/28/14 13:46	1
Sil9e5	0100d/ .		0.0060	0.0017	mg/L		05/23/14 14:00	05/28/14 13:46	1

Bet3r x: Q1QJGS1 - Be5ou5OfCv GG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Be5ou50	01007P		0.00020	0.00012	mg/L		05/23/14 13:15	05/23/14 16:36	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-P C-7 d-6

Lab Sample ID: 480-60204-2

Date Cr Ileotex: 0d7/ 74 08:d/

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

gene5al C3emist50

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/23/14 21:10	05/26/14 09:10	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/23/14 21:10	05/26/14 08:15	1
GnalQte	Result	z ualiUe5	RL	RL	F nit	D	15epa5ex	GnalQte	Dil Tao
Tias3pr int	7G6H		50.0	50.0	Degrees F			05/22/14 09:03	1
p>	8H/		0.100	0.100	SU			05/23/14 20:29	1

Client Sample ID: 1-P C-7 77-72

Lab Sample ID: 480-60204-P

Date Cr Ileotex: 0d7/ 74 0/ :72

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOg C&S - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
7,7-Dio3lr 5ret3ene	0H0G6		0.010	0.0029	mg/L			05/24/14 01:35	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/14 01:35	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/14 01:35	10
Benzene	ND		0.010	0.0041	mg/L			05/24/14 01:35	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/14 01:35	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/14 01:35	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/14 01:35	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/14 01:35	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/14 01:35	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/14 01:35	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		00 - 163		75/24/14 71965	17
4-Bromofluorobenzene (Surr)	: 1		36 - 127		75/24/14 71965	17
Toluene-d8 (Surr)	: 2		31 - 120		75/24/14 71965	17

Bet3r x: 82QDD - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/28/14 06:10	05/30/14 19:07	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/28/14 06:10	05/30/14 19:07	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L		05/28/14 06:10	05/30/14 19:07	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/28/14 06:10	05/30/14 19:07	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/28/14 06:10	05/30/14 19:07	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/28/14 06:10	05/30/14 19:07	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 19:07	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 19:07	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 19:07	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 19:07	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 19:07	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 19:07	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	: 0		52 - 162	75/28/14 70917	75/67/14 1: 973	1
2-Fluorobiphenyl	30		48 - 127	75/28/14 70917	75/67/14 1: 973	1
2-Fluorophenol	46		27 - 127	75/28/14 70917	75/67/14 1: 973	1
Nitrobenzene-d5	32		40 - 127	75/28/14 70917	75/67/14 1: 973	1
p-Terphenyl-d14	: 7		03 - 157	75/28/14 70917	75/67/14 1: 973	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60204-1

Client Sample ID: 1-P-C-7 77-72

Lab Sample ID: 480-60204-P

Date Cr Ileotex: 0d7/ 74 0/ :72

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

Bet3r x: 82QD - Semi9r latile h 5Vanio Cr mpr unxs fg C&BS(- yCL1 fCr ntinueux(

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	61		10 - 127	75/28/14 70917	75/67/14 1: 973	1

Bet3r x: 8082G - 1r IQo3lr 5natex) ip3enQs f1C) s(bOg as C35r matr V5ap3O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
PCB-1016	ND		1.3	0.24	mg/Kg	*	05/21/14 19:52	05/24/14 01:03	5
PCB-1221	ND		1.3	0.24	mg/Kg	*	05/21/14 19:52	05/24/14 01:03	5
PCB-1232	ND		1.3	0.24	mg/Kg	*	05/21/14 19:52	05/24/14 01:03	5
PCB-1242	ND		1.3	0.24	mg/Kg	*	05/21/14 19:52	05/24/14 01:03	5
1C) -7248	22		1.3	0.24	mg/Kg	*	05/21/14 19:52	05/24/14 01:03	5
1C) -72d4	74		1.3	0.59	mg/Kg	*	05/21/14 19:52	05/24/14 01:03	5
1C) -7260	4HP		1.3	0.59	mg/Kg	*	05/21/14 19:52	05/24/14 01:03	5
PCB-1262	ND		1.3	0.59	mg/Kg	*	05/21/14 19:52	05/24/14 01:03	5
PCB-1268	ND		1.3	0.59	mg/Kg	*	05/21/14 19:52	05/24/14 01:03	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	33		40 - 135	75/21/14 1: 52	75/24/14 71976	5
DCB Decachlorobiphenyl	31		43 - 130	75/21/14 1: 52	75/24/14 71976	5

Bet3r x: 6070C - Betals f1C1(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
G5senio	0104Q		0.015	0.0056	mg/L	-	05/23/14 14:00	05/28/14 13:49	1
) a5um	212)		0.0020	0.00070	mg/L	-	05/23/14 14:00	05/28/14 13:49	1
Caxmium	010d7		0.0020	0.00050	mg/L	-	05/23/14 14:00	05/28/14 13:49	1
C35r mium	0147)		0.0040	0.0010	mg/L	-	05/23/14 14:00	05/28/14 13:49	1
Leax	71Q		0.010	0.0030	mg/L	-	05/23/14 14:00	05/28/14 13:49	1
Selenium	01074 .		0.025	0.0087	mg/L	-	05/23/14 14:00	05/28/14 13:49	1
Sil9e5	010068		0.0060	0.0017	mg/L	-	05/23/14 14:00	05/28/14 13:49	1

Bet3r x: Q1Q0GJGS1 - Be5ou5OfCvGG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Be5ou5O	010027		0.00020	0.00012	mg/L	-	05/23/14 13:15	05/23/14 16:37	1

gene5al C3emist5O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg	-	05/23/14 21:10	05/26/14 09:10	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg	-	05/23/14 21:10	05/26/14 08:15	1
GnalQte	Result	z ualiUe5	RL	RL	F nit	D	15epa5ex	GnalQte	Dil Tao
Tias3pr int	7Q510		50.0	50.0	Degrees F	-		05/22/14 09:03	1
p>	Q18		0.100	0.100	SU	-		05/22/14 20:09	1

Client Sample ID: 1-P) -7 0-7

Lab Sample ID: 480-60204-4

Date Cr Ileotex: 0d7/ 74 0/ :2P

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOg C&BS - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
1,1-Dichloroethene	ND		0.010	0.0029	mg/L	-		05/24/14 01:58	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L	-		05/24/14 01:58	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L	-		05/24/14 01:58	10
Benzene	ND		0.010	0.0041	mg/L	-		05/24/14 01:58	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-P) -7 0-7

Lab Sample ID: 480-60204-4

Date Cr Ileotex: 0d5/ 54 0/ :2P

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 8260C - v r latile h 5Vanio Cr mpr unxs bOg C&S - yCL1 fCr ntinuex(

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQex	Dil Tao
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/14 01:58	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/14 01:58	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/14 01:58	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/14 01:58	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/14 01:58	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/14 01:58	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		00 - 163		75/24/14 71958	17
4-Bromofluorobenzene (Surr)	8:		36 - 127		75/24/14 71958	17
Toluene-d8 (Surr)	: 1		31 - 120		75/24/14 71958	17

Bet3r x: 8200D - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQex	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/28/14 06:10	05/30/14 19:30	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/28/14 06:10	05/30/14 19:30	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L		05/28/14 06:10	05/30/14 19:30	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/28/14 06:10	05/30/14 19:30	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/28/14 06:10	05/30/14 19:30	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/28/14 06:10	05/30/14 19:30	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 19:30	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 19:30	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 19:30	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 19:30	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 19:30	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 19:30	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	: 3		52 - 162	75/28/14 70917	75/67/14 1: 957	1
2-Fluorobiphenyl	34		48 - 127	75/28/14 70917	75/67/14 1: 957	1
2-Fluorophenol	41		27 - 127	75/28/14 70917	75/67/14 1: 957	1
Nitrobenzene-d5	31		40 - 127	75/28/14 70917	75/67/14 1: 957	1
p-Terphenyl-d14	: 7		03 - 157	75/28/14 70917	75/67/14 1: 957	1
Phenol-d5	2:		10 - 127	75/28/14 70917	75/67/14 1: 957	1

Bet3r x: 8082G - 1r lOo3lr 5natex) ip3enQs f1C) s(bOgas C35r matr V5ap3O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQex	Dil Tao
PCB-1016	ND		0.30	0.058	mg/Kg	☆	05/21/14 19:52	05/24/14 01:18	1
PCB-1221	ND		0.30	0.058	mg/Kg	☆	05/21/14 19:52	05/24/14 01:18	1
PCB-1232	ND		0.30	0.058	mg/Kg	☆	05/21/14 19:52	05/24/14 01:18	1
PCB-1242	ND		0.30	0.058	mg/Kg	☆	05/21/14 19:52	05/24/14 01:18	1
1C) -7248	2M		0.30	0.058	mg/Kg	☆	05/21/14 19:52	05/24/14 01:18	1
1C) -72d4	PI2		0.30	0.14	mg/Kg	☆	05/21/14 19:52	05/24/14 01:18	1
1C) -7260	710		0.30	0.14	mg/Kg	☆	05/21/14 19:52	05/24/14 01:18	1
PCB-1262	ND		0.30	0.14	mg/Kg	☆	05/21/14 19:52	05/24/14 01:18	1
PCB-1268	ND		0.30	0.14	mg/Kg	☆	05/21/14 19:52	05/24/14 01:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	32		40 - 135	75/21/14 1: 952	75/24/14 71918	1
DCB Decachlorobiphenyl	31		43 - 130	75/21/14 1: 952	75/24/14 71918	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-P) -7 0-7

Lab Sample ID: 480-60204-4

Date Cr Illeotex: 0d5/ 54 0/ :2P

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 6070C - Betals f1C1(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
G5senio	01006P	.	0.015	0.0056	mg/L	-	05/23/14 14:00	05/28/14 13:52	1
) a5um	0148	)	0.0020	0.00070	mg/L	-	05/23/14 14:00	05/28/14 13:52	1
Caxmium	01074		0.0020	0.00050	mg/L	-	05/23/14 14:00	05/28/14 13:52	1
C35r mium	0100/ 4	)	0.0040	0.0010	mg/L	-	05/23/14 14:00	05/28/14 13:52	1
Leax	0100d0	.	0.010	0.0030	mg/L	-	05/23/14 14:00	05/28/14 13:52	1
Selenium	01074	.	0.025	0.0087	mg/L	-	05/23/14 14:00	05/28/14 13:52	1
Silver	ND		0.0060	0.0017	mg/L	-	05/23/14 14:00	05/28/14 13:52	1

Bet3r x: Q4QJGS1 - Be5ou5OfCvGG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Mercury	ND		0.00020	0.00012	mg/L	-	05/23/14 13:15	05/23/14 16:39	1

gene5al C3emist50

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg	-	05/23/14 21:10	05/26/14 09:10	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg	-	05/23/14 21:10	05/26/14 08:15	1
GnalQte	Result	z ualiUe5	RL	RL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Tias3pr int	_7Q610		50.0	50.0	Degrees F	-		05/22/14 09:03	1
p>	Q1d		0.100	0.100	SU	-		05/23/14 20:33	1

Client Sample ID: 1-P) -7 d-6

Lab Sample ID: 480-60204-d

Date Cr Illeotex: 0d5/ 54 0/ :Pd

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOg C&S - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
1,1-Dichloroethene	ND		0.010	0.0029	mg/L	-		05/24/14 02:21	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L	-		05/24/14 02:21	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L	-		05/24/14 02:21	10
Benzene	ND		0.010	0.0041	mg/L	-		05/24/14 02:21	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L	-		05/24/14 02:21	10
Chlorobenzene	ND		0.010	0.0075	mg/L	-		05/24/14 02:21	10
Chloroform	ND		0.010	0.0034	mg/L	-		05/24/14 02:21	10
Tetrachloroethene	ND		0.010	0.0036	mg/L	-		05/24/14 02:21	10
Trichloroethene	ND		0.010	0.0046	mg/L	-		05/24/14 02:21	10
Vinyl chloride	ND		0.010	0.0090	mg/L	-		05/24/14 02:21	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		00 - 163		75/24/14 7291	17
4-Bromofluorobenzene (Surr)	8:		36 - 127		75/24/14 7291	17
Toluene-d8 (Surr)	: 2		31 - 120		75/24/14 7291	17

Bet3r x: 820D - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L	-	05/28/14 06:10	05/30/14 19:53	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L	-	05/28/14 06:10	05/30/14 19:53	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L	-	05/28/14 06:10	05/30/14 19:53	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L	-	05/28/14 06:10	05/30/14 19:53	1
Hexachloroethane	ND		0.0050	0.00059	mg/L	-	05/28/14 06:10	05/30/14 19:53	1
3-Methylphenol	ND		0.010	0.00040	mg/L	-	05/28/14 06:10	05/30/14 19:53	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-P) -7 d-6

Lab Sample ID: 480-60204-d

Date Cr Ileotex: 0d5/ 54 0/ :Pd

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 82QD - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1 fCr ntinueux(

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 19:53	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 19:53	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 19:53	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 19:53	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 19:53	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 19:53	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	: 2		52 - 162	75/28/14 70917	75/67/14 1: 56	1
2-Fluorobiphenyl	82		48 - 127	75/28/14 70917	75/67/14 1: 56	1
2-Fluorophenol	57		27 - 127	75/28/14 70917	75/67/14 1: 56	1
Nitrobenzene-d5	84		40 - 127	75/28/14 70917	75/67/14 1: 56	1
p-Terphenyl-d14	83		03 - 157	75/28/14 70917	75/67/14 1: 56	1
Phenol-d5	66		10 - 127	75/28/14 70917	75/67/14 1: 56	1

Bet3r x: 8082G - 1r IQo3lr 5natex) ip3enQs f1C) s(bOgas C35r matr V5ap3O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
PCB-1016	ND		6.8	1.3	mg/Kg	✱	05/21/14 19:52	05/24/14 01:33	20
PCB-1221	ND		6.8	1.3	mg/Kg	✱	05/21/14 19:52	05/24/14 01:33	20
PCB-1232	ND		6.8	1.3	mg/Kg	✱	05/21/14 19:52	05/24/14 01:33	20
PCB-1242	ND		6.8	1.3	mg/Kg	✱	05/21/14 19:52	05/24/14 01:33	20
PCB-1248	ND		6.8	1.3	mg/Kg	✱	05/21/14 19:52	05/24/14 01:33	20
1C) -72d4	80		6.8	3.2	mg/Kg	✱	05/21/14 19:52	05/24/14 01:33	20
PCB-1260	ND		6.8	3.2	mg/Kg	✱	05/21/14 19:52	05/24/14 01:33	20
PCB-1262	ND		6.8	3.2	mg/Kg	✱	05/21/14 19:52	05/24/14 01:33	20
PCB-1268	ND		6.8	3.2	mg/Kg	✱	05/21/14 19:52	05/24/14 01:33	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	7	X	40 - 135	75/21/14 1: 52	75/24/14 7156	27
DCB Decachlorobiphenyl	7	X	43 - 130	75/21/14 1: 52	75/24/14 7156	27

Bet3r x: 6070C - Betals f1C1(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Arsenic	ND		0.015	0.0056	mg/L		05/23/14 14:00	05/29/14 15:12	1
) a5um	0HPP)		0.0020	0.00070	mg/L		05/23/14 14:00	05/29/14 15:12	1
Caxmium	0H78		0.0020	0.00050	mg/L		05/23/14 14:00	05/29/14 15:12	1
C35r mium	0H0/ 8)		0.0040	0.0010	mg/L		05/23/14 14:00	05/29/14 15:12	1
Leax	0H06P .		0.010	0.0030	mg/L		05/23/14 14:00	05/29/14 15:12	1
Selenium	0H7d .		0.025	0.0087	mg/L		05/23/14 14:00	05/29/14 15:12	1
Silver	ND		0.0060	0.0017	mg/L		05/23/14 14:00	05/29/14 15:12	1

Bet3r x: Q4QJGS1 - Be5ou5OfCvGG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Mercury	ND		0.00020	0.00012	mg/L		05/23/14 13:15	05/23/14 16:40	1

gene5al C3emist5O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/23/14 21:10	05/26/14 09:10	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/23/14 21:10	05/26/14 08:15	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-P) -7 d-6

Lab Sample ID: 480-60204-d

Date Cr Ileotex: 0d0/ 04 0/ :Pd

Bat5M Sr lix

Date Reoei9ex: 0d0/ 04 76:d0

GnalQte	Result	z ualiUe5	RL	RL	F nit	D	1 5epa5ex	GnalQex	Dil Tao
Tias3pr int	70610		50.0	50.0	Degrees F			05/22/14 09:03	1
p>	Q6P		0.100	0.100	SU			05/23/14 20:37	1

Client Sample ID: 1-P) -7 77-72

Lab Sample ID: 480-60204-6

Date Cr Ileotex: 0d0/ 04 70:00

Bat5M Sr lix

Date Reoei9ex: 0d0/ 04 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOG C&S - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQex	Dil Tao
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/14 02:44	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/14 02:44	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/14 02:44	10
Benzene	ND		0.010	0.0041	mg/L			05/24/14 02:44	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/14 02:44	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/14 02:44	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/14 02:44	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/14 02:44	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/14 02:44	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/14 02:44	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		00 - 163		75/24/14 72914	17
4-Bromofluorobenzene (Surr)	83		36 - 127		75/24/14 72914	17
Toluene-d8 (Surr)	8:		31 - 120		75/24/14 72914	17

Bet3r x: 8200D - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQex	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/28/14 06:10	05/30/14 20:16	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/28/14 06:10	05/30/14 20:16	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L		05/28/14 06:10	05/30/14 20:16	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/28/14 06:10	05/30/14 20:16	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/28/14 06:10	05/30/14 20:16	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/28/14 06:10	05/30/14 20:16	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 20:16	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 20:16	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 20:16	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 20:16	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 20:16	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 20:16	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	11		52 - 162	75/28/14 70917	75/67/14 27910	1
2-Fluorobiphenyl	80		48 - 127	75/28/14 70917	75/67/14 27910	1
2-Fluorophenol	51		27 - 127	75/28/14 70917	75/67/14 27910	1
Nitrobenzene-d5	85		40 - 127	75/28/14 70917	75/67/14 27910	1
p-Terphenyl-d14	88		03 - 157	75/28/14 70917	75/67/14 27910	1
Phenol-d5	65		10 - 127	75/28/14 70917	75/67/14 27910	1

Bet3r x: 8082G - 1r lOo3lr 5natex) ip3enQs f1C) s(bOG as C35r matr V5ap3O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQex	Dil Tao
PCB-1016	ND		6.6	1.3	mg/Kg	☆	05/21/14 19:52	05/24/14 01:48	20

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-P) -7 77-72

Lab Sample ID: 480-60204-6

Date Cr Ileotex: 0d7/ 74 70:00

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

1 e5oent Sr lixs: 6dl#

Bet3r x: 8082G - 1 r IO3lr 5natex) ip3enQs f1 C) s(bOG as C35r matr V5ap3OfCr ntinuex(

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQaex	Dil Tao
PCB-1221	ND		6.6	1.3	mg/Kg	☆	05/21/14 19:52	05/24/14 01:48	20
PCB-1232	ND		6.6	1.3	mg/Kg	☆	05/21/14 19:52	05/24/14 01:48	20
PCB-1242	ND		6.6	1.3	mg/Kg	☆	05/21/14 19:52	05/24/14 01:48	20
PCB-1248	ND		6.6	1.3	mg/Kg	☆	05/21/14 19:52	05/24/14 01:48	20
1C) -72d4	P6		6.6	3.1	mg/Kg	☆	05/21/14 19:52	05/24/14 01:48	20
PCB-1260	ND		6.6	3.1	mg/Kg	☆	05/21/14 19:52	05/24/14 01:48	20
PCB-1262	ND		6.6	3.1	mg/Kg	☆	05/21/14 19:52	05/24/14 01:48	20
PCB-1268	ND		6.6	3.1	mg/Kg	☆	05/21/14 19:52	05/24/14 01:48	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	08		40 - 135	75/21/14 1: 52	75/24/14 719#8	27
DCB Decachlorobiphenyl	7 X		43 - 130	75/21/14 1: 52	75/24/14 719#8	27

Bet3r x: 6070C - Betals f1C1 (- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQaex	Dil Tao
G5senio	0HPP		0.015	0.0056	mg/L		05/23/14 14:00	05/29/14 15:15	1
) a5um	0H7)		0.0020	0.00070	mg/L		05/23/14 14:00	05/29/14 15:15	1
Caxmium	0H74		0.0020	0.00050	mg/L		05/23/14 14:00	05/29/14 15:15	1
C35r mium	0H2P)		0.0040	0.0010	mg/L		05/23/14 14:00	05/29/14 15:15	1
Leax	0H4d		0.010	0.0030	mg/L		05/23/14 14:00	05/29/14 15:15	1
Selenium	ND		0.025	0.0087	mg/L		05/23/14 14:00	05/29/14 15:15	1
Silver	ND		0.0060	0.0017	mg/L		05/23/14 14:00	05/29/14 15:15	1

Bet3r x: Q1QJGS1 - Be5ou5OfCv GG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQaex	Dil Tao
Be5ou5O	0H0072 .		0.00020	0.00012	mg/L		05/23/14 13:15	05/23/14 16:42	1

gene5al C3emist5O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQaex	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/26/14 00:25	05/26/14 09:35	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/26/14 00:25	05/26/14 09:30	1
GnalQte	Result	z ualiUe5	RL	RL	F nit	D	1 5epa5ex	GnalQaex	Dil Tao
Tias3pr int	_7G6H		50.0	50.0	Degrees F			05/22/14 09:03	1
p>	Q60		0.100	0.100	SU			05/22/14 20:09	1

Client Sample ID: 1-P G-7 0-7

Lab Sample ID: 480-60204-Q

Date Cr Ileotex: 0d7/ 74 70:70

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOG C6S - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQaex	Dil Tao
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/14 03:07	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/14 03:07	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/14 03:07	10
Benzene	ND		0.010	0.0041	mg/L			05/24/14 03:07	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/14 03:07	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/14 03:07	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/14 03:07	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/14 03:07	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/14 03:07	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-P G-7 0-7

Lab Sample ID: 480-60204-Q

Date Cr Ileotex: 0d5/ 54 70:70

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 8260C - v r latile h 5Vanio Cr mpr unxs bOg C&S - yCL1 fCr ntinueux(

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/14 03:07	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		00 - 163		75/24/14 76973	17
4-Bromofluorobenzene (Surr)	: 7		36 - 127		75/24/14 76973	17
Toluene-d8 (Surr)	: 6		31 - 120		75/24/14 76973	17

Bet3r x: 82QDD - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/28/14 06:10	05/30/14 20:39	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/28/14 06:10	05/30/14 20:39	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L		05/28/14 06:10	05/30/14 20:39	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/28/14 06:10	05/30/14 20:39	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/28/14 06:10	05/30/14 20:39	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/28/14 06:10	05/30/14 20:39	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 20:39	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 20:39	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 20:39	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 20:39	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 20:39	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 20:39	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	: 8		52 - 162	75/28/14 70917	75/67/14 2796:	1
2-Fluorobiphenyl	35		48 - 127	75/28/14 70917	75/67/14 2796:	1
2-Fluorophenol	44		27 - 127	75/28/14 70917	75/67/14 2796:	1
Nitrobenzene-d5	36		40 - 127	75/28/14 70917	75/67/14 2796:	1
p-Terphenyl-d14	: 4		03 - 157	75/28/14 70917	75/67/14 2796:	1
Phenol-d5	61		10 - 127	75/28/14 70917	75/67/14 2796:	1

Bet3r x: 8082G - 1 r lQo3lr 5natex) ip3enQs f1 C) s(bOgas C35r matr V5ap3O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
PCB-1016	ND		5.7	1.1	mg/Kg	☆	05/21/14 19:52	05/24/14 02:32	20
PCB-1221	ND		5.7	1.1	mg/Kg	☆	05/21/14 19:52	05/24/14 02:32	20
PCB-1232	ND		5.7	1.1	mg/Kg	☆	05/21/14 19:52	05/24/14 02:32	20
PCB-1242	ND		5.7	1.1	mg/Kg	☆	05/21/14 19:52	05/24/14 02:32	20
1C) -7248	d2		5.7	1.1	mg/Kg	☆	05/21/14 19:52	05/24/14 02:32	20
1C) -72d4	700		5.7	2.7	mg/Kg	☆	05/21/14 19:52	05/24/14 02:32	20
PCB-1260	ND		5.7	2.7	mg/Kg	☆	05/21/14 19:52	05/24/14 02:32	20
PCB-1262	ND		5.7	2.7	mg/Kg	☆	05/21/14 19:52	05/24/14 02:32	20
PCB-1268	ND		5.7	2.7	mg/Kg	☆	05/21/14 19:52	05/24/14 02:32	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	8:		40 - 135	75/21/14 1: 952	75/24/14 72962	27
DCB Decachlorobiphenyl	3:		43 - 130	75/21/14 1: 952	75/24/14 72962	27

Bet3r x: 6070C - Betals f1C1(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
G5senio	01020		0.015	0.0056	mg/L		05/23/14 14:00	05/29/14 15:18	1
) a5um	0184)		0.0020	0.00070	mg/L		05/23/14 14:00	05/29/14 15:18	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60204-1

Client Sample ID: 1-P G-7 0-7

Lab Sample ID: 480-60204-Q

Date Cr Illetex: 0d5/ 54 70:70

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 6070C - Betals fIC1 (- yCL1 fCr ntinuex(

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Caxmium	01028		0.0020	0.00050	mg/L		05/23/14 14:00	05/29/14 15:18	1
C35r mium	0H72		0.0040	0.0010	mg/L		05/23/14 14:00	05/29/14 15:18	1
Leax	0H12		0.010	0.0030	mg/L		05/23/14 14:00	05/29/14 15:18	1
Selenium	01077		0.025	0.0087	mg/L		05/23/14 14:00	05/29/14 15:18	1
Silver	ND		0.0060	0.0017	mg/L		05/23/14 14:00	05/29/14 15:18	1

Bet3r x: Q40GJGS1 - Be5ou5OfCvGG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Be5ou5O	0H0027		0.00020	0.00012	mg/L		05/23/14 13:15	05/23/14 16:44	1

gene5al C3emist5O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/26/14 00:25	05/26/14 09:35	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/26/14 00:25	05/26/14 09:30	1
GnalQte	Result	z ualiUe5	RL	RL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Tias3pr int	70610		50.0	50.0	Degrees F			05/22/14 09:03	1
p>	8100		0.100	0.100	SU			05/22/14 20:09	1

Client Sample ID: 1-P G-7 d-6

Lab Sample ID: 480-60204-8

Date Cr Illetex: 0d5/ 54 70:7P

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOg C&S - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/14 03:30	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/14 03:30	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/14 03:30	10
Benzene	ND		0.010	0.0041	mg/L			05/24/14 03:30	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/14 03:30	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/14 03:30	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/14 03:30	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/14 03:30	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/14 03:30	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/14 03:30	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		00 - 163		75/24/14 76967	17
4-Bromofluorobenzene (Surr)	80		36 - 127		75/24/14 76967	17
Toluene-d8 (Surr)	: 1		31 - 120		75/24/14 76967	17

Bet3r x: 820D - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/28/14 06:10	05/30/14 21:03	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/28/14 06:10	05/30/14 21:03	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L		05/28/14 06:10	05/30/14 21:03	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/28/14 06:10	05/30/14 21:03	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/28/14 06:10	05/30/14 21:03	1
P-Bet3Qp3enr l	0H00d4		0.010	0.00040	mg/L		05/28/14 06:10	05/30/14 21:03	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 21:03	1
4-Bet3Qp3enr l	0H00d4		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 21:03	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-P G-7 d-6

Lab Sample ID: 480-60204-8

Date Cr Ileotex: 0d5/ 54 70:7P

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 82QD - Semi9r latile h 5Vanio Cr mpr unxs fg CdBS(- yCL1 fCr ntinueux(

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQaex	Dil Tao
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 21:03	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 21:03	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 21:03	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 21:03	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	: 1		52 - 162	75/28/14 70917	75/67/14 21976	1
2-Fluorobiphenyl	38		48 - 127	75/28/14 70917	75/67/14 21976	1
2-Fluorophenol	40		27 - 127	75/28/14 70917	75/67/14 21976	1
Nitrobenzene-d5	33		40 - 127	75/28/14 70917	75/67/14 21976	1
p-Terphenyl-d14	: 1		03 - 157	75/28/14 70917	75/67/14 21976	1
Phenol-d5	66		10 - 127	75/28/14 70917	75/67/14 21976	1

Bet3r x: 8082G - 1r IQo3lr 5natex) ip3enQs f1C) s(bOgas C35r matr V5ap3O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQaex	Dil Tao
PCB-1016	ND		16	3.2	mg/Kg	☆	05/21/14 19:52	05/24/14 02:47	50
PCB-1221	ND		16	3.2	mg/Kg	☆	05/21/14 19:52	05/24/14 02:47	50
PCB-1232	ND		16	3.2	mg/Kg	☆	05/21/14 19:52	05/24/14 02:47	50
PCB-1242	ND		16	3.2	mg/Kg	☆	05/21/14 19:52	05/24/14 02:47	50
1C) -7248	760		16	3.2	mg/Kg	☆	05/21/14 19:52	05/24/14 02:47	50
1C) -72d4	400		16	7.6	mg/Kg	☆	05/21/14 19:52	05/24/14 02:47	50
PCB-1260	ND		16	7.6	mg/Kg	☆	05/21/14 19:52	05/24/14 02:47	50
PCB-1262	ND		16	7.6	mg/Kg	☆	05/21/14 19:52	05/24/14 02:47	50
PCB-1268	ND		16	7.6	mg/Kg	☆	05/21/14 19:52	05/24/14 02:47	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	176		40 - 135	75/21/14 1: 52	75/24/14 72943	57
DCB Decachlorobiphenyl	0:		43 - 130	75/21/14 1: 52	75/24/14 72943	57

Bet3r x: 6070C - Betals f1C1(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQaex	Dil Tao
Arsenic	ND		0.015	0.0056	mg/L		05/23/14 14:00	05/29/14 15:21	1
) a5um	0HPP)		0.0020	0.00070	mg/L		05/23/14 14:00	05/29/14 15:21	1
Caxmium	0HPP4		0.0020	0.00050	mg/L		05/23/14 14:00	05/29/14 15:21	1
C35r mium	0H72)		0.0040	0.0010	mg/L		05/23/14 14:00	05/29/14 15:21	1
Leax	0H/ 7		0.010	0.0030	mg/L		05/23/14 14:00	05/29/14 15:21	1
Selenium	0H74 .		0.025	0.0087	mg/L		05/23/14 14:00	05/29/14 15:21	1
Silver	ND		0.0060	0.0017	mg/L		05/23/14 14:00	05/29/14 15:21	1

Bet3r x: Q4QJGS1 - Be5ou5OfCvGG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQaex	Dil Tao
Mercury	ND		0.00020	0.00012	mg/L		05/23/14 13:15	05/23/14 16:45	1

gene5al C3emist5O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQaex	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/26/14 00:25	05/26/14 09:35	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/26/14 00:25	05/26/14 09:30	1
GnalQte	Result	z ualiUe5	RL	RL	F nit	D	15epa5ex	GnalQaex	Dil Tao
Tias3pr int	_7Q5H		50.0	50.0	Degrees F			05/22/14 09:03	1
p>	8H28		0.100	0.100	SU			05/23/14 20:42	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-P G-7 77-72

Lab Sample ID: 480-60204-/

Date Cr lletex: 0d7/ 74 70:20

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOg C&S - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQaex	Dil Tao
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/14 03:53	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/14 03:53	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/14 03:53	10
Benzene	ND		0.010	0.0041	mg/L			05/24/14 03:53	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/14 03:53	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/14 03:53	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/14 03:53	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/14 03:53	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/14 03:53	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/14 03:53	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		00 - 163		75/24/14 76956	17
4-Bromofluorobenzene (Surr)	: 7		36 - 127		75/24/14 76956	17
Toluene-d8 (Surr)	: 1		31 - 120		75/24/14 76956	17

Bet3r x: 82QDD - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQaex	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/28/14 06:10	05/30/14 21:26	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/28/14 06:10	05/30/14 21:26	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L		05/28/14 06:10	05/30/14 21:26	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/28/14 06:10	05/30/14 21:26	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/28/14 06:10	05/30/14 21:26	1
P-Bet3Qp3enr I	010044		0.010	0.00040	mg/L		05/28/14 06:10	05/30/14 21:26	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 21:26	1
4-Bet3Qp3enr I	010044		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 21:26	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 21:26	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 21:26	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 21:26	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 21:26	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	: 1		52 - 162	75/28/14 70917	75/67/14 2190	1
2-Fluorobiphenyl	36		48 - 127	75/28/14 70917	75/67/14 2190	1
2-Fluorophenol	41		27 - 127	75/28/14 70917	75/67/14 2190	1
Nitrobenzene-d5	08		40 - 127	75/28/14 70917	75/67/14 2190	1
p-Terphenyl-d14	: 2		03 - 157	75/28/14 70917	75/67/14 2190	1
Phenol-d5	67		10 - 127	75/28/14 70917	75/67/14 2190	1

Bet3r x: 8082G - 1r lOo3lr 5natex) ip3enQs f1C) s(bOgas C35r matr V5ap3O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQaex	Dil Tao
PCB-1016	ND		19	3.8	mg/Kg	✱	05/21/14 19:52	05/24/14 03:02	50
PCB-1221	ND		19	3.8	mg/Kg	✱	05/21/14 19:52	05/24/14 03:02	50
PCB-1232	ND		19	3.8	mg/Kg	✱	05/21/14 19:52	05/24/14 03:02	50
PCB-1242	ND		19	3.8	mg/Kg	✱	05/21/14 19:52	05/24/14 03:02	50
PCB-1248	ND		19	3.8	mg/Kg	✱	05/21/14 19:52	05/24/14 03:02	50
1C) -72d4	2d0		19	9.1	mg/Kg	✱	05/21/14 19:52	05/24/14 03:02	50
PCB-1260	ND		19	9.1	mg/Kg	✱	05/21/14 19:52	05/24/14 03:02	50
PCB-1262	ND		19	9.1	mg/Kg	✱	05/21/14 19:52	05/24/14 03:02	50

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-P G-7 77-72

Lab Sample ID: 480-60204-/

Date Cr Ileotex: 0d7/ 74 70:20

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

1 e5oent Sr lixs: 67H

Bet3r x: 8082G - 1 r IO3lr 5natex) ip3enQs f1 C) s(bOG as C35r matr V5ap3OfCr ntinuex(

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
PCB-1268	ND		19	9.1	mg/Kg	☆	05/21/14 19:52	05/24/14 03:02	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	125		40 - 135	75/21/14 1: 52	75/24/14 7692	57
DCB Decachlorobiphenyl	33		43 - 130	75/21/14 1: 52	75/24/14 7692	57

Bet3r x: 6070C - Betals flC1(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Arsenic	ND		0.015	0.0056	mg/L	-	05/23/14 14:00	05/29/14 15:24	1
) a5um	0H0)		0.0020	0.00070	mg/L	-	05/23/14 14:00	05/29/14 15:24	1
Caxmium	0H0d		0.0020	0.00050	mg/L	-	05/23/14 14:00	05/29/14 15:24	1
C35r mium	0H020)		0.0040	0.0010	mg/L	-	05/23/14 14:00	05/29/14 15:24	1
Leax	0H/		0.010	0.0030	mg/L	-	05/23/14 14:00	05/29/14 15:24	1
Selenium	0H077 .		0.025	0.0087	mg/L	-	05/23/14 14:00	05/29/14 15:24	1
Silver	ND		0.0060	0.0017	mg/L	-	05/23/14 14:00	05/29/14 15:24	1

Bet3r x: Q4QJGS1 - Be5ou5OfCvGG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Mercury	ND		0.00020	0.00012	mg/L	-	05/23/14 13:15	05/23/14 16:47	1

g ene5al C3emist50

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg	-	05/26/14 00:25	05/26/14 09:35	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg	-	05/26/14 00:25	05/26/14 09:30	1
GnalQte	Result	z ualiUe5	RL	RL	F nit	D	15epa5ex	GnalQte	Dil Tao
Tias3pr int	7C6H		50.0	50.0	Degrees F	-		05/22/14 09:03	1
p>	8H7		0.100	0.100	SU	-		05/23/14 20:46	1

Client Sample ID: 1-2) -7 0-7

Lab Sample ID: 480-60204-70

Date Cr Ileotex: 0d7/ 74 70:Pd

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOG C6S - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
7,7-Dio3lr 5r et3ene	0H0d7 .		0.010	0.0029	mg/L	-		05/24/14 04:16	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L	-		05/24/14 04:16	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L	-		05/24/14 04:16	10
Benzene	ND		0.010	0.0041	mg/L	-		05/24/14 04:16	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L	-		05/24/14 04:16	10
Chlorobenzene	ND		0.010	0.0075	mg/L	-		05/24/14 04:16	10
Chloroform	ND		0.010	0.0034	mg/L	-		05/24/14 04:16	10
Tetrachloroethene	ND		0.010	0.0036	mg/L	-		05/24/14 04:16	10
Trichloroethene	ND		0.010	0.0046	mg/L	-		05/24/14 04:16	10
Vinyl chloride	ND		0.010	0.0090	mg/L	-		05/24/14 04:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		00 - 163		75/24/14 74910	17
4-Bromofluorobenzene (Surr)	: 7		36 - 127		75/24/14 74910	17
Toluene-d8 (Surr)	: 1		31 - 120		75/24/14 74910	17

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-2) -7 0-7

Lab Sample ID: 480-60204-70

Date Cr Ileotex: 0d5/ 54 70:Pd

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 82QD - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/28/14 06:10	05/30/14 21:49	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/28/14 06:10	05/30/14 21:49	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L		05/28/14 06:10	05/30/14 21:49	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/28/14 06:10	05/30/14 21:49	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/28/14 06:10	05/30/14 21:49	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/28/14 06:10	05/30/14 21:49	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 21:49	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 21:49	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 21:49	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 21:49	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 21:49	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 21:49	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	8:		52 - 162	75/28/14 70917	75/67/14 219:	1
2-Fluorobiphenyl	31		48 - 127	75/28/14 70917	75/67/14 219:	1
2-Fluorophenol	6:		27 - 127	75/28/14 70917	75/67/14 219:	1
Nitrobenzene-d5	00		40 - 127	75/28/14 70917	75/67/14 219:	1
p-Terphenyl-d14	8:		03 - 157	75/28/14 70917	75/67/14 219:	1
Phenol-d5	28		10 - 127	75/28/14 70917	75/67/14 219:	1

Bet3r x: 8082G - 1 r IQ3lr 5natex) ip3enQs f1 C) s(bOgas C35r matr V5ap30

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
PCB-1016	ND		0.26	0.051	mg/Kg	✱	05/21/14 19:52	05/24/14 03:16	1
PCB-1221	ND		0.26	0.051	mg/Kg	✱	05/21/14 19:52	05/24/14 03:16	1
PCB-1232	ND		0.26	0.051	mg/Kg	✱	05/21/14 19:52	05/24/14 03:16	1
PCB-1242	ND		0.26	0.051	mg/Kg	✱	05/21/14 19:52	05/24/14 03:16	1
1C) -7248	2H		0.26	0.051	mg/Kg	✱	05/21/14 19:52	05/24/14 03:16	1
1C) -72d4	2H		0.26	0.12	mg/Kg	✱	05/21/14 19:52	05/24/14 03:16	1
PCB-1260	ND		0.26	0.12	mg/Kg	✱	05/21/14 19:52	05/24/14 03:16	1
PCB-1262	ND		0.26	0.12	mg/Kg	✱	05/21/14 19:52	05/24/14 03:16	1
PCB-1268	ND		0.26	0.12	mg/Kg	✱	05/21/14 19:52	05/24/14 03:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		40 - 135	75/21/14 1: 52	75/24/14 76910	1
DCB Decachlorobiphenyl	85		43 - 130	75/21/14 1: 52	75/24/14 76910	1

Bet3r x: 6070C - Betals f1C1(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
G5senio	0H0P2		0.015	0.0056	mg/L		05/23/14 14:00	05/29/14 15:27	1
) a5um	0H0)		0.0020	0.00070	mg/L		05/23/14 14:00	05/29/14 15:27	1
Caxmium	0H0P		0.0020	0.00050	mg/L		05/23/14 14:00	05/29/14 15:27	1
C35r mium	0H8)		0.0040	0.0010	mg/L		05/23/14 14:00	05/29/14 15:27	1
Leax	0H2P		0.010	0.0030	mg/L		05/23/14 14:00	05/29/14 15:27	1
Selenium	0H07d .		0.025	0.0087	mg/L		05/23/14 14:00	05/29/14 15:27	1
Silver	ND		0.0060	0.0017	mg/L		05/23/14 14:00	05/29/14 15:27	1

Bet3r x: Q4QJGS1 - Be5ou5OfCv GG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Be5ou50	0H007d .		0.00020	0.00012	mg/L		05/23/14 13:15	05/23/14 16:49	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-2) -7 0-7

Lab Sample ID: 480-60204-70

Date Cr Ileotex: 0d7/ 74 70:Pd

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

gene5al C3emist50

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/26/14 00:25	05/26/14 09:35	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/26/14 00:25	05/26/14 09:30	1
GnalQte	Result	z ualiUe5	RL	RL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Tias3pr int	7G610		50.0	50.0	Degrees F			05/23/14 09:36	1
p>	8HP6		0.100	0.100	SU			05/22/14 20:09	1

Client Sample ID: 1-2) -7 d-6

Lab Sample ID: 480-60204-77

Date Cr Ileotex: 0d7/ 74 70:42

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOg C&BS - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
7,7-Dio3lr 5r et3ene	0H26		0.010	0.0029	mg/L			05/24/14 04:39	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/14 04:39	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/14 04:39	10
Benzene	ND		0.010	0.0041	mg/L			05/24/14 04:39	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/14 04:39	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/14 04:39	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/14 04:39	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/14 04:39	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/14 04:39	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/14 04:39	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		00 - 163		75/24/14 7496	17
4-Bromofluorobenzene (Surr)	: 7		36 - 127		75/24/14 7496	17
Toluene-d8 (Surr)	: 7		31 - 120		75/24/14 7496	17

Bet3r x: 82QDD - Semi9r latile h 5Vanio Cr mpr unxs fg C&BS(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/28/14 06:10	05/30/14 22:12	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/28/14 06:10	05/30/14 22:12	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L		05/28/14 06:10	05/30/14 22:12	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/28/14 06:10	05/30/14 22:12	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/28/14 06:10	05/30/14 22:12	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/28/14 06:10	05/30/14 22:12	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 22:12	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 22:12	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 22:12	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 22:12	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 22:12	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 22:12	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	: 1		52 - 162	75/28/14 70917	75/67/14 22912	1
2-Fluorobiphenyl	34		48 - 127	75/28/14 70917	75/67/14 22912	1
2-Fluorophenol	41		27 - 127	75/28/14 70917	75/67/14 22912	1
Nitrobenzene-d5	0:		40 - 127	75/28/14 70917	75/67/14 22912	1
p-Terphenyl-d14	85		03 - 157	75/28/14 70917	75/67/14 22912	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-2) -7 d-6

Lab Sample ID: 480-60204-77

Date Cr Ileotex: 0d7/ 74 70:42

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

Bet3r x: 82QD - Semi9r latile h 5Vanio Cr mpr unxs fg C&BS(- yCL1 fCr ntinueux(

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	67		10 - 127	75/28/14 70917	75/67/14 22912	1

Bet3r x: 8082G - 1r IQo3lr 5natex) ip3enQs f1C) s(bOgas C35r matr V5ap3O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
PCB-1016	ND		0.63	0.12	mg/Kg	*	05/21/14 19:52	05/24/14 03:31	1
PCB-1221	ND		0.63	0.12	mg/Kg	*	05/21/14 19:52	05/24/14 03:31	1
PCB-1232	ND		0.63	0.12	mg/Kg	*	05/21/14 19:52	05/24/14 03:31	1
PCB-1242	ND		0.63	0.12	mg/Kg	*	05/21/14 19:52	05/24/14 03:31	1
1C) -7248	212		0.63	0.12	mg/Kg	*	05/21/14 19:52	05/24/14 03:31	1
1C) -72d4	7H		0.63	0.30	mg/Kg	*	05/21/14 19:52	05/24/14 03:31	1
PCB-1260	ND		0.63	0.30	mg/Kg	*	05/21/14 19:52	05/24/14 03:31	1
PCB-1262	ND		0.63	0.30	mg/Kg	*	05/21/14 19:52	05/24/14 03:31	1
PCB-1268	ND		0.63	0.30	mg/Kg	*	05/21/14 19:52	05/24/14 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	35		40 - 135	75/21/14 1: 52	75/24/14 7651	1
DCB Decachlorobiphenyl	82		43 - 130	75/21/14 1: 52	75/24/14 7651	1

Bet3r x: 6070C - Betals f1C1(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
G5senio	01078		0.015	0.0056	mg/L	-	05/23/14 14:00	05/29/14 15:30	1
) a5um	0166)		0.0020	0.00070	mg/L	-	05/23/14 14:00	05/29/14 15:30	1
Caxmium	0100QQ		0.0020	0.00050	mg/L	-	05/23/14 14:00	05/29/14 15:30	1
C35r mium	01084)		0.0040	0.0010	mg/L	-	05/23/14 14:00	05/29/14 15:30	1
Leax	012P		0.010	0.0030	mg/L	-	05/23/14 14:00	05/29/14 15:30	1
Selenium	01077 .		0.025	0.0087	mg/L	-	05/23/14 14:00	05/29/14 15:30	1
Silver	ND		0.0060	0.0017	mg/L	-	05/23/14 14:00	05/29/14 15:30	1

Bet3r x: Q1Q0GJGS1 - Be5ou5OfCvGG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Be5ou5O	01000/ 6		0.00020	0.00012	mg/L	-	05/23/14 13:15	05/23/14 16:54	1

g ene5al C3emist5O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg	-	05/26/14 00:25	05/26/14 09:35	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg	-	05/26/14 00:25	05/26/14 09:30	1
GnalQte	Result	z ualiUe5	RL	RL	F nit	D	15epa5ex	GnalQte	Dil Tao
Tias3pr int	7C610		50.0	50.0	Degrees F	-		05/23/14 09:36	1
p>	8H6		0.100	0.100	SU	-		05/23/14 20:50	1

Client Sample ID: 1-2 G-7 0-7

Lab Sample ID: 480-60204-72

Date Cr Ileotex: 0d7/ 74 70:d0

Bat5M Sr lix

Date Reoei9ex: 0d7/ 74 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOg C&BS - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
7,7-Dio3lr 5r et3ene	0102/		0.010	0.0029	mg/L	-		05/24/14 05:02	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L	-		05/24/14 05:02	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L	-		05/24/14 05:02	10
Benzene	ND		0.010	0.0041	mg/L	-		05/24/14 05:02	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-2 G-7 0-7

Lab Sample ID: 480-60204-72

Date Cr Ileotex: 0d5/ 54 70:d0

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOg C&S - yCL1 fCr ntinuex(

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQex	Dil Tao
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/14 05:02	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/14 05:02	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/14 05:02	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/14 05:02	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/14 05:02	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/14 05:02	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		00 - 163		75/24/14 75972	17
4-Bromofluorobenzene (Surr)	83		36 - 127		75/24/14 75972	17
Toluene-d8 (Surr)	: 7		31 - 120		75/24/14 75972	17

Bet3r x: 8200D - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQex	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/28/14 06:10	05/30/14 22:36	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/28/14 06:10	05/30/14 22:36	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L		05/28/14 06:10	05/30/14 22:36	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/28/14 06:10	05/30/14 22:36	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/28/14 06:10	05/30/14 22:36	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/28/14 06:10	05/30/14 22:36	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 22:36	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 22:36	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 22:36	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 22:36	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 22:36	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 22:36	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	: 2		52 - 162	75/28/14 70917	75/67/14 22960	1
2-Fluorobiphenyl	36		48 - 127	75/28/14 70917	75/67/14 22960	1
2-Fluorophenol	6:		27 - 127	75/28/14 70917	75/67/14 22960	1
Nitrobenzene-d5	03		40 - 127	75/28/14 70917	75/67/14 22960	1
p-Terphenyl-d14	: 1		03 - 157	75/28/14 70917	75/67/14 22960	1
Phenol-d5	2:		10 - 127	75/28/14 70917	75/67/14 22960	1

Bet3r x: 8082G - 1r lQo3lr 5natex) ip3enQs f1C) s(bOgas C35r matr V5ap3O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQex	Dil Tao
PCB-1016	ND		0.35	0.069	mg/Kg	☆	05/21/14 19:52	05/24/14 03:46	1
PCB-1221	ND		0.35	0.069	mg/Kg	☆	05/21/14 19:52	05/24/14 03:46	1
PCB-1232	ND		0.35	0.069	mg/Kg	☆	05/21/14 19:52	05/24/14 03:46	1
PCB-1242	ND		0.35	0.069	mg/Kg	☆	05/21/14 19:52	05/24/14 03:46	1
1C) -7248	7HP		0.35	0.069	mg/Kg	☆	05/21/14 19:52	05/24/14 03:46	1
1C) -72d4	7H		0.35	0.17	mg/Kg	☆	05/21/14 19:52	05/24/14 03:46	1
PCB-1260	ND		0.35	0.17	mg/Kg	☆	05/21/14 19:52	05/24/14 03:46	1
PCB-1262	ND		0.35	0.17	mg/Kg	☆	05/21/14 19:52	05/24/14 03:46	1
PCB-1268	ND		0.35	0.17	mg/Kg	☆	05/21/14 19:52	05/24/14 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	3:		40 - 135	75/21/14 1: 552	75/24/14 76910	1
DCB Decachlorobiphenyl	81		43 - 130	75/21/14 1: 552	75/24/14 76910	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-2 G-7 0-7

Lab Sample ID: 480-60204-72

Date Cr Ileotex: 0d5/ 54 70:d0

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 6070C - Betals f1C1 (- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Arsenic	ND		0.015	0.0056	mg/L		05/23/14 14:00	05/29/14 15:33	1
) a5um	0H8P)		0.0020	0.00070	mg/L		05/23/14 14:00	05/29/14 15:33	1
Caxmium	0H008d .		0.0020	0.00050	mg/L		05/23/14 14:00	05/29/14 15:33	1
C35r mium	0H00/ 7)		0.0040	0.0010	mg/L		05/23/14 14:00	05/29/14 15:33	1
Leax	0H077		0.010	0.0030	mg/L		05/23/14 14:00	05/29/14 15:33	1
Selenium	0H07d .		0.025	0.0087	mg/L		05/23/14 14:00	05/29/14 15:33	1
Silver	ND		0.0060	0.0017	mg/L		05/23/14 14:00	05/29/14 15:33	1

Bet3r x: Q4QJGS1 - Be5ou5OfCvGG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Mercury	ND		0.00020	0.00012	mg/L		05/23/14 13:15	05/23/14 16:56	1

gene5al C3emist50

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/26/14 00:25	05/26/14 09:35	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/26/14 00:25	05/26/14 09:30	1
GnalQte	Result	z ualiUe5	RL	RL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
Tias3pr int	_7Q6M		50.0	50.0	Degrees F			05/23/14 09:36	1
p>	8H2P		0.100	0.100	SU			05/23/14 20:54	1

Client Sample ID: 1-2 G-7 d-6

Lab Sample ID: 480-60204-7P

Date Cr Ileotex: 0d5/ 54 70:d6

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 8260C - vr latile h 5Vanio Cr mpr unxs bOg C&S - yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/24/14 05:25	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/24/14 05:25	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/24/14 05:25	10
Benzene	ND		0.010	0.0041	mg/L			05/24/14 05:25	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/24/14 05:25	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/24/14 05:25	10
Chloroform	ND		0.010	0.0034	mg/L			05/24/14 05:25	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/24/14 05:25	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/24/14 05:25	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/24/14 05:25	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	11:		00 - 163		75/24/14 7595	17
4-Bromofluorobenzene (Surr)	88		36 - 127		75/24/14 7595	17
Toluene-d8 (Surr)	: 1		31 - 120		75/24/14 7595	17

Bet3r x: 82QD - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	1 5epa5ex	GnalQte	Dil Tao
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/28/14 06:10	05/30/14 22:59	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/28/14 06:10	05/30/14 22:59	1
Hexachlorobenzene	ND *		0.0050	0.00051	mg/L		05/28/14 06:10	05/30/14 22:59	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/28/14 06:10	05/30/14 22:59	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/28/14 06:10	05/30/14 22:59	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/28/14 06:10	05/30/14 22:59	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-2 G-7 d-6

Lab Sample ID: 480-60204-7P

Date Cr Ileotex: 0d5/ 54 70:d6

Bat5M Sr lix

Date Reoei9ex: 0d5/ 54 76:d0

Bet3r x: 82QD - Semi9r latile h 5Vanio Cr mpr unxs fg C&S(- yCL1 fCr ntinueux(

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/28/14 06:10	05/30/14 22:59	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/28/14 06:10	05/30/14 22:59	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/28/14 06:10	05/30/14 22:59	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/28/14 06:10	05/30/14 22:59	1
Pyridine	ND		0.025	0.00041	mg/L		05/28/14 06:10	05/30/14 22:59	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/28/14 06:10	05/30/14 22:59	1
2,4,6-Trichlorophenol	ND *		0.0050	0.00061	mg/L		05/28/14 06:10	05/30/14 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	80		52 - 162	75/28/14 70917	75/67/14 2255:	1
2-Fluorobiphenyl	31		48 - 127	75/28/14 70917	75/67/14 2255:	1
2-Fluorophenol	6:		27 - 127	75/28/14 70917	75/67/14 2255:	1
Nitrobenzene-d5	03		40 - 127	75/28/14 70917	75/67/14 2255:	1
p-Terphenyl-d14	85		03 - 157	75/28/14 70917	75/67/14 2255:	1
Phenol-d5	28		10 - 127	75/28/14 70917	75/67/14 2255:	1

Bet3r x: 8082G - 1r IQo3lr 5natex) ip3enQs f1C) s(bOgas C35r matr V5ap3O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
PCB-1016	ND		0.36	0.070	mg/Kg	✱	05/21/14 19:52	05/24/14 04:01	1
PCB-1221	ND		0.36	0.070	mg/Kg	✱	05/21/14 19:52	05/24/14 04:01	1
PCB-1232	ND		0.36	0.070	mg/Kg	✱	05/21/14 19:52	05/24/14 04:01	1
PCB-1242	ND		0.36	0.070	mg/Kg	✱	05/21/14 19:52	05/24/14 04:01	1
1C) -7248	4HP		0.36	0.070	mg/Kg	✱	05/21/14 19:52	05/24/14 04:01	1
1C) -72d4	dl8		0.36	0.17	mg/Kg	✱	05/21/14 19:52	05/24/14 04:01	1
PCB-1260	ND		0.36	0.17	mg/Kg	✱	05/21/14 19:52	05/24/14 04:01	1
PCB-1262	ND		0.36	0.17	mg/Kg	✱	05/21/14 19:52	05/24/14 04:01	1
PCB-1268	ND		0.36	0.17	mg/Kg	✱	05/21/14 19:52	05/24/14 04:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	30		40 - 135	75/21/14 1: 52	75/24/14 74971	1
DCB Decachlorobiphenyl	35		43 - 130	75/21/14 1: 52	75/24/14 74971	1

Bet3r x: 6070C - Betals f1C1(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
G5senio	010dd		0.015	0.0056	mg/L		05/23/14 14:00	05/29/14 15:56	1
) a5um	0H18)		0.0020	0.00070	mg/L		05/23/14 14:00	05/29/14 15:56	1
Caxmium	0100d/		0.0020	0.00050	mg/L		05/23/14 14:00	05/29/14 15:56	1
C35r mium	010d8)		0.0040	0.0010	mg/L		05/23/14 14:00	05/29/14 15:56	1
Leax	010Q		0.010	0.0030	mg/L		05/23/14 14:00	05/29/14 15:56	1
Selenium	ND		0.025	0.0087	mg/L		05/23/14 14:00	05/29/14 15:56	1
Silver	ND		0.0060	0.0017	mg/L		05/23/14 14:00	05/29/14 15:56	1

Bet3r x: Q4QJGS1 - Be5ou5OfCvGG(- yCL1

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Be5ou5O	0H00P6		0.00020	0.00012	mg/L		05/23/14 13:15	05/23/14 17:03	1

gene5al C3emist5O

GnalQte	Result	z ualiUe5	RL	BDL	F nit	D	15epa5ex	GnalQte	Dil Tao
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/26/14 00:25	05/26/14 09:35	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/26/14 00:25	05/26/14 09:30	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: 1-2 G-7 d-6

Lab Sample ID: 480-60204-7P

Date Created: 05/23/2014 10:06

Batch: 5M Sr lix

Date Received: 05/23/2014 16:00

Anal	Result	Qualifier	RL	RL	Unit	D	Sample	Anal	Dil	Tao
Temp	70.6		50.0	50.0	Degrees F			05/23/14 09:36	1	
pH	8.1		0.100	0.100	SU			05/23/14 20:59	1	

Surrogate Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60204-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	BFB (73-120)	TOL (71-126)
L1 k 480-783#34j4	Lab 1 ol troQk amp@	776	#3	#3
u M480-783#34j6	u etBo/ MAl Y	777	#6	#4
Surrogate Legend				
72D1 . h 7-2-DicB@roetBal e-/ 4 ,k (rr)				
MdMh 4-Mromof@orobel zel e ,k (rr)				
TOL h ToC el e-/ 8 ,k (rr)				

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

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	BFB (73-120)	TOL (71-126)
480-60204-7	E-3 1-7 0-7	777	#9	#9
480-60204-2	E-3 1-7 9-6	772	#7	#3
480-60204-3	E-3 1-7 77-72	772	#7	#2
480-60204-4	E-3 M-7 0-7	776	8#	#7
480-60204-9	E-3 M-7 9-6	774	8#	#2
480-60204-6	E-3 M-7 77-72	779	85	8#
480-60204-5	E-3 A-7 0-7	773	#0	#3
480-60204-8	E-3 A-7 9-6	774	86	#7
480-60204-#	E-3 A-7 77-72	774	#0	#7
480-60204-70	E-2 M-7 0-7	775	#0	#7
480-60204-77	E-2 M-7 9-6	774	#0	#0
480-60204-72	E-2 A-7 0-7	776	85	#0
480-60204-73	E-2 A-7 9-6	77#	88	#7
480-60204-73 u k	E-2 A-7 9-6	777	#3	#2
480-60204-73 u k D	E-2 A-7 9-6	708	#4	#3
LM480-7839#4j7-A	u etBo/ MAl Y	773	#7	#3
Surrogate Legend				
72D1 . h 7-2-DicB@roetBal e-/ 4 ,k (rr)				
MdMh 4-Mromof@orobel zel e ,k (rr)				
TOL h ToC el e-/ 8 ,k (rr)				

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-132)	FBP (48-120)	2FP (20-120)	NBZ (46-120)	TPH (67-150)	PHL (16-120)
L1 k 480-784258j2-A	Lab 1 ol troQk amp@	8#	56	42	57	#2	37
L1 k D 480-784258j3-A	Lab 1 ol troQk amp@ D (p	706	#2	93	86	708	3#
u M480-784258j7-A	u etBo/ MAl Y	#0	6#	38	69	#5	2#
Surrogate Legend							
TME h 2-4-6-TribromopBel oC							
dME h 2-d@orobipBel yC							
2dE h 2-d@oropBel oC							

TestAmerica M ffa@

Surrogate Summary

100% of the nEN work rate DS S

TestAmerica Job ID: 480-60204-7

Eroctj kite: n wk D. 1-Tol aNaI / a dorFe:k iteg #79254

nMZ h nitrobel zel e-/ 9

TEH h p-TerpBel yG/ 74

EHL h EBel oG/ 9

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

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (52-132)	FBP (48-120)	2FP (20-120)	NBZ (46-120)	TPH (67-150)	PHL (16-120)
480-60204-7	E-3 1-7 0-7	88	69	38	64	84	25
480-60204-2	E-3 1-7 9-6	#9	57	3#	65	86	2#
480-60204-3	E-3 1-7 77-72	#6	56	43	52	#0	37
480-60204-4	E-3 M-7 0-7	#5	54	47	57	#0	2#
480-60204-9	E-3 M-7 9-6	#2	82	90	84	85	33
480-60204-6	E-3 M-7 77-72	##	86	97	89	88	39
480-60204-5	E-3 A-7 0-7	#8	59	44	53	#4	37
480-60204-8	E-3 A-7 9-6	#7	58	46	55	#7	33
480-60204-#	E-3 A-7 77-72	#7	53	47	68	#2	30
480-60204-70	E-2 M-7 0-7	8#	57	3#	66	8#	28
480-60204-77	E-2 M-7 9-6	#7	54	47	6#	89	30
480-60204-72	E-2 A-7 0-7	#2	53	3#	65	#7	2#
480-60204-73	E-2 A-7 9-6	86	57	3#	65	89	28
LM480-7839#2j7-D	u etBo/ MAl Y	56	98	33	95	82	24

Surrogate Legend

TME h 2-4-6-TribromopBel oC

dME h 2-dCcorobipBel yC

2dE h 2-dCcoropBel oC

nMZ h nitrobel zel e-/ 9

TEH h p-TerpBel yG/ 74

EHL h EBel oG/ 9

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (46-175)	DCB1 (47-176)
480-60204-7	E-3 1-7 0-7	87	#2
480-60204-7 u k	E-3 1-7 0-7	84	#7
480-60204-7 u k D	E-3 1-7 0-7	89	700
480-60204-2	E-3 1-7 9-6	60	95
480-60204-3	E-3 1-7 77-72	55	57
480-60204-4	E-3 M-7 0-7	52	57
480-60204-9	E-3 M-7 9-6	0 X	0 X
480-60204-6	E-3 M-7 77-72	68	0 X
480-60204-5	E-3 A-7 0-7	8#	5#
480-60204-8	E-3 A-7 9-6	703	6#
480-60204-#	E-3 A-7 77-72	729	55
480-60204-70	E-2 M-7 0-7	87	89
480-60204-77	E-2 M-7 9-6	59	82
480-60204-72	E-2 A-7 0-7	5#	87
480-60204-73	E-2 A-7 9-6	56	59
L1 k 480-783425j2-A	Lab 1 ol troQkamp@	772	730

TestAmerica M ffa@

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TestAmerica Job ID: 480-60204-7

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCX1 (46-175)	DCB1 (47-176)						
u M480-783425j7-A	u etBo/ MAl Y	#2	77#						
Surrogate Legend									
T1 X h TetracB0ro-m-xy@l e									
D1 Mh D1 MDecacB0roipBel yC									

QC Sample Results

1001: nEN worYk tate DS S

TestAmerica Job ID: 480-60204-7

Eröctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

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

Lab Sample ID: MB 480-189x94/6

MatrIP: Solid

Fnalysis Batch: 189x94

Client Sample ID: Method Blank

Trep Nype: Notal/AF

Fnalyste	Result	MB MB Quali%er	RL	MDL	f nit	D	Tprepared	Fnalyste	Dil zac
7,7-Dichöroethel e	nD		0\$070	0\$002#	mFjL			09j24j74 00:03	7
7,2-Dichöroethal e	nD		0\$070	0\$0027	mFjL			09j24j74 00:03	7
2-Butal ol e (M. K)	nD		0\$090	0\$073	mFjL			09j24j74 00:03	7
Bel zel e	nD		0\$070	0\$0047	mFjL			09j24j74 00:03	7
1 arbol tetrachöri/ e	nD		0\$070	0\$0025	mFjL			09j24j74 00:03	7
1 hörobzel zel e	nD		0\$070	0\$0059	mFjL			09j24j74 00:03	7
1 höroform	nD		0\$070	0\$0034	mFjL			09j24j74 00:03	7
Tetrachöroethel e	nD		0\$070	0\$0036	mFjL			09j24j74 00:03	7
Trichöroethel e	nD		0\$070	0\$0046	mFjL			09j24j74 00:03	7
Vil yöchöri/ e	nD		0\$070	0\$00#0	mFjL			09j24j74 00:03	7

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		00 - 163		75/24/14 7796	1
4-Bromofluorobenzene (Surr)	: 0		36 - 127		75/24/14 7796	1
Toluene-d8 (Surr)	: 4		31 - 120		75/24/14 7796	1

Lab Sample ID: LCS 480-189x94/4

MatrIP: Solid

Fnalysis Batch: 189x94

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Fnalyste	Spike Fdded	LCS LCS Result Quali%er	f nit	D	. Rec	. Rec7 Limits
7,7-Dichöroethel e	0\$290	0\$223	mFjL		8#	98 - 727
7,2-Dichöroethal e	0\$290	0\$375	mFjL		725	59 - 725
Bel zel e	0\$290	0\$235	mFjL		#9	57 - 724
1 hörobzel zel e	0\$290	0\$236	mFjL		#4	52 - 720
Tetrachöroethel e	0\$290	0\$232	mFjL		#3	54 - 722
Trichöroethel e	0\$290	0\$246	mFjL		#8	54 - 723

Surrogate	%Recovery	LCS LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		00 - 163
4-Bromofluorobenzene (Surr)	: 6		36 - 127
Toluene-d8 (Surr)	: 6		31 - 120

Lab Sample ID: LB 480-189(x4/1-F

MatrIP: Solid

Fnalysis Batch: 189x94

Client Sample ID: Method Blank

Trep Nype: NCLT

Fnalyste	Result	LB LB Quali%er	RL	MDL	f nit	D	Tprepared	Fnalyste	Dil zac
7,7-Dichöroethel e	nD		0\$70	0\$02#	mFjL			09j24j74 00:26	70
7,2-Dichöroethal e	nD		0\$70	0\$027	mFjL			09j24j74 00:26	70
2-Butal ol e (M. K)	nD		0\$90	0\$73	mFjL			09j24j74 00:26	70
Bel zel e	nD		0\$70	0\$047	mFjL			09j24j74 00:26	70
1 arbol tetrachöri/ e	nD		0\$70	0\$025	mFjL			09j24j74 00:26	70
1 hörobzel zel e	nD		0\$70	0\$059	mFjL			09j24j74 00:26	70
1 höroform	nD		0\$70	0\$034	mFjL			09j24j74 00:26	70
Tetrachöroethel e	nD		0\$70	0\$036	mFjL			09j24j74 00:26	70
Trichöroethel e	nD		0\$70	0\$046	mFjL			09j24j74 00:26	70

TestAmerica Buffaö

QC Sample Results

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60204-7

EroEctjk ite: n wk D. 1-Tol aNaI / a dorFe:k iteg #79254

Method: 8260C - Volatile Organic Compounds by GC/MS)Continued5

Lab Sample ID: LB 480-189(x4/1-F

MatriP: Solid

Fnalysis Batch: 189x94

Client Sample ID: Method Blank

Trep Nype: NCLT

Fnalyste	LB Result	LB Quali%er	RL	MDL	f nit	D	Prepared	Fnalysed	Dil zac
Vil yChOri/ e	n D		0\$70	0\$0#0	mFjL			09j24j74 00:26	70

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		00 - 163		75/24/14 77\$0	17
4-Bromofluorobenzene (Surr)	: 1		36 - 127		75/24/14 77\$0	17
Toluene-d8 (Surr)	: 6		31 - 120		75/24/14 77\$0	17

Lab Sample ID: 480-60204-19 MS

MatriP: Solid

Fnalysis Batch: 189x94

Client Sample ID: T-2 F-1 (-6

Trep Nype: NCLT

Fnalyste	Sample Result	Sample Quali%er	Spike Fdded	MS Result	MS Quali%er	f nit	D	. Rec	Rec7 Limits
7,7-DichOroethel e	n D		0\$90	0\$30		mFjL		#2	98 - 727
7,2-DichOroethel e	n D		0\$90	0\$0#		mFjL		724	59 - 725
Bel zel e	n D		0\$90	0\$3#		mFjL		#6	57 - 724
1 hOrobel zel e	n D		0\$90	0\$33		mFjL		#3	52 - 720
TetrachOroethel e	n D		0\$90	0\$24		mFjL		#0	54 - 722
TrichOroethel e	n D		0\$90	0\$48		mFjL		##	54 - 723

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		00 - 163
4-Bromofluorobenzene (Surr)	: 6		36 - 127
Toluene-d8 (Surr)	: 2		31 - 120

Lab Sample ID: 480-60204-19 MSD

MatriP: Solid

Fnalysis Batch: 189x94

Client Sample ID: T-2 F-1 (-6

Trep Nype: NCLT

Fnalyste	Sample Result	Sample Quali%er	Spike Fdded	MSD Result	MSD Quali%er	f nit	D	. Rec	Rec7 Limits	RTD	Limit
7,7-DichOroethel e	n D		0\$90	0\$78		mFjL		85	98 - 727	9	76
7,2-DichOroethel e	n D		0\$90	0\$#2		mFjL		775	59 - 725	6	20
Bel zel e	n D		0\$90	0\$25		mFjL		#7	57 - 724	9	73
1 hOrobel zel e	n D		0\$90	0\$2#		mFjL		#2	52 - 720	2	29
TetrachOroethel e	n D		0\$90	0\$20		mFjL		88	54 - 722	2	20
TrichOroethel e	n D		0\$90	0\$28		mFjL		#7	54 - 723	8	76

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	178		00 - 163
4-Bromofluorobenzene (Surr)	: 4		36 - 127
Toluene-d8 (Surr)	: 6		31 - 120

TestAmerica BuffaO

QC Sample Results

100% of the work is done in the lab

TestAmerica Job ID: 480-60204-7

Reported by: nwk D. 1-Tol aNal / a dorFe:k iteg #79254

Method: 82v0D - SemiVolatile Organic Compounds)GC/MS5

Lab Sample ID: MB 480-1842v8/1-F

Matrix: Solid

Analysis Batch: 1846x9

Client Sample ID: Method Blank

Trep Nype: Notal/AF

Trep Batch: 1842v8

FAnalyte	MB Result	MB Qualifier	RL	MDL	f nit	D	Prepared	FAnalytcd	Dil fac
7,4-Dichlorobenzene	nD		0.029	0.0072	mFJL		09/28/14 06:70	09/30/14 76:4#	7
2,4-Dinitrobenzene	nD		0.073	0.0077	mFJL		09/28/14 06:70	09/30/14 76:4#	7
Hexachlorobenzene	nD		0.073	0.0073	mFJL		09/28/14 06:70	09/30/14 76:4#	7
Hexachlorobutadiene	nD		0.073	0.0075	mFJL		09/28/14 06:70	09/30/14 76:4#	7
Hexachloroethane	nD		0.073	0.0079	mFJL		09/28/14 06:70	09/30/14 76:4#	7
3-Methylphenol	nD		0.029	0.0070	mFJL		09/28/14 06:70	09/30/14 76:4#	7
2-Methylphenol	nD		0.073	0.0070	mFJL		09/28/14 06:70	09/30/14 76:4#	7
4-Methylphenol	nD		0.029	0.000#0	mFJL		09/28/14 06:70	09/30/14 76:4#	7
nitrobenzene	nD		0.073	0.00053	mFJL		09/28/14 06:70	09/30/14 76:4#	7
Electrodephenol	nD		0.029	0.0099	mFJL		09/28/14 06:70	09/30/14 76:4#	7
Ethylbenzene	nD		0.063	0.0070	mFJL		09/28/14 06:70	09/30/14 76:4#	7
2,4,6-Trichlorophenol	nD		0.073	0.0072	mFJL		09/28/14 06:70	09/30/14 76:4#	7
2,4,6-Trichlorophenol	nD		0.073	0.0079	mFJL		09/28/14 06:70	09/30/14 76:4#	7

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	7		52 - 162	75/28/14 709/7	75/67/14 109/1	1
2-Fluorobiphenyl	0		48 - 127	75/28/14 709/7	75/67/14 109/1	1
2-Fluorophenol	68		27 - 127	75/28/14 709/7	75/67/14 109/1	1
Nitrobenzene-d5	05		40 - 127	75/28/14 709/7	75/67/14 109/1	1
p-Terphenyl-d14	3		03 - 157	75/28/14 709/7	75/67/14 109/1	1
Phenol-d5	2		10 - 127	75/28/14 709/7	75/67/14 109/1	1

Lab Sample ID: LCS 480-1842v8/2-F

Matrix: Solid

Analysis Batch: 1846x9

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Trep Batch: 1842v8

FAnalyte	Spike Fadded	LCS Result	LCS Qualifier	f nit	D	Rec	Rec7 Limits
7,4-Dichlorobenzene	0.900	0.26#		mFJL		94	32 - 720
2,4-Dinitrobenzene	0.900	0.498		mFJL		#2	69 - 794
Hexachloroethane	0.900	0.297		mFJL		90	74 - 707
Electrodephenol	0.900	0.900		mFJL		700	3# - 736

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	8		52 - 162
2-Fluorobiphenyl	30		48 - 127
2-Fluorophenol	42		27 - 127
Nitrobenzene-d5	31		40 - 127
p-Terphenyl-d14	2		03 - 157
Phenol-d5	61		10 - 127

Lab Sample ID: LCSD 480-1842v8/9-F

Matrix: Solid

Analysis Batch: 1846x9

Client Sample ID: Lab Control Sample Dup

Trep Nype: Notal/AF

Trep Batch: 1842v8

FAnalyte	Spike Fadded	LCSD Result	LCSD Qualifier	f nit	D	Rec	Rec7 Limits	RTD	RTD Limit
7,4-Dichlorobenzene	0.900	0.334		mFJL		65	32 - 720	22	36
2,4-Dinitrobenzene	0.900	0.949		mFJL		70#	69 - 794	75	20

TestAmerica Buffalo

QC Sample Results

100% of the work is done in the lab

TestAmerica Job ID: 480-60204-7

Reported by: nwk.D. 1-Tol aNaI / a dorFe:k iteg #79254

Method: 82v0D - SemiVolatile Organic Compounds)GC/MS5)Continued5

Lab Sample ID: LCSD 480-1842v8/9-F

MatriP: Solid

Analysis Batch: 1846x9

Client Sample ID: Lab Control Sample Dup

Trep Nype: Notal/AF

Trep Batch: 1842v8

FAnalyte	Spike Fadded	LCSD Result	LCSD Qualifier	f nit	D	Rec	Rec7 Limits	RTD	RTD Limit
Hexachloroethane	0.900	0.375		mFJL		63	74 - 707	23	46
Hexachlorophenol	0.900	0.376		mFJL		776	3# - 736	79	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,0-Tribromophenol	170		52 - 162
2-Fluorobiphenyl	2		48 - 127
2-Fluorophenol	56		27 - 127
Nitrobenzene-d5	80		40 - 127
p-Terphenyl-d14	178		03 - 157
Phenol-d5	6		10 - 127

Lab Sample ID: LB 480-189(x2/1-D

MatriP: Solid

Analysis Batch: 1846x9

Client Sample ID: Method Blank

Trep Nype: NCLT

Trep Batch: 1842v8

FAnalyte	LB Result	LB Qualifier	RL	MDL	f nit	D	Prepared	FAnalyte	Dil fac
7,4-Dichlorobenzene	nD		0.070	0.0046	mFJL		09/28/74 06:70	09/30/74 75:98	7
2,4-Dichlorobenzene	nD		0.090	0.0049	mFJL		09/28/74 06:70	09/30/74 75:98	7
Hexachlorobenzene	nD		0.090	0.0097	mFJL		09/28/74 06:70	09/30/74 75:98	7
Hexachlorobutadiene	nD		0.090	0.0068	mFJL		09/28/74 06:70	09/30/74 75:98	7
Hexachloroethane	nD		0.090	0.009#	mFJL		09/28/74 06:70	09/30/74 75:98	7
3-Methylphenol	nD		0.070	0.0040	mFJL		09/28/74 06:70	09/30/74 75:98	7
2-Methylphenol	nD		0.090	0.0040	mFJL		09/28/74 06:70	09/30/74 75:98	7
4-Methylphenol	nD		0.070	0.0036	mFJL		09/28/74 06:70	09/30/74 75:98	7
nitrobenzene	nD		0.090	0.002#	mFJL		09/28/74 06:70	09/30/74 75:98	7
Hexachlorophenol	nD		0.070	0.0022	mFJL		09/28/74 06:70	09/30/74 75:98	7
Ethylbenzene	nD		0.029	0.0047	mFJL		09/28/74 06:70	09/30/74 75:98	7
2,4,9-Trichlorophenol	nD		0.090	0.0048	mFJL		09/28/74 06:70	09/30/74 75:98	7
2,4,6-Trichlorophenol	nD		0.090	0.0067	mFJL		09/28/74 06:70	09/30/74 75:98	7

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-Tribromophenol	30		52 - 162	75/28/14 70917	75/67/14 13958	1
2-Fluorobiphenyl	58		48 - 127	75/28/14 70917	75/67/14 13958	1
2-Fluorophenol	66		27 - 127	75/28/14 70917	75/67/14 13958	1
Nitrobenzene-d5	53		40 - 127	75/28/14 70917	75/67/14 13958	1
p-Terphenyl-d14	82		03 - 157	75/28/14 70917	75/67/14 13958	1
Phenol-d5	24		10 - 127	75/28/14 70917	75/67/14 13958	1

Method: 8082F - Polychlorinated Biphenyls)TCBs5by Gas Chromatography

Lab Sample ID: MB 480-18942v/1-F

MatriP: Solid

Analysis Batch: 189v49

Client Sample ID: Method Blank

Trep Nype: Notal/AF

Trep Batch: 18942v

FAnalyte	MB Result	MB Qualifier	RL	MDL	f nit	D	Prepared	FAnalyte	Dil fac
E1 B-7076	nD		0.027	0.047	mFJKF		09/27/74 7#:92	09/23/74 23:39	7
E1 B-7227	nD		0.027	0.047	mFJKF		09/27/74 7#:92	09/23/74 23:39	7

TestAmerica Buffalo

QC Sample Results

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60204-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

Method: 8082F - Tolychlorinated Biphenyls)TCBs5by Gas Chromatography)Continued5

Lab Sample ID: MB 480-18942v/1-F

MatriP: Solid

Fnalysis Batch: 189v49

Client Sample ID: Method Blank

Trep Nype: Notal/AF

Trep Batch: 18942v

Fnalyste	MB Result	MB Quali%er	RL	MDL	f nit	D	Tprepared	Fnalyste	Dil zac
E1 B-7232	nD		0\$7	0\$47	mFjKF		09j27j74 7#:92	09j23j74 23:39	7
E1 B-7242	nD		0\$7	0\$47	mFjKF		09j27j74 7#:92	09j23j74 23:39	7
E1 B-7248	nD		0\$7	0\$47	mFjKF		09j27j74 7#:92	09j23j74 23:39	7
E1 B-7294	nD		0\$7	0\$##	mFjKF		09j27j74 7#:92	09j23j74 23:39	7
E1 B-7260	nD		0\$7	0\$##	mFjKF		09j27j74 7#:92	09j23j74 23:39	7
E1 B-7262	nD		0\$7	0\$##	mFjKF		09j27j74 7#:92	09j23j74 23:39	7
E1 B-7268	nD		0\$7	0\$##	mFjKF		09j27j74 7#:92	09j23j74 23:39	7

Surrogate	MB %Recovery	MB Quali%er	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	: 2		40 - 135	75/21/14 1: 92	75/26/14 2695	1
DCB Decachlorobiphenyl	11:		43 - 130	75/21/14 1: 92	75/26/14 2695	1

Lab Sample ID: LCS 480-18942v/2-F

MatriP: Solid

Fnalysis Batch: 189v49

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Trep Batch: 18942v

Fnalyste	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec7 Limits
E1 B-7076	2\$0	2\$0		mFjKF		732	97 - 789
E1 B-7260	2\$0	2\$6		mFjKF		734	67 - 784

Surrogate	LCS %Recovery	LCS Quali%er	Limits
Tetrachloro-m-xylene	112		40 - 135
DCB Decachlorobiphenyl	167		43 - 130

Lab Sample ID: 480-60204-1 MS

MatriP: Solid

Fnalysis Batch: 189v49

Client Sample ID: T-9 C-1 0-1

Trep Nype: Notal/AF

Trep Batch: 18942v

Fnalyste	Sample Result	Sample Quali%er	Spike Fdded	MS Result	MS Quali%er	f nit	D	. Rec	. Rec7 Limits
E1 B-7076	nD		2\$2	8\$2	d7	mFjKF	✱	324	42 - 79#
E1 B-7260	2\$9		2\$2	4\$2		mFjKF	✱	8#	45 - 793

Surrogate	MS %Recovery	MS Quali%er	Limits
Tetrachloro-m-xylene	84		40 - 135
DCB Decachlorobiphenyl	: 1		43 - 130

Lab Sample ID: 480-60204-1 MSD

MatriP: Solid

Fnalysis Batch: 189v49

Client Sample ID: T-9 C-1 0-1

Trep Nype: Notal/AF

Trep Batch: 18942v

Fnalyste	Sample Result	Sample Quali%er	Spike Fdded	MSD Result	MSD Quali%er	f nit	D	. Rec	. Rec7 Limits	RTD	Limit
E1 B-7076	nD		2\$4	8\$3	d7	mFjKF	✱	32#	42 - 79#	#	90
E1 B-7260	2\$9		2\$4	9\$4		mFjKF	✱	72#	45 - 793	74	90

Surrogate	MSD %Recovery	MSD Quali%er	Limits
Tetrachloro-m-xylene	85		40 - 135
DCB Decachlorobiphenyl	177		43 - 130

TestAmerica BuffaQ

QC Sample Results

10el t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60204-7

EroEctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Method: 6010C - Metals)ICT5

Lab Sample ID: MB 480-189894/2-F

MatrIP: Solid

Fnalysis Batch: 184(84

Client Sample ID: Method Blank

Trep Nype: Notal/AF

Trep Batch: 189894

Fnalyste	MB Result	MB Quali%er	RL	MDL	f nit	D	Tprepared	Fnalyste	Dil zac
Arsel ic	n D		0\$079	0\$096	mFjL		09j23j74 74:00	09j28j74 73:35	7
Barium	n D		0\$020	0\$0050	mFjL		09j23j74 74:00	09j28j74 73:35	7
1 a/ mium	n D		0\$020	0\$0090	mFjL		09j23j74 74:00	09j28j74 73:35	7
1 hromium	n D		0\$040	0\$070	mFjL		09j23j74 74:00	09j28j74 73:35	7
Lea/	n D		0\$070	0\$030	mFjL		09j23j74 74:00	09j28j74 73:35	7
ke@l ium	n D		0\$029	0\$085	mFjL		09j23j74 74:00	09j28j74 73:35	7
ki@er	n D		0\$060	0\$075	mFjL		09j23j74 74:00	09j28j74 73:35	7

Lab Sample ID: LCS 480-189894/9-F

MatrIP: Solid

Fnalysis Batch: 184(84

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Trep Batch: 189894

Fnalyste	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	Rec	Rec7 Limits
Arsel ic	7\$0	7\$8		mFjL		708	80 - 720
Barium	7\$0	7\$2		mFjL		702	80 - 720
1 a/ mium	7\$0	7\$4		mFjL		704	80 - 720
1 hromium	7\$0	0\$82		mFjL		#8	80 - 720
Lea/	7\$0	0\$#6		mFjL		700	80 - 720
ke@l ium	7\$0	7\$#		mFjL		70#	80 - 720
ki@er	7\$0	7\$3		mFjL		773	80 - 720

Lab Sample ID: LB 480-189(x2/1-B

MatrIP: Solid

Fnalysis Batch: 184(84

Client Sample ID: Method Blank

Trep Nype: NCLT

Trep Batch: 189894

Fnalyste	LB Result	LB Quali%er	RL	MDL	f nit	D	Tprepared	Fnalyste	Dil zac
Arsel ic	n D		0\$079	0\$096	mFjL		09j23j74 74:00	09j28j74 73:34	7
Barium	0\$304		0\$020	0\$0050	mFjL		09j23j74 74:00	09j28j74 73:34	7
1 a/ mium	n D		0\$020	0\$0090	mFjL		09j23j74 74:00	09j28j74 73:34	7
1 hromium	0\$02#2 J		0\$040	0\$070	mFjL		09j23j74 74:00	09j28j74 73:34	7
Lea/	n D		0\$070	0\$030	mFjL		09j23j74 74:00	09j28j74 73:34	7
ke@l ium	n D		0\$029	0\$085	mFjL		09j23j74 74:00	09j28j74 73:34	7
ki@er	n D		0\$060	0\$075	mFjL		09j23j74 74:00	09j28j74 73:34	7

Lab Sample ID: 480-60204-12 MS

MatrIP: Solid

Fnalysis Batch: 184801

Client Sample ID: T-2 F-1 0-1

Trep Nype: NCLT

Trep Batch: 189894

Fnalyste	Sample Result	Sample Quali%er	Spike Fdded	MS Result	MS Quali%er	f nit	D	Rec	Rec7 Limits
Arsel ic	n D		7\$0	7\$2		mFjL		772	59 - 729
Barium	0\$3 B		7\$0	7\$9		mFjL		702	59 - 729
1 a/ mium	0\$0089 J		7\$0	7\$0		mFjL		770	59 - 729
1 hromium	0\$0#7 B		7\$0	0\$29		mFjL		#2	59 - 729
Lea/	0\$77		7\$0	7\$7		mFjL		700	59 - 729
ke@l ium	0\$79 J		7\$0	7\$4		mFjL		773	59 - 729
ki@er	n D		7\$0	7\$2		mFjL		722	59 - 729

TestAmerica Buffa@

QC Sample Results

1001: nEN worYk tate DS S S

TestAmerica Job ID: 480-60204-7

EroRctj kite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Method: 6010C - Metals)ICT5)Continued5

Lab Sample ID: 480-60204-12 MSD

MatriP: Solid

Fnalysis Batch: 184801

Client Sample ID: T-2 F-1 0-1

Trep Nype: NCLT

Trep Batch: 189894

Fnalyste	Sample Result	Sample Qualier	Spike Fdded	MSD Result	MSD Qualier	f nit	D	. Rec	. Rec7 Limits	RTD	Limit
Arsel ic	n D		7\$0	7\$#		mFjL		70#	59 - 729	3	20
Barium	0\$3	B	7\$0	7\$0		mFjL		#8	59 - 729	2	20
1 a/ mium	0\$0089	J	7\$0	7\$5		mFjL		705	59 - 729	3	20
1 hromium	0\$0#7	B	7\$0	0\$#8		mFjL		8#	59 - 729	3	20
Lea/	0\$77		7\$0	0\$#0		mFjL		#8	59 - 729	2	20
ke@l ium	0\$79	J	7\$0	7\$7		mFjL		70#	59 - 729	3	20
ki@er	n D		7\$0	7\$#		mFjL		77#	59 - 729	2	20

Method: v4v0F_FST - Mercury)CVFF5

Lab Sample ID: MB 480-189848/2-F

MatriP: Solid

Fnalysis Batch: 184218

Client Sample ID: Method Blank

Trep Nype: Notal/AF

Trep Batch: 189848

Fnalyste	MB Result	MB Qualier	RL	MDL	f nit	D	Trepared	Fnalyl@d	Dil zac
Mercury	n D		0\$0020	0\$0072	mFjL		09j23j74 73:79	09j23j74 76:28	7

Lab Sample ID: LCS 480-189848/9-F

MatriP: Solid

Fnalysis Batch: 184218

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Trep Batch: 189848

Fnalyste	Spike Fdded	LCS Result	LCS Qualier	f nit	D	. Rec	. Rec7 Limits
Mercury	0\$0668	0\$0692		mFjL		#8	80 - 720

Lab Sample ID: LB 480-189(x2/1-C

MatriP: Solid

Fnalysis Batch: 184218

Client Sample ID: Method Blank

Trep Nype: NCLT

Trep Batch: 189848

Fnalyste	LB Result	LB Qualier	RL	MDL	f nit	D	Trepared	Fnalyl@d	Dil zac
Mercury	n D		0\$0020	0\$0072	mFjL		09j23j74 73:79	09j23j74 76:26	7

Lab Sample ID: 480-60204-12 MS

MatriP: Solid

Fnalysis Batch: 184218

Client Sample ID: T-2 F-1 0-1

Trep Nype: NCLT

Trep Batch: 189848

Fnalyste	Sample Result	Sample Qualier	Spike Fdded	MS Result	MS Qualier	f nit	D	. Rec	. Rec7 Limits
Mercury	n D		0\$0668	0\$06#9		mFjL		704	59 - 729

Lab Sample ID: 480-60204-12 MSD

MatriP: Solid

Fnalysis Batch: 184218

Client Sample ID: T-2 F-1 0-1

Trep Nype: NCLT

Trep Batch: 189848

Fnalyste	Sample Result	Sample Qualier	Spike Fdded	MSD Result	MSD Qualier	f nit	D	. Rec	. Rec7 Limits	RTD	Limit
Mercury	n D		0\$0668	0\$0668		mFjL		700	59 - 729	4	20

TestAmerica Buffa@

QC Sample Results

1001: nEN worYk tate DS S

TestAmerica Job ID: 480-60204-7

ErEctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Method: 1010F - Ignitability, Tensky-Martens Closed Cup Method

Lab Sample ID: LCS 480-189649/1

MatriP: Solid

Fnlalysis Batch: 189649

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Fnllyte	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec ##	. Rec7 Limits
d@shpoil t	87\$	80\$0		DeFrees d			#5\$ - 702S 9

Lab Sample ID: 480-60204-9 Df

MatriP: Solid

Fnlalysis Batch: 189649

Client Sample ID: T-9 C-1 11-12

Trep Nype: Notal/AF

Fnllyte	Sample Result	Sample Quali%er	Df Result	Df Quali%er	f nit	D	RTD Limit
d@shpoil t	>756\$		>756\$		DeFrees d		n 1 70

Lab Sample ID: LCS 480-1898x0/1

MatriP: Solid

Fnlalysis Batch: 1898x0

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Fnllyte	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec ##	. Rec7 Limits
d@shpoil t	87\$	80\$0		DeFrees d			#5\$ - 702S 9

Lab Sample ID: 480-60204-19 Df

MatriP: Solid

Fnlalysis Batch: 1898x0

Client Sample ID: T-2 F-1 (-6

Trep Nype: Notal/AF

Fnllyte	Sample Result	Sample Quali%er	Df Result	Df Quali%er	f nit	D	RTD Limit
d@shpoil t	>756\$		>756\$		DeFrees d		n 1 70

Method: x012 - Cyanide, Reacti3e

Lab Sample ID: MB 480-189x(v/1-F

MatriP: Solid

Fnlalysis Batch: 18404v

Client Sample ID: Method Blank

Trep Nype: Notal/AF

Trep Batch: 189x(v

Fnllyte	MB Result	MB Quali%er	RL	MDL	f nit	D	Trepared	FnllyUed	Dil zac
1 yal i/ e, Reactive	nD		70\$	0\$030	mFJKF		09j23j74 27:70	09j26j74 0#:70	7

Lab Sample ID: LCS 480-189x(v/2-F

MatriP: Solid

Fnlalysis Batch: 18404v

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Trep Batch: 189x(v

Fnllyte	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec 42	. Rec7 Limits
1 yal i/ e, Reactive	7000	427\$		mFJKF			70 - 700

Lab Sample ID: 480-60204-1 Df

MatriP: Solid

Fnlalysis Batch: 18404v

Client Sample ID: T-9 C-1 0-1

Trep Nype: Notal/AF

Trep Batch: 189x(v

Fnllyte	Sample Result	Sample Quali%er	Df Result	Df Quali%er	f nit	D	RTD Limit
1 yal i/ e, Reactive	nD		nD		mFJKF		n 1 20

TestAmerica Buffa@

QC Sample Results

10el t: n eN worYk tate DS S

TestAmerica Job ID: 480-60204-7

EroEctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Method: x012 - Cyanide, Reacti3e)Continued5

Lab Sample ID: MB 480-18404(/1-F

MatriP: Solid

Fnalysis Batch: 1840(1

Client Sample ID: Method Blank

Trep Nype: Notal/AF

Trep Batch: 18404(

Fnalyste	MB Result	MB Quali%er	RL	MDL	f nit	D	Tprepared	Fnalyste	Dil zac
1 yal i/ e, Reactive	n D		70\$	0\$030	mFjKF	-	09j26j74 00:29	09j26j74 0#:39	7

Lab Sample ID: LCS 480-18404(/2-F

MatriP: Solid

Fnalysis Batch: 1840(1

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Trep Batch: 18404(

Fnalyste	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	Rec7 Limits
1 yal i/ e, Reactive	7000	373\$		mFjKF	-	37	70 - 700

Lab Sample ID: 480-60204-6 Df

MatriP: Solid

Fnalysis Batch: 1840(1

Client Sample ID: T-9 B-1 11-12

Trep Nype: Notal/AF

Trep Batch: 18404(

Fnalyste	Sample Result	Sample Quali%er	Df Result	Df Quali%er	f nit	D	RTD Limit
1 yal i/ e, Reactive	n D		0\$00	J	mFjKF	-	n 1 20

Method: x094 - Sul%de, Reacti3e

Lab Sample ID: MB 480-189x(8/1-F

MatriP: Solid

Fnalysis Batch: 1840(0

Client Sample ID: Method Blank

Trep Nype: Notal/AF

Trep Batch: 189x(8

Fnalyste	MB Result	MB Quali%er	RL	MDL	f nit	D	Tprepared	Fnalyste	Dil zac
k u@/ e, Reactive	n D		70\$	0\$5	mFjKF	-	09j23j74 27:70	09j26j74 08:79	7

Lab Sample ID: LCS 480-189x(8/2-F

MatriP: Solid

Fnalysis Batch: 1840(0

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Trep Batch: 189x(8

Fnalyste	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	Rec7 Limits
k u@/ e, Reactive	7000	827\$		mFjKF	-	82	70 - 700

Lab Sample ID: 480-60204-1 Df

MatriP: Solid

Fnalysis Batch: 1840(0

Client Sample ID: T-9 C-1 0-1

Trep Nype: Notal/AF

Trep Batch: 189x(8

Fnalyste	Sample Result	Sample Quali%er	Df Result	Df Quali%er	f nit	D	RTD Limit
k u@/ e, Reactive	n D		n D		mFjKF	-	n 1 20

Lab Sample ID: MB 480-184046/1-F

MatriP: Solid

Fnalysis Batch: 1840(2

Client Sample ID: Method Blank

Trep Nype: Notal/AF

Trep Batch: 184046

Fnalyste	MB Result	MB Quali%er	RL	MDL	f nit	D	Tprepared	Fnalyste	Dil zac
k u@/ e, Reactive	n D		70\$	0\$5	mFjKF	-	09j26j74 00:29	09j26j74 0#:30	7

TestAmerica Buffa@

QC Sample Results

100% of the work is done in the lab

Product: 1-Tol anil / a dorFe:kiteg #79254

TestAmerica Job ID: 480-60204-7

Method: x094 - Sul%de, Reacti3e)Continued5

Lab Sample ID: LCS 480-184046/2-F

MatriP: Solid

Fnalysis Batch: 1840(2

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Trep Batch: 184046

Fnalysite	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec7 Limits
ku0/ e, Reactive	7000	8275		mFjKF		82	70 - 700

Lab Sample ID: 480-60204-6 Df

MatriP: Solid

Fnalysis Batch: 1840(2

Client Sample ID: T-9 B-1 11-12

Trep Nype: Notal/AF

Trep Batch: 184046

Fnalysite	Sample Result	Sample Quali%er	Df Result	Df Quali%er	f nit	D	RTD	RTD Limit
ku0/ e, Reactive	nD		nD		mFjKF		n1	20

Method: x04(D - pH

Lab Sample ID: LCS 480-189v00/1

MatriP: Solid

Fnalysis Batch: 189v00

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Fnalysite	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec7 Limits
pH	500	6350		kU		700	## - 707

Lab Sample ID: LCS 480-189x(2/1

MatriP: Solid

Fnalysis Batch: 189x(2

Client Sample ID: Lab Control Sample

Trep Nype: Notal/AF

Fnalysite	Spike Fdded	LCS Result	LCS Quali%er	f nit	D	. Rec	. Rec7 Limits
pH	500	6360		kU		##	## - 707

QC Association Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60204-7

EroEctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

GC/MS VOA

Leach Batch: 183594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	T1 BE	koQ	7377	
480-60204-2	E-3 1-7 9-6	T1 BE	koQ	7377	
480-60204-3	E-3 1-7 77-72	T1 BE	koQ	7377	
480-60204-4	E-3 L-7 0-7	T1 BE	koQ	7377	
480-60204-9	E-3 L-7 9-6	T1 BE	koQ	7377	
480-60204-6	E-3 L-7 77-72	T1 BE	koQ	7377	
480-60204-5	E-3 A-7 0-7	T1 BE	koQ	7377	
480-60204-8	E-3 A-7 9-6	T1 BE	koQ	7377	
480-60204-#	E-3 A-7 77-72	T1 BE	koQ	7377	
480-60204-70	E-2 L-7 0-7	T1 BE	koQ	7377	
480-60204-77	E-2 L-7 9-6	T1 BE	koQ	7377	
480-60204-72	E-2 A-7 0-7	T1 BE	koQ	7377	
480-60204-73	E-2 A-7 9-6	T1 BE	koQ	7377	
480-60204-73 Mk	E-2 A-7 9-6	T1 BE	koQ	7377	
480-60204-73 Mk D	E-2 A-7 9-6	T1 BE	koQ	7377	
BL 480-7839#4j7-A	Metho/ LQl Y	T1 BE	koQ	7377	

Analysis Batch: 183934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	T1 BE	koQ	82601	7839#4
480-60204-2	E-3 1-7 9-6	T1 BE	koQ	82601	7839#4
480-60204-3	E-3 1-7 77-72	T1 BE	koQ	82601	7839#4
480-60204-4	E-3 L-7 0-7	T1 BE	koQ	82601	7839#4
480-60204-9	E-3 L-7 9-6	T1 BE	koQ	82601	7839#4
480-60204-6	E-3 L-7 77-72	T1 BE	koQ	82601	7839#4
480-60204-5	E-3 A-7 0-7	T1 BE	koQ	82601	7839#4
480-60204-8	E-3 A-7 9-6	T1 BE	koQ	82601	7839#4
480-60204-#	E-3 A-7 77-72	T1 BE	koQ	82601	7839#4
480-60204-70	E-2 L-7 0-7	T1 BE	koQ	82601	7839#4
480-60204-77	E-2 L-7 9-6	T1 BE	koQ	82601	7839#4
480-60204-72	E-2 A-7 0-7	T1 BE	koQ	82601	7839#4
480-60204-73	E-2 A-7 9-6	T1 BE	koQ	82601	7839#4
480-60204-73 Mk	E-2 A-7 9-6	T1 BE	koQ	82601	7839#4
480-60204-73 Mk D	E-2 A-7 9-6	T1 BE	koQ	82601	7839#4
BL 480-7839#4j7-A	Metho/ LQl Y	T1 BE	koQ	82601	7839#4
B1 k 480-783#34j4	Bab 1 ol troQkampQ	TotaQn A	koQ	82601	
ML 480-783#34j6	Metho/ LQl Y	TotaQn A	koQ	82601	

GC/MS Semi VOA

Leach Batch: 183592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	T1 BE	koQ	7377	
480-60204-2	E-3 1-7 9-6	T1 BE	koQ	7377	
480-60204-3	E-3 1-7 77-72	T1 BE	koQ	7377	
480-60204-4	E-3 L-7 0-7	T1 BE	koQ	7377	
480-60204-9	E-3 L-7 9-6	T1 BE	koQ	7377	
480-60204-6	E-3 L-7 77-72	T1 BE	koQ	7377	
480-60204-5	E-3 A-7 0-7	T1 BE	koQ	7377	
480-60204-8	E-3 A-7 9-6	T1 BE	koQ	7377	

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QC Association Summary

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TestAmerica Job ID: 480-60204-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

GC/MS Semi VOA (Continued)

Leach Batch: 183592 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-#	E-3 A-7 77-72	T1 BE	koQ	7377	
480-60204-70	E-2 L-7 0-7	T1 BE	koQ	7377	
480-60204-77	E-2 L-7 9-6	T1 BE	koQ	7377	
480-60204-72	E-2 A-7 0-7	T1 BE	koQ	7377	
480-60204-73	E-2 A-7 9-6	T1 BE	koQ	7377	
BL 480-7839#2j7-D	Metho/ L@l Y	T1 BE	koQ	7377	

Prep Batch: 184278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	T1 BE	koQ	39701	7839#2
480-60204-2	E-3 1-7 9-6	T1 BE	koQ	39701	7839#2
480-60204-3	E-3 1-7 77-72	T1 BE	koQ	39701	7839#2
480-60204-4	E-3 L-7 0-7	T1 BE	koQ	39701	7839#2
480-60204-9	E-3 L-7 9-6	T1 BE	koQ	39701	7839#2
480-60204-6	E-3 L-7 77-72	T1 BE	koQ	39701	7839#2
480-60204-5	E-3 A-7 0-7	T1 BE	koQ	39701	7839#2
480-60204-8	E-3 A-7 9-6	T1 BE	koQ	39701	7839#2
480-60204-#	E-3 A-7 77-72	T1 BE	koQ	39701	7839#2
480-60204-70	E-2 L-7 0-7	T1 BE	koQ	39701	7839#2
480-60204-77	E-2 L-7 9-6	T1 BE	koQ	39701	7839#2
480-60204-72	E-2 A-7 0-7	T1 BE	koQ	39701	7839#2
480-60204-73	E-2 A-7 9-6	T1 BE	koQ	39701	7839#2
BL 480-7839#2j7-D	Metho/ L@l Y	T1 BE	koQ	39701	7839#2
B1 k 480-784258j2-A	Bab 1 ol troQkampQ	TotaQh A	koQ	39701	
B1 k D 480-784258j3-A	Bab 1 ol troQkampQ Dup	TotaQh A	koQ	39701	
ML 480-784258j7-A	Metho/ L@l Y	TotaQh A	koQ	39701	

Analysis Batch: 184693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	T1 BE	koQ	8250D	784258
480-60204-2	E-3 1-7 9-6	T1 BE	koQ	8250D	784258
480-60204-3	E-3 1-7 77-72	T1 BE	koQ	8250D	784258
480-60204-4	E-3 L-7 0-7	T1 BE	koQ	8250D	784258
480-60204-9	E-3 L-7 9-6	T1 BE	koQ	8250D	784258
480-60204-6	E-3 L-7 77-72	T1 BE	koQ	8250D	784258
480-60204-5	E-3 A-7 0-7	T1 BE	koQ	8250D	784258
480-60204-8	E-3 A-7 9-6	T1 BE	koQ	8250D	784258
480-60204-#	E-3 A-7 77-72	T1 BE	koQ	8250D	784258
480-60204-70	E-2 L-7 0-7	T1 BE	koQ	8250D	784258
480-60204-77	E-2 L-7 9-6	T1 BE	koQ	8250D	784258
480-60204-72	E-2 A-7 0-7	T1 BE	koQ	8250D	784258
480-60204-73	E-2 A-7 9-6	T1 BE	koQ	8250D	784258
BL 480-7839#2j7-D	Metho/ L@l Y	T1 BE	koQ	8250D	784258
B1 k 480-784258j2-A	Bab 1 ol troQkampQ	TotaQh A	koQ	8250D	784258
B1 k D 480-784258j3-A	Bab 1 ol troQkampQ Dup	TotaQh A	koQ	8250D	784258
ML 480-784258j7-A	Metho/ L@l Y	TotaQh A	koQ	8250D	784258

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QC Association Summary

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TestAmerica Job ID: 480-60204-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

GC Semi VOA

Prep Batch: 183427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	Total A	ko	39901	
480-60204-7 Mk	E-3 1-7 0-7	Total A	ko	39901	
480-60204-7 Mk D	E-3 1-7 0-7	Total A	ko	39901	
480-60204-2	E-3 1-7 9-6	Total A	ko	39901	
480-60204-3	E-3 1-7 77-72	Total A	ko	39901	
480-60204-4	E-3 L-7 0-7	Total A	ko	39901	
480-60204-9	E-3 L-7 9-6	Total A	ko	39901	
480-60204-6	E-3 L-7 77-72	Total A	ko	39901	
480-60204-5	E-3 A-7 0-7	Total A	ko	39901	
480-60204-8	E-3 A-7 9-6	Total A	ko	39901	
480-60204-#	E-3 A-7 77-72	Total A	ko	39901	
480-60204-70	E-2 L-7 0-7	Total A	ko	39901	
480-60204-77	E-2 L-7 9-6	Total A	ko	39901	
480-60204-72	E-2 A-7 0-7	Total A	ko	39901	
480-60204-73	E-2 A-7 9-6	Total A	ko	39901	
B1 k 480-783425j2-A	Bab 1 ol troKamp	Total A	ko	39901	
ML 480-783425j7-A	Metho/ L@l Y	Total A	ko	39901	

Analysis Batch: 183743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	Total A	ko	8082A	783425
480-60204-7 Mk	E-3 1-7 0-7	Total A	ko	8082A	783425
480-60204-7 Mk D	E-3 1-7 0-7	Total A	ko	8082A	783425
480-60204-2	E-3 1-7 9-6	Total A	ko	8082A	783425
480-60204-3	E-3 1-7 77-72	Total A	ko	8082A	783425
480-60204-4	E-3 L-7 0-7	Total A	ko	8082A	783425
480-60204-9	E-3 L-7 9-6	Total A	ko	8082A	783425
480-60204-6	E-3 L-7 77-72	Total A	ko	8082A	783425
480-60204-5	E-3 A-7 0-7	Total A	ko	8082A	783425
480-60204-8	E-3 A-7 9-6	Total A	ko	8082A	783425
480-60204-#	E-3 A-7 77-72	Total A	ko	8082A	783425
480-60204-70	E-2 L-7 0-7	Total A	ko	8082A	783425
480-60204-77	E-2 L-7 9-6	Total A	ko	8082A	783425
480-60204-72	E-2 A-7 0-7	Total A	ko	8082A	783425
480-60204-73	E-2 A-7 9-6	Total A	ko	8082A	783425
B1 k 480-783425j2-A	Bab 1 ol troKamp	Total A	ko	8082A	783425
ML 480-783425j7-A	Metho/ L@l Y	Total A	ko	8082A	783425

Metals

Leach Batch: 183592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	T1 BE	ko	7377	
480-60204-2	E-3 1-7 9-6	T1 BE	ko	7377	
480-60204-3	E-3 1-7 77-72	T1 BE	ko	7377	
480-60204-4	E-3 L-7 0-7	T1 BE	ko	7377	
480-60204-9	E-3 L-7 9-6	T1 BE	ko	7377	
480-60204-6	E-3 L-7 77-72	T1 BE	ko	7377	
480-60204-5	E-3 A-7 0-7	T1 BE	ko	7377	
480-60204-8	E-3 A-7 9-6	T1 BE	ko	7377	

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QC Association Summary

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TestAmerica Job ID: 480-60204-7

EroEctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

Metals (Continued)

Leach Batch: 183592 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-#	E-3 A-7 77-72	T1 BE	ko	7377	
480-60204-70	E-2 L-7 0-7	T1 BE	ko	7377	
480-60204-77	E-2 L-7 9-6	T1 BE	ko	7377	
480-60204-72	E-2 A-7 0-7	T1 BE	ko	7377	
480-60204-72 Mk	E-2 A-7 0-7	T1 BE	ko	7377	
480-60204-72 Mk D	E-2 A-7 0-7	T1 BE	ko	7377	
480-60204-73	E-2 A-7 9-6	T1 BE	ko	7377	
BL 480-7839#2j7-L	Metho/ L	T1 BE	ko	7377	
BL 480-7839#2j7-1	Metho/ L	T1 BE	ko	7377	

Prep Batch: 183834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	T1 BE	ko	3070A	7839#2
480-60204-2	E-3 1-7 9-6	T1 BE	ko	3070A	7839#2
480-60204-3	E-3 1-7 77-72	T1 BE	ko	3070A	7839#2
480-60204-4	E-3 L-7 0-7	T1 BE	ko	3070A	7839#2
480-60204-9	E-3 L-7 9-6	T1 BE	ko	3070A	7839#2
480-60204-6	E-3 L-7 77-72	T1 BE	ko	3070A	7839#2
480-60204-5	E-3 A-7 0-7	T1 BE	ko	3070A	7839#2
480-60204-8	E-3 A-7 9-6	T1 BE	ko	3070A	7839#2
480-60204-#	E-3 A-7 77-72	T1 BE	ko	3070A	7839#2
480-60204-70	E-2 L-7 0-7	T1 BE	ko	3070A	7839#2
480-60204-77	E-2 L-7 9-6	T1 BE	ko	3070A	7839#2
480-60204-72	E-2 A-7 0-7	T1 BE	ko	3070A	7839#2
480-60204-72 Mk	E-2 A-7 0-7	T1 BE	ko	3070A	7839#2
480-60204-72 Mk D	E-2 A-7 0-7	T1 BE	ko	3070A	7839#2
480-60204-73	E-2 A-7 9-6	T1 BE	ko	3070A	7839#2
BL 480-7839#2j7-L	Metho/ L	T1 BE	ko	3070A	7839#2
B1 k 480-783834j3-A	Bab 1 ol troK amp	Tota	ko	3070A	
ML 480-783834j2-A	Metho/ L	Tota	ko	3070A	

Prep Batch: 183848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	T1 BE	ko	5450A	7839#2
480-60204-2	E-3 1-7 9-6	T1 BE	ko	5450A	7839#2
480-60204-3	E-3 1-7 77-72	T1 BE	ko	5450A	7839#2
480-60204-4	E-3 L-7 0-7	T1 BE	ko	5450A	7839#2
480-60204-9	E-3 L-7 9-6	T1 BE	ko	5450A	7839#2
480-60204-6	E-3 L-7 77-72	T1 BE	ko	5450A	7839#2
480-60204-5	E-3 A-7 0-7	T1 BE	ko	5450A	7839#2
480-60204-8	E-3 A-7 9-6	T1 BE	ko	5450A	7839#2
480-60204-#	E-3 A-7 77-72	T1 BE	ko	5450A	7839#2
480-60204-70	E-2 L-7 0-7	T1 BE	ko	5450A	7839#2
480-60204-77	E-2 L-7 9-6	T1 BE	ko	5450A	7839#2
480-60204-72	E-2 A-7 0-7	T1 BE	ko	5450A	7839#2
480-60204-72 Mk	E-2 A-7 0-7	T1 BE	ko	5450A	7839#2
480-60204-72 Mk D	E-2 A-7 0-7	T1 BE	ko	5450A	7839#2
480-60204-73	E-2 A-7 9-6	T1 BE	ko	5450A	7839#2
BL 480-7839#2j7-1	Metho/ L	T1 BE	ko	5450A	7839#2
B1 k 480-783848j3-A	Bab 1 ol troK amp	Tota	ko	5450A	
ML 480-783848j2-A	Metho/ L	Tota	ko	5450A	

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QC Association Summary

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TestAmerica Job ID: 480-60204-7

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Metals (Continued)

Analysis Batch: 184218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	T1 BE	koQ	5450A_Ak E	783848
480-60204-2	E-3 1-7 9-6	T1 BE	koQ	5450A_Ak E	783848
480-60204-3	E-3 1-7 77-72	T1 BE	koQ	5450A_Ak E	783848
480-60204-4	E-3 L-7 0-7	T1 BE	koQ	5450A_Ak E	783848
480-60204-9	E-3 L-7 9-6	T1 BE	koQ	5450A_Ak E	783848
480-60204-6	E-3 L-7 77-72	T1 BE	koQ	5450A_Ak E	783848
480-60204-5	E-3 A-7 0-7	T1 BE	koQ	5450A_Ak E	783848
480-60204-8	E-3 A-7 9-6	T1 BE	koQ	5450A_Ak E	783848
480-60204-#	E-3 A-7 77-72	T1 BE	koQ	5450A_Ak E	783848
480-60204-70	E-2 L-7 0-7	T1 BE	koQ	5450A_Ak E	783848
480-60204-77	E-2 L-7 9-6	T1 BE	koQ	5450A_Ak E	783848
480-60204-72	E-2 A-7 0-7	T1 BE	koQ	5450A_Ak E	783848
480-60204-72 Mk	E-2 A-7 0-7	T1 BE	koQ	5450A_Ak E	783848
480-60204-72 Mk D	E-2 A-7 0-7	T1 BE	koQ	5450A_Ak E	783848
480-60204-73	E-2 A-7 9-6	T1 BE	koQ	5450A_Ak E	783848
BL 480-7839#2j7-1	Metho/ L Ql Y	T1 BE	koQ	5450A_Ak E	783848
B1 k 480-783848j3-A	Bab 1 ol troCk ampQ	TotaQh A	koQ	5450A_Ak E	783848
ML 480-783848j2-A	Metho/ L Ql Y	TotaQh A	koQ	5450A_Ak E	783848

Analysis Batch: 184584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	T1 BE	koQ	60701	783834
480-60204-2	E-3 1-7 9-6	T1 BE	koQ	60701	783834
480-60204-3	E-3 1-7 77-72	T1 BE	koQ	60701	783834
480-60204-4	E-3 L-7 0-7	T1 BE	koQ	60701	783834
BL 480-7839#2j7-L	Metho/ L Ql Y	T1 BE	koQ	60701	783834
B1 k 480-783834j3-A	Bab 1 ol troCk ampQ	TotaQh A	koQ	60701	783834
ML 480-783834j2-A	Metho/ L Ql Y	TotaQh A	koQ	60701	783834

Analysis Batch: 184801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-9	E-3 L-7 9-6	T1 BE	koQ	60701	783834
480-60204-6	E-3 L-7 77-72	T1 BE	koQ	60701	783834
480-60204-5	E-3 A-7 0-7	T1 BE	koQ	60701	783834
480-60204-8	E-3 A-7 9-6	T1 BE	koQ	60701	783834
480-60204-#	E-3 A-7 77-72	T1 BE	koQ	60701	783834
480-60204-70	E-2 L-7 0-7	T1 BE	koQ	60701	783834
480-60204-77	E-2 L-7 9-6	T1 BE	koQ	60701	783834
480-60204-72	E-2 A-7 0-7	T1 BE	koQ	60701	783834
480-60204-72 Mk	E-2 A-7 0-7	T1 BE	koQ	60701	783834
480-60204-72 Mk D	E-2 A-7 0-7	T1 BE	koQ	60701	783834
480-60204-73	E-2 A-7 9-6	T1 BE	koQ	60701	783834

General Chemistry

Analysis Batch: 183137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	TotaQh A	koQ	Moisture	
480-60204-2	E-3 1-7 9-6	TotaQh A	koQ	Moisture	
480-60204-3	E-3 1-7 77-72	TotaQh A	koQ	Moisture	

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QC Association Summary

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TestAmerica Job ID: 480-60204-7

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General Chemistry (Continued)

Analysis Batch: 183137 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-4	E-3 L-7 0-7	Total A	ko	Moisture	
480-60204-9	E-3 L-7 9-6	Total A	ko	Moisture	
480-60204-6	E-3 L-7 77-72	Total A	ko	Moisture	
480-60204-5	E-3 A-7 0-7	Total A	ko	Moisture	
480-60204-8	E-3 A-7 9-6	Total A	ko	Moisture	
480-60204-#	E-3 A-7 77-72	Total A	ko	Moisture	
480-60204-70	E-2 L-7 0-7	Total A	ko	Moisture	
480-60204-77	E-2 L-7 9-6	Total A	ko	Moisture	
480-60204-72	E-2 A-7 0-7	Total A	ko	Moisture	
480-60204-73	E-2 A-7 9-6	Total A	ko	Moisture	

Analysis Batch: 183643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	Total A	ko	7070A	
480-60204-2	E-3 1-7 9-6	Total A	ko	7070A	
480-60204-3	E-3 1-7 77-72	Total A	ko	7070A	
480-60204-3 DU	E-3 1-7 77-72	Total A	ko	7070A	
480-60204-4	E-3 L-7 0-7	Total A	ko	7070A	
480-60204-9	E-3 L-7 9-6	Total A	ko	7070A	
480-60204-6	E-3 L-7 77-72	Total A	ko	7070A	
480-60204-5	E-3 A-7 0-7	Total A	ko	7070A	
480-60204-8	E-3 A-7 9-6	Total A	ko	7070A	
480-60204-#	E-3 A-7 77-72	Total A	ko	7070A	
B1 k 480-783643j7	Bab 1 ol trok amp	Total A	ko	7070A	

Analysis Batch: 183700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-3	E-3 1-7 77-72	Total A	ko	#049D	
480-60204-6	E-3 L-7 77-72	Total A	ko	#049D	
480-60204-5	E-3 A-7 0-7	Total A	ko	#049D	
480-60204-70	E-2 L-7 0-7	Total A	ko	#049D	
B1 k 480-783500j7	Bab 1 ol trok amp	Total A	ko	#049D	

Analysis Batch: 183890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-70	E-2 L-7 0-7	Total A	ko	7070A	
480-60204-77	E-2 L-7 9-6	Total A	ko	7070A	
480-60204-72	E-2 A-7 0-7	Total A	ko	7070A	
480-60204-73	E-2 A-7 9-6	Total A	ko	7070A	
480-60204-73 DU	E-2 A-7 9-6	Total A	ko	7070A	
B1 k 480-7838#0j7	Bab 1 ol trok amp	Total A	ko	7070A	

Analysis Batch: 183952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	Total A	ko	#049D	
480-60204-2	E-3 1-7 9-6	Total A	ko	#049D	
480-60204-4	E-3 L-7 0-7	Total A	ko	#049D	
480-60204-9	E-3 L-7 9-6	Total A	ko	#049D	
480-60204-8	E-3 A-7 9-6	Total A	ko	#049D	
480-60204-#	E-3 A-7 77-72	Total A	ko	#049D	
480-60204-77	E-2 L-7 9-6	Total A	ko	#049D	

TestAmerica Luffa

QC Association Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60204-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

General Chemistry (Continued)

Analysis Batch: 183952 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-72	E-2 A-7 0-7	Total A	ko	#049D	
480-60204-73	E-2 A-7 9-6	Total A	ko	#049D	
B1 k 480-783#92j7	Bab 1 ol troK amp	Total A	ko	#049D	

Prep Batch: 183957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	Total A	ko	5SS	
480-60204-7 DU	E-3 1-7 0-7	Total A	ko	5SS	
480-60204-2	E-3 1-7 9-6	Total A	ko	5SS	
480-60204-3	E-3 1-7 77-72	Total A	ko	5SS	
480-60204-4	E-3 L-7 0-7	Total A	ko	5SS	
480-60204-9	E-3 L-7 9-6	Total A	ko	5SS	
B1 k 480-783#95j2-A	Bab 1 ol troK amp	Total A	ko	5SS	
ML 480-783#95j7-A	Metho/ L@l Y	Total A	ko	5SS	

Prep Batch: 183958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	Total A	ko	5SS	
480-60204-7 DU	E-3 1-7 0-7	Total A	ko	5SS	
480-60204-2	E-3 1-7 9-6	Total A	ko	5SS	
480-60204-3	E-3 1-7 77-72	Total A	ko	5SS	
480-60204-4	E-3 L-7 0-7	Total A	ko	5SS	
480-60204-9	E-3 L-7 9-6	Total A	ko	5SS	
B1 k 480-783#98j2-A	Bab 1 ol troK amp	Total A	ko	5SS	
ML 480-783#98j7-A	Metho/ L@l Y	Total A	ko	5SS	

Prep Batch: 184045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-6	E-3 L-7 77-72	Total A	ko	5SS	
480-60204-6 DU	E-3 L-7 77-72	Total A	ko	5SS	
480-60204-5	E-3 A-7 0-7	Total A	ko	5SS	
480-60204-8	E-3 A-7 9-6	Total A	ko	5SS	
480-60204-#	E-3 A-7 77-72	Total A	ko	5SS	
480-60204-70	E-2 L-7 0-7	Total A	ko	5SS	
480-60204-77	E-2 L-7 9-6	Total A	ko	5SS	
480-60204-72	E-2 A-7 0-7	Total A	ko	5SS	
480-60204-73	E-2 A-7 9-6	Total A	ko	5SS	
B1 k 480-784049j2-A	Bab 1 ol troK amp	Total A	ko	5SS	
ML 480-784049j7-A	Metho/ L@l Y	Total A	ko	5SS	

Prep Batch: 184046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-6	E-3 L-7 77-72	Total A	ko	5SS	
480-60204-6 DU	E-3 L-7 77-72	Total A	ko	5SS	
480-60204-5	E-3 A-7 0-7	Total A	ko	5SS	
480-60204-8	E-3 A-7 9-6	Total A	ko	5SS	
480-60204-#	E-3 A-7 77-72	Total A	ko	5SS	
480-60204-70	E-2 L-7 0-7	Total A	ko	5SS	
480-60204-77	E-2 L-7 9-6	Total A	ko	5SS	
480-60204-72	E-2 A-7 0-7	Total A	ko	5SS	
480-60204-73	E-2 A-7 9-6	Total A	ko	5SS	

TestAmerica Luffa

QC Association Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60204-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

General Chemistry (Continued)

Prep Batch: 184046 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
B1 k 480-784046j2-A	Bab 1 ol troK amp@	TotaQh A	ko@	539	
ML 480-784046j7-A	Metho/ L@l Y	TotaQh A	ko@	539	

Analysis Batch: 184047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	TotaQh A	ko@	#072	783#95
480-60204-7 DU	E-3 1-7 0-7	TotaQh A	ko@	#072	783#95
480-60204-2	E-3 1-7 9-6	TotaQh A	ko@	#072	783#95
480-60204-3	E-3 1-7 77-72	TotaQh A	ko@	#072	783#95
480-60204-4	E-3 L-7 0-7	TotaQh A	ko@	#072	783#95
480-60204-9	E-3 L-7 9-6	TotaQh A	ko@	#072	783#95
B1 k 480-783#95j2-A	Bab 1 ol troK amp@	TotaQh A	ko@	#072	783#95
ML 480-783#95j7-A	Metho/ L@l Y	TotaQh A	ko@	#072	783#95

Analysis Batch: 184050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-7	E-3 1-7 0-7	TotaQh A	ko@	#034	783#98
480-60204-7 DU	E-3 1-7 0-7	TotaQh A	ko@	#034	783#98
480-60204-2	E-3 1-7 9-6	TotaQh A	ko@	#034	783#98
480-60204-3	E-3 1-7 77-72	TotaQh A	ko@	#034	783#98
480-60204-4	E-3 L-7 0-7	TotaQh A	ko@	#034	783#98
480-60204-9	E-3 L-7 9-6	TotaQh A	ko@	#034	783#98
B1 k 480-783#98j2-A	Bab 1 ol troK amp@	TotaQh A	ko@	#034	783#98
ML 480-783#98j7-A	Metho/ L@l Y	TotaQh A	ko@	#034	783#98

Analysis Batch: 184051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-6	E-3 L-7 77-72	TotaQh A	ko@	#072	784049
480-60204-6 DU	E-3 L-7 77-72	TotaQh A	ko@	#072	784049
480-60204-5	E-3 A-7 0-7	TotaQh A	ko@	#072	784049
480-60204-8	E-3 A-7 9-6	TotaQh A	ko@	#072	784049
480-60204-#	E-3 A-7 77-72	TotaQh A	ko@	#072	784049
480-60204-70	E-2 L-7 0-7	TotaQh A	ko@	#072	784049
480-60204-77	E-2 L-7 9-6	TotaQh A	ko@	#072	784049
480-60204-72	E-2 A-7 0-7	TotaQh A	ko@	#072	784049
480-60204-73	E-2 A-7 9-6	TotaQh A	ko@	#072	784049
B1 k 480-784049j2-A	Bab 1 ol troK amp@	TotaQh A	ko@	#072	784049
ML 480-784049j7-A	Metho/ L@l Y	TotaQh A	ko@	#072	784049

Analysis Batch: 184052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-60204-6	E-3 L-7 77-72	TotaQh A	ko@	#034	784046
480-60204-6 DU	E-3 L-7 77-72	TotaQh A	ko@	#034	784046
480-60204-5	E-3 A-7 0-7	TotaQh A	ko@	#034	784046
480-60204-8	E-3 A-7 9-6	TotaQh A	ko@	#034	784046
480-60204-#	E-3 A-7 77-72	TotaQh A	ko@	#034	784046
480-60204-70	E-2 L-7 0-7	TotaQh A	ko@	#034	784046
480-60204-77	E-2 L-7 9-6	TotaQh A	ko@	#034	784046
480-60204-72	E-2 A-7 0-7	TotaQh A	ko@	#034	784046
480-60204-73	E-2 A-7 9-6	TotaQh A	ko@	#034	784046
B1 k 480-784046j2-A	Bab 1 ol troK amp@	TotaQh A	ko@	#034	784046

TestAmerica Luffa@

QC Association Summary

1 Qel t: n eN worYk tate DS S S
EroPctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

TestAmerica Job ID: 480-60204-7

General Chemistry (Continued)

Analysis Batch: 184052 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
ML 480-784046j7-A	Metho/ L Ql Y	Total A	koQ	#034	784046

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60204-1

Client Sample ID: P-1 C-B2-B

Lab Sample ID: 452-82024-B

Date Collected: 2x dB/ dB4 25:44

6 atri7: SoliM

Date 9 ecei3eM: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 00:49	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 18:21	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		5	183743	05/24/14 00:34	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF
TCLP	Analysis	6010C		1	184584	05/28/14 13:43	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 16:34	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183643	05/22/14 09:03	RP	TAL BUF
Total/NA	Prep	7.3.3			183957	05/23/14 21:10	LAW	TAL BUF
Total/NA	Analysis	9012		1	184047	05/26/14 09:10	LAW	TAL BUF
Total/NA	Prep	7.3.4			183958	05/23/14 21:10	LAW	TAL BUF
Total/NA	Analysis	9034		1	184050	05/26/14 08:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 20:25	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 C-Bx-8

Lab Sample ID: 452-82024-0

Date Collected: 2x dB/ dB4 25:x/

6 atri7: SoliM

Date 9 ecei3eM: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 01:12	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 18:44	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		10	183743	05/24/14 00:49	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF
TCLP	Analysis	6010C		1	184584	05/28/14 13:46	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 16:36	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183643	05/22/14 09:03	RP	TAL BUF
Total/NA	Prep	7.3.3			183957	05/23/14 21:10	LAW	TAL BUF
Total/NA	Analysis	9012		1	184047	05/26/14 09:10	LAW	TAL BUF
Total/NA	Prep	7.3.4			183958	05/23/14 21:10	LAW	TAL BUF
Total/NA	Analysis	9034		1	184050	05/26/14 08:15	LAW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60204-1

Client Sample ID: P-1 C-Bx-8

Lab Sample ID: 452-82024-0

Date Collected: 2x dB/ dB4 25:x/

6 atri7: SoliM

Date Received: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
Total/NA	Analysis	9045D		1	183952	05/23/14 20:29	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 C-B BB-B0

Lab Sample ID: 452-82024-1

Date Collected: 2x dB/ dB4 2/ :B0

6 atri7: SoliM

Date Received: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 01:35	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 19:07	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		5	183743	05/24/14 01:03	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF
TCLP	Analysis	6010C		1	184584	05/28/14 13:49	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 16:37	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183643	05/22/14 09:03	RP	TAL BUF
Total/NA	Prep	7.3.3			183957	05/23/14 21:10	LAW	TAL BUF
Total/NA	Analysis	9012		1	184047	05/26/14 09:10	LAW	TAL BUF
Total/NA	Prep	7.3.4			183958	05/23/14 21:10	LAW	TAL BUF
Total/NA	Analysis	9034		1	184050	05/26/14 08:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 T-B2-B

Lab Sample ID: 452-82024-4

Date Collected: 2x dB/ dB4 2/ :01

6 atri7: SoliM

Date Received: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 01:58	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 19:30	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183743	05/24/14 01:18	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60204-1

Client Sample ID: P-1 T-B2-B

Lab Sample ID: 452-82024-4

Date Collected: 2x dB/ dB4 2/ :01

6 atri7: SoliM

Date Received: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Analysis	6010C		1	184584	05/28/14 13:52	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 16:39	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183643	05/22/14 09:03	RP	TAL BUF
Total/NA	Prep	7.3.3			183957	05/23/14 21:10	LAW	TAL BUF
Total/NA	Analysis	9012		1	184047	05/26/14 09:10	LAW	TAL BUF
Total/NA	Prep	7.3.4			183958	05/23/14 21:10	LAW	TAL BUF
Total/NA	Analysis	9034		1	184050	05/26/14 08:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 20:33	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 T-Bx-8

Lab Sample ID: 452-82024-x

Date Collected: 2x dB/ dB4 2/ :1x

6 atri7: SoliM

Date Received: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 02:21	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 19:53	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		20	183743	05/24/14 01:33	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF
TCLP	Analysis	6010C		1	184801	05/29/14 15:12	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 16:40	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183643	05/22/14 09:03	RP	TAL BUF
Total/NA	Prep	7.3.3			183957	05/23/14 21:10	LAW	TAL BUF
Total/NA	Analysis	9012		1	184047	05/26/14 09:10	LAW	TAL BUF
Total/NA	Prep	7.3.4			183958	05/23/14 21:10	LAW	TAL BUF
Total/NA	Analysis	9034		1	184050	05/26/14 08:15	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 20:37	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60204-1

Client Sample ID: P-1 T-B BB-B0

Lab Sample ID: 452-82024-8

Date Collected: 2x dB/ dB4 B2:22

6 atri7: SoliM

Date Received: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 02:44	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 20:16	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		20	183743	05/24/14 01:48	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF
TCLP	Analysis	6010C		1	184801	05/29/14 15:15	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 16:42	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183643	05/22/14 09:03	RP	TAL BUF
Total/NA	Prep	7.3.3			184045	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9012		1	184051	05/26/14 09:35	LAW	TAL BUF
Total/NA	Prep	7.3.4			184046	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9034		1	184052	05/26/14 09:30	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 y-B2-B

Lab Sample ID: 452-82024-F

Date Collected: 2x dB/ dB4 B2:B2

6 atri7: SoliM

Date Received: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 03:07	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 20:39	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		20	183743	05/24/14 02:32	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF
TCLP	Analysis	6010C		1	184801	05/29/14 15:18	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 16:44	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183643	05/22/14 09:03	RP	TAL BUF
Total/NA	Prep	7.3.3			184045	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9012		1	184051	05/26/14 09:35	LAW	TAL BUF
Total/NA	Prep	7.3.4			184046	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9034		1	184052	05/26/14 09:30	LAW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60204-1

Client Sample ID: P-1 y -B2-B

Lab Sample ID: 452-82024-F

Date Collected: 2x dB/ dB4 B2:B2

6 atri7: SoliM

Date 9 ecei3eM: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 y -Bx-8

Lab Sample ID: 452-82024-5

Date Collected: 2x dB/ dB4 B2:B1

6 atri7: SoliM

Date 9 ecei3eM: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 03:30	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 21:03	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		50	183743	05/24/14 02:47	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF
TCLP	Analysis	6010C		1	184801	05/29/14 15:21	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 16:45	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183643	05/22/14 09:03	RP	TAL BUF
Total/NA	Prep	7.3.3			184045	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9012		1	184051	05/26/14 09:35	LAW	TAL BUF
Total/NA	Prep	7.3.4			184046	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9034		1	184052	05/26/14 09:30	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 20:42	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-1 y -B BB-B0

Lab Sample ID: 452-82024-/

Date Collected: 2x dB/ dB4 B2:02

6 atri7: SoliM

Date 9 ecei3eM: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 03:53	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 21:26	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		50	183743	05/24/14 03:02	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60204-1

Client Sample ID: P-1 y-B BB-B0

Lab Sample ID: 452-82024-/

Date CollecteM 2xdB/ dB4 B2:02

6 atri7: SoliM

Date 9 ecei3eM 2xdB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Analysis	6010C		1	184801	05/29/14 15:24	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 16:47	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183643	05/22/14 09:03	RP	TAL BUF
Total/NA	Prep	7.3.3			184045	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9012		1	184051	05/26/14 09:35	LAW	TAL BUF
Total/NA	Prep	7.3.4			184046	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9034		1	184052	05/26/14 09:30	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 20:46	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-0 T-B2-B

Lab Sample ID: 452-82024-B2

Date CollecteM 2xdB/ dB4 B2:1x

6 atri7: SoliM

Date 9 ecei3eM 2xdB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 04:16	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 21:49	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183743	05/24/14 03:16	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF
TCLP	Analysis	6010C		1	184801	05/29/14 15:27	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 16:49	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183890	05/23/14 09:36	RP	TAL BUF
Total/NA	Prep	7.3.3			184045	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9012		1	184051	05/26/14 09:35	LAW	TAL BUF
Total/NA	Prep	7.3.4			184046	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9034		1	184052	05/26/14 09:30	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183700	05/22/14 20:09	JMB	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Client Sample ID: P-0 T-Bx-8

Lab Sample ID: 452-82024-BB

Date Collected: 2x dB/ dB4 B2:40

6 atri7: SoliM

Date Received: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 04:39	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 22:12	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183743	05/24/14 03:31	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF
TCLP	Analysis	6010C		1	184801	05/29/14 15:30	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 16:54	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183890	05/23/14 09:36	RP	TAL BUF
Total/NA	Prep	7.3.3			184045	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9012		1	184051	05/26/14 09:35	LAW	TAL BUF
Total/NA	Prep	7.3.4			184046	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9034		1	184052	05/26/14 09:30	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 20:50	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-0 y-B2-B

Lab Sample ID: 452-82024-B0

Date Collected: 2x dB/ dB4 B2:x2

6 atri7: SoliM

Date Received: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 05:02	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 22:36	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183743	05/24/14 03:46	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF
TCLP	Analysis	6010C		1	184801	05/29/14 15:33	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 16:56	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183890	05/23/14 09:36	RP	TAL BUF
Total/NA	Prep	7.3.3			184045	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9012		1	184051	05/26/14 09:35	LAW	TAL BUF
Total/NA	Prep	7.3.4			184046	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9034		1	184052	05/26/14 09:30	LAW	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60204-1

Client Sample ID: P-0 y -B2-B

Lab Sample ID: 452-82024-B0

Date Collected: 2x dB/ dB4 B2:x2

6 atri7: SoliM

Date Received: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
Total/NA	Analysis	9045D		1	183952	05/23/14 20:54	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Client Sample ID: P-0 y -Bx-8

Lab Sample ID: 452-82024-B1

Date Collected: 2x dB/ dB4 B2:x8

6 atri7: SoliM

Date Received: 2x dB/ dB4 B8:x2

Prep Rvpe	Tatch Rvpe	Tatch 6 ethoM	9 sn	Dilstion Nactor	Tatch z smber	PrepareM or y nalvueM	y nalvAt	Lab
TCLP	Leach	1311			183594	05/22/14 12:50	TRG	TAL BUF
TCLP	Analysis	8260C		10	183934	05/24/14 05:25	NQN	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3510C			184278	05/28/14 06:10	MCZ	TAL BUF
TCLP	Analysis	8270D		1	184693	05/30/14 22:59	AR1	TAL BUF
Total/NA	Prep	3550C			183427	05/21/14 19:52	JLS	TAL BUF
Total/NA	Analysis	8082A		1	183743	05/24/14 04:01	JMM	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	3010A			183834	05/23/14 14:00	EHD	TAL BUF
TCLP	Analysis	6010C		1	184801	05/29/14 15:56	MTM2	TAL BUF
TCLP	Leach	1311			183592	05/22/14 12:45	TRG	TAL BUF
TCLP	Prep	7470A			183848	05/23/14 13:15	EHD	TAL BUF
TCLP	Analysis	7470A_ASP		1	184218	05/23/14 17:03	SS1	TAL BUF
Total/NA	Analysis	1010A		1	183890	05/23/14 09:36	RP	TAL BUF
Total/NA	Prep	7.3.3			184045	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9012		1	184051	05/26/14 09:35	LAW	TAL BUF
Total/NA	Prep	7.3.4			184046	05/26/14 00:25	LAW	TAL BUF
Total/NA	Analysis	9034		1	184052	05/26/14 09:30	LAW	TAL BUF
Total/NA	Analysis	9045D		1	183952	05/23/14 20:59	KS	TAL BUF
Total/NA	Analysis	Moisture		1	183137	05/20/14 15:43	ZJR	TAL BUF

Laboratory Reference:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60204-7

1 roRectjSite: NYSDEC-Tonawan/ a dorFe:Siteg #79254

Laboratory: TestAmerica Buffalo

All certifications hel/ by this laboratory are liste/ . Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State 1 roFram	6	88-0686	05-06-74
California	State 1 roFram	#	776#CA	0#-30-74
Connecticut	State 1 roFram	7	1H-0968	0#-30-74
dlori/ a	NELA1	4	E85652	06-30-74
GeorFia	State 1 roFram	4	NjA	03-37-79
Illinois	NELA1	9	200003	0#-30-74
Iowa	State 1 roFram	5	354	03-07-79
Kansas	NELA1	5	E-70785	07-37-79
Kentucky (DW)	State 1 roFram	4	#002#	72-37-74
Kentucky (UST)	State 1 roFram	4	30	03-37-79
Louisiana	NELA1	6	02037	06-30-74
Maine	State 1 roFram	7	NY00044	72-04-74
Marylan/	State 1 roFram	3	2#4	03-37-79
Massachusetts	State 1 roFram	7	M-NY044	06-30-74
MichiFan	State 1 roFram	9	##35	03-37-79
Minnesota	NELA1	9	036-###-335	72-37-74
New Hampshire	NELA1	7	2335	77-75-74
New Jersey	NELA1	2	NY499	06-30-74
New York	NELA1	2	70026	03-37-79
North Dakota	State 1 roFram	8	R-756	03-37-74 *
Oklahoma	State 1 roFram	6	#427	08-37-74
OreFon	NELA1	70	NY200003	06-0#-74
1 ennsylvania	NELA1	3	68-00287	05-37-74
Rho/ e Islan/	State 1 roFram	7	LAO00328	72-30-74
Tennessee	State 1 roFram	4	TN02#50	03-37-79
Texas	NELA1	6	T704504472-77-2	05-37-74
USDA	de/ eral		1330-77-00386	77-22-74
VirFinia	NELA1	3	460789	0#-74-74
WashinFton	State 1 roFram	70	C584	02-70-79
Wisconsin	State 1 roFram	9	##83703#0	08-37-74

* Expire/ certification is currently pen/ inF renewal an/ is consi/ ere/ vali/ .

TestAmerica Buffalo

Method Summary

1 @el t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60204-7

EroRctjk ite: n wk D. 1 -Tol aNaI / a dorFe:k iteg #79254

Method	Method Description	Protocol	Laboratory
82601	Vo@ti@ OrFal ic 1 ompoul / s by G1 jMk	k W846	TAL BUd
8250D	k emivo@ti@ OrFal ic 1 ompoul / s (G1 jMk)	k W846	TAL BUd
8082A	Eo@ch@ril ate/ BipheI y@ (E1 Bs) by Gas 1 hromatoFraphy	k W846	TAL BUd
60701	Meta@ (I1 E)	k W846	TAL BUd
5450A_Ak E	Mercury (1 VAA)	k W846	TAL BUd
7070A	IFl itabi@y, Eel sYy-Martel s 1 @se/ 1 up Metho/	k W846	TAL BUd
#072	1 yal i/ e, Reactive	k W846	TAL BUd
#034	k u@/ e, Reactive	k W846	TAL BUd
#049D	pH	k W846	TAL BUd
Moisture	Eercel t Moisture	. EA	TAL BUd

Protocol References:

. EA = Uk . I virol mel ta@eroteetiol AFel cy

k W846 = "Test Metho/ s dor . va@atil F k o@ Waste, Ehysica@ hemica@Metho/ s", Thir/ . / itiol , n ovember 7#86 Al / Its Up/ atesS

Laboratory References:

TAL BUd = TestAmerica Buffa@, 70 Haze@loo/ Drive, Amherst, n w 74228-22#8, T. L (576)6#7-2600

Sample Summary

1 Qel t: n eN worYk tate DS S S

TestAmerica Job ID: 480-60204-7

EroRctjk ite: n wk D. 1 -Tol aNal / a dorFe:k iteg #79254

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-60204-7	E-B 1-7 0-7	koQ	09j7#j74 08:44	09j7#j74 76:90
480-60204-2	E-B 1-7 9-6	koQ	09j7#j74 08:9#	09j7#j74 76:90
480-60204-B	E-B 1-7 77-72	koQ	09j7#j74 0#:72	09j7#j74 76:90
480-60204-4	E-B 3-7 0-7	koQ	09j7#j74 0#:2B	09j7#j74 76:90
480-60204-9	E-B 3-7 9-6	koQ	09j7#j74 0#:B9	09j7#j74 76:90
480-60204-6	E-B 3-7 77-72	koQ	09j7#j74 70:00	09j7#j74 76:90
480-60204-5	E-B A-7 0-7	koQ	09j7#j74 70:70	09j7#j74 76:90
480-60204-8	E-B A-7 9-6	koQ	09j7#j74 70:7B	09j7#j74 76:90
480-60204-#	E-B A-7 77-72	koQ	09j7#j74 70:20	09j7#j74 76:90
480-60204-70	E-2 3-7 0-7	koQ	09j7#j74 70:B9	09j7#j74 76:90
480-60204-77	E-2 3-7 9-6	koQ	09j7#j74 70:42	09j7#j74 76:90
480-60204-72	E-2 A-7 0-7	koQ	09j7#j74 70:90	09j7#j74 76:90
480-60204-7B	E-2 A-7 9-6	koQ	09j7#j74 70:96	09j7#j74 76:90

CHAIN OF CUSTODY RECORD

PROJECT NO. 11176989-00006 SITE NAME Tonawanda Forge

SAMPLERS (PRINT/SIGNATURE) Tim Ithkuish from [Signature] Kevin McGovern

DELIVERY SERVICE: Drop off AIRBILL NO.: _____

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. # OF CONTAINERS
P-3 C-1	5/19/14	844	C	P-3 C-1 0-1	SO	2
P-3 C-1	5/19/14	859	C	P-3 C-1 5-6	SO	2
P-3 C-1	5/19/14	912	C	P-3 C-1 11-12	SO	2
P-3 B-1	5/19/14	923	C	P-3 B-1 0-1	SO	2
P-3 B-1	5/19/14	935	C	P-3 B-1 5-6	SO	2
P-3 B-1	5/19/14	1000	C	P-3 B-1 11-12	SO	2
P-3 A-1	5/19/14	1010	C	P-3 A-1 0-1	SO	2
P-3 A-1	5/19/14	1013	C	P-3 A-1 5-6	SO	2
P-3 A-1	5/19/14	1020	C	P-3 A-1 11-12	SO	2
P-2 B-1	5/19/14	1038	C	P-2 B-1 0-1	CD	2
P-2 B-1	5/19/14	1042	C	P-2 B-1 5-6	CD	2
P-2 DA	5/19/14	1050	C	P-2 A-1 0-1	CD	2
P-2 A-1	5/19/14	1056	C	P-2 A-1 5-6	CD	2

MATRIX CODES	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE CD - CONTINUING DEPTH
SAMPLE TYPE CODES	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)		

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
<u>[Signature]</u>	5/19/14	1650	<u>[Signature]</u>	5/19/14	1650
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

Distribution: Original accompanies shipment, copy to coordinator field files 2022-7/18.8°C

TCLP Metals
TCLP Semis, TCLP PCBs, TCLP PCBs

TESTS

BOTTLE TYPE AND PRESERVATIVE

REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (RPMs ONLY)
		0	1	
		5	6	
		11	12	
		0	1	
		5	6	
		11	12	
		0	1	
		5	6	
		11	12	
		0	1	
		5	6	
		11	12	
		0	1	
		5	6	
		11	12	

SPECIAL INSTRUCTIONS

For questions contact
George Kislik @
716-856-5636

#1 NO ICE

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-60204-1

Login Number: 60204

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stau, Brandon M

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.	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.	True	
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	urs
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

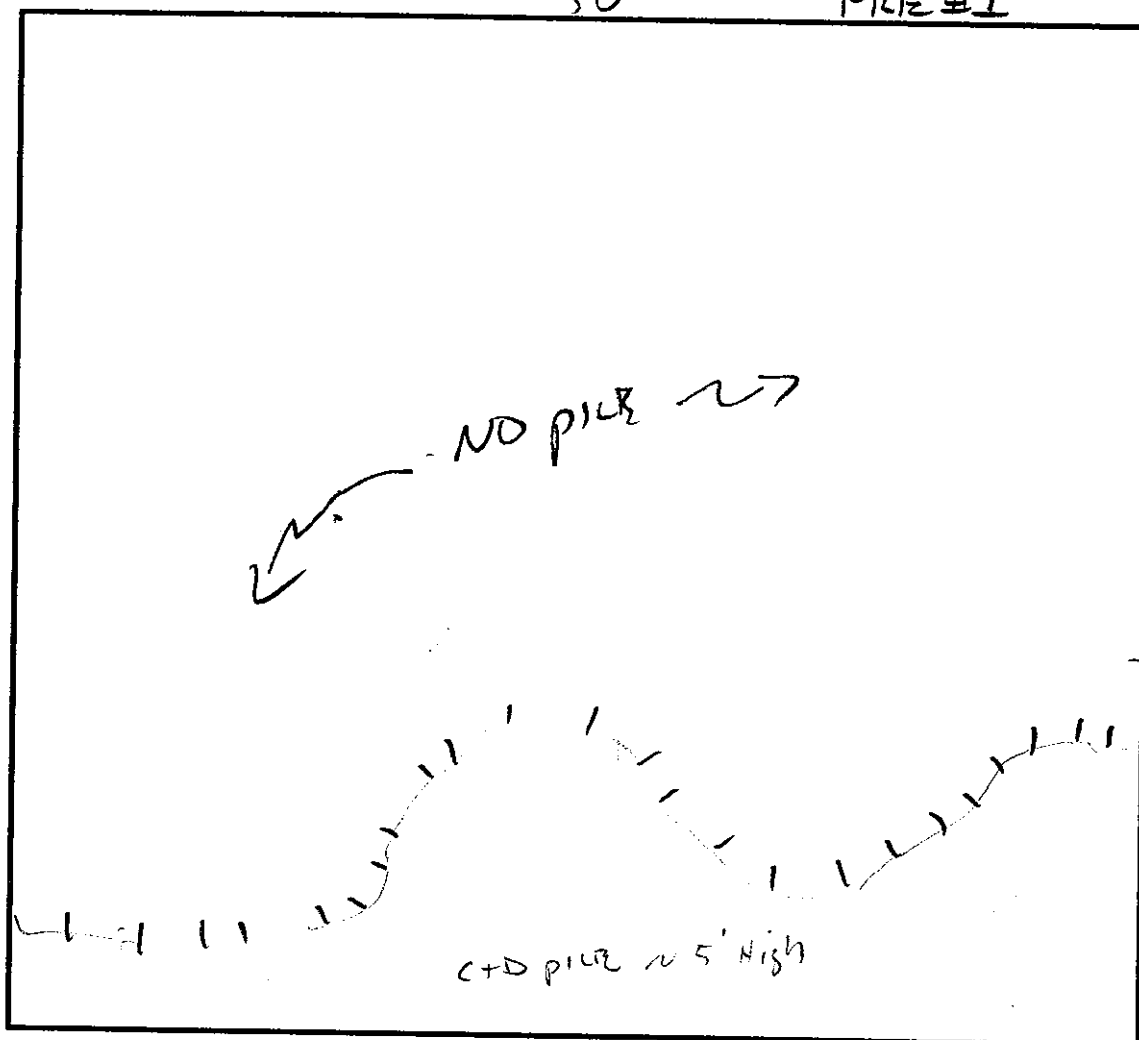
APPENDIX C

FIELD NOTES

FIELD SURVEY GRID
TONAWANDA FORGE SITE

50'

Pile #1



Grid Location:

A1

Grid Size:

50' x 50'

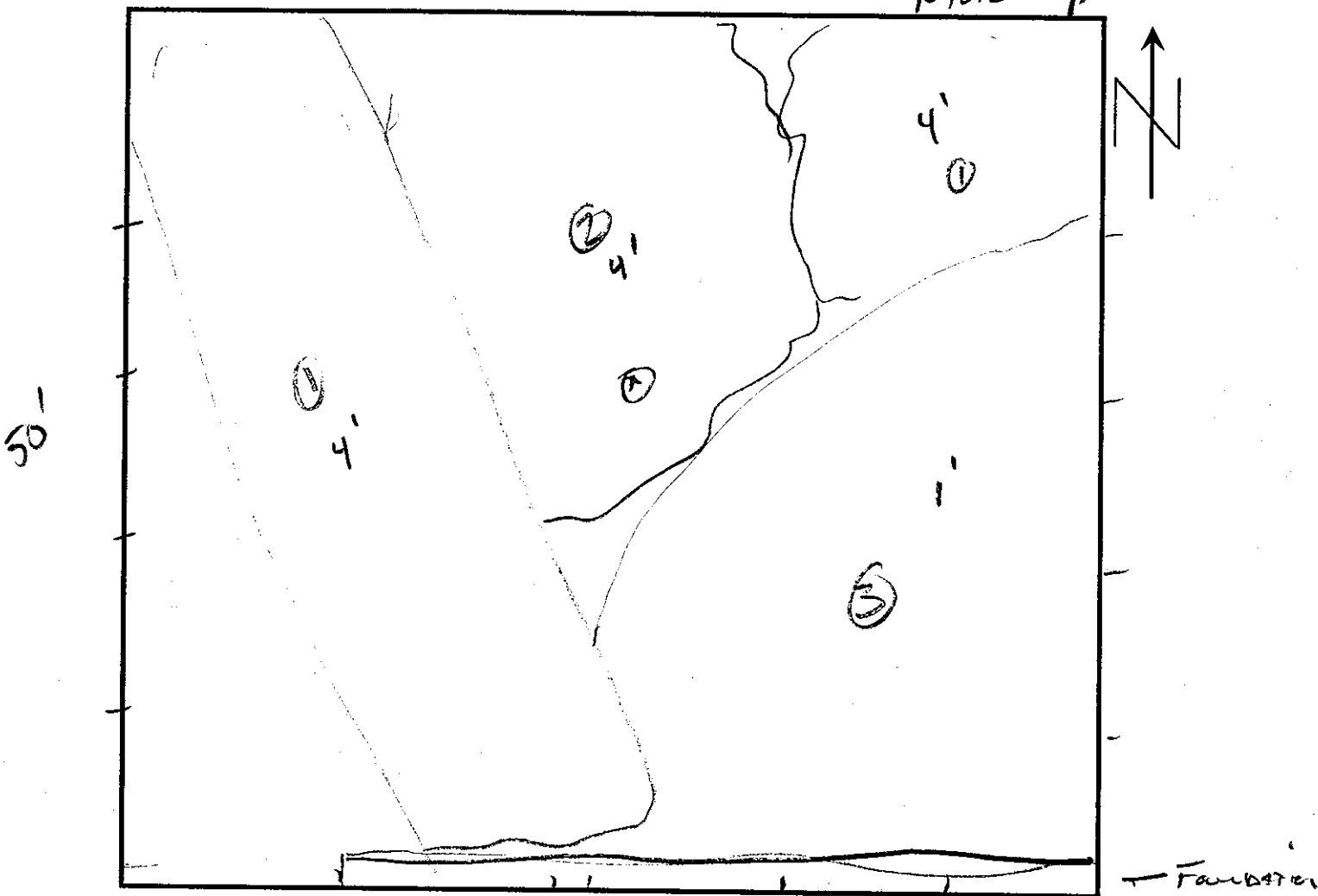
Samplers:

Sample ID	Date	Time	Description
P1-A1 0-1	5-19-14	1159	concrete. (covered in Field)
P1-A1 4-5	5-19-14	1200	Ben, Moist, C+D, silt, sand, Bonegravel & core frag.

Observation: concrete GLABS with tile, mostly >1' in size, ~ 6-8" Thick
Trace Fines; wood, soil, rebar.

FIELD SURVEY GRID
TONAWANDA FORGE SITE

Pillar # 1



Grid Location: A-Z

Grid Size: 50'

Samplers: TI, KJM, CM.

Sample ID	Date	Time	Description
P1 AZ 0-1	5-19-14	1330	concrete (crushed) in FILL
P1 AZ 4-5	5-19-14	1325	B ₂ , mat, sub F ₁ sand, some gravel, cobbles, B ₂ (CRD)

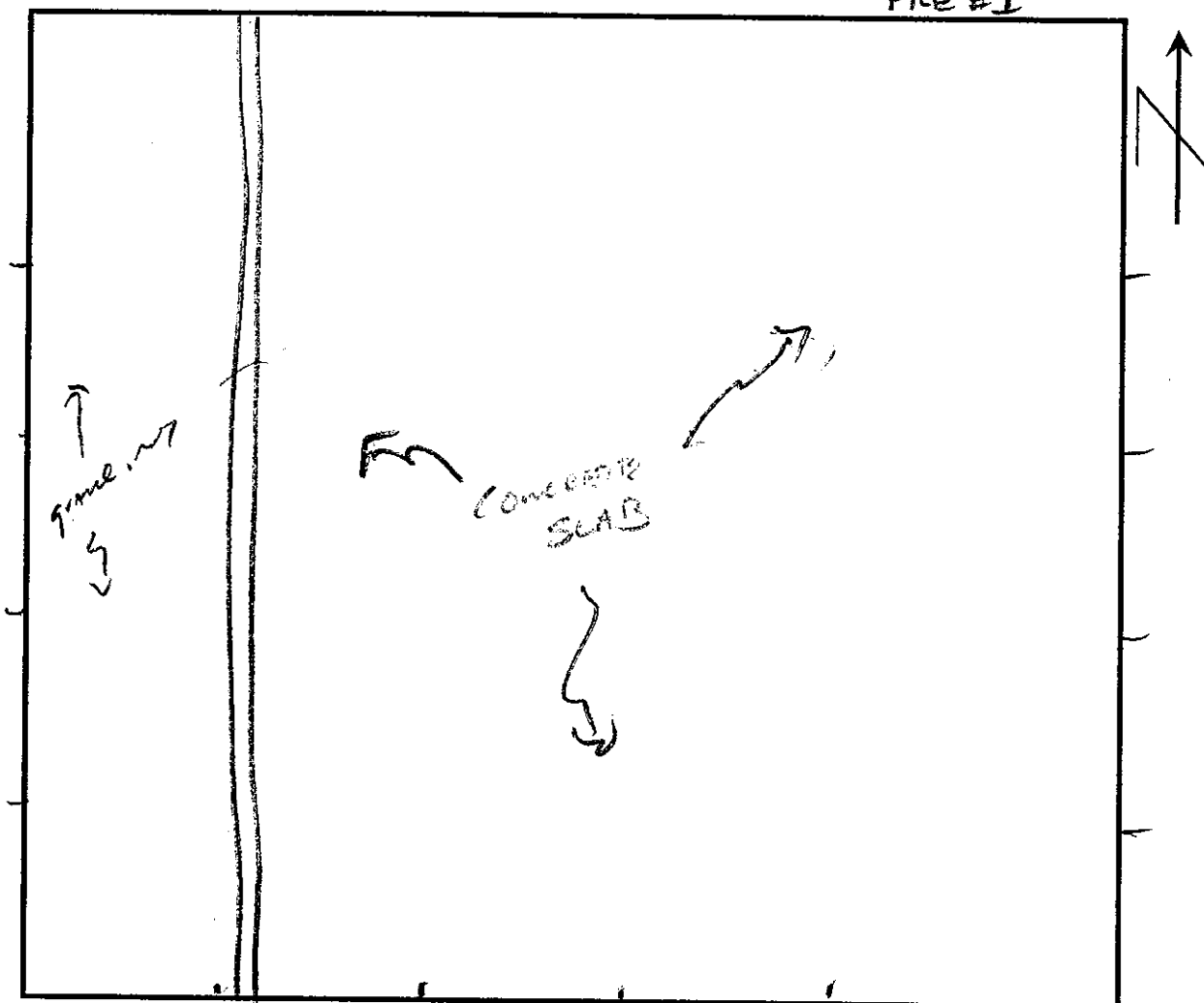
① concrete slabs 3-5' x 8" thick, some fines

② c₂₀ concrete, B₂, some rubble, some (concrete, gravel, c-c-sav) mixed

③ Crushed concrete (up to 1' x 1') & fines (c-c-sav) than rubble, B₂, rubble, some

FIELD SURVEY GRID
TONAWANDA FORGE SITE

Pile #1



Grid Location: A-3

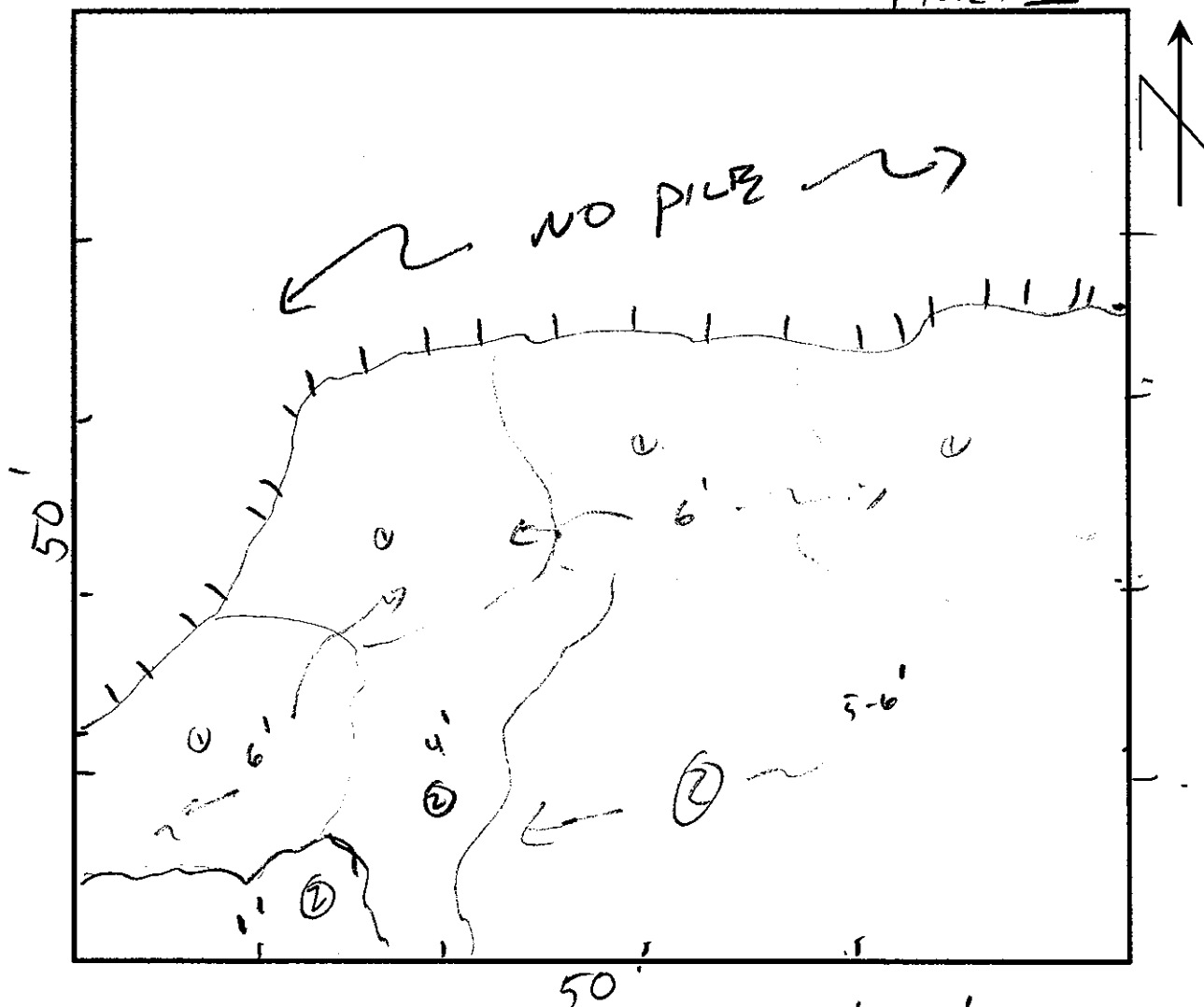
Grid Size: 50' x 50'

Samplers: TT, KSM, SM

Sample ID	Date	Time	Description

FIELD SURVEY GRID
TONAWANDA FORGE SITE

PILR #1



Grid Location: B1

Grid Size: 50' x 50'

Samplers: TI, SM

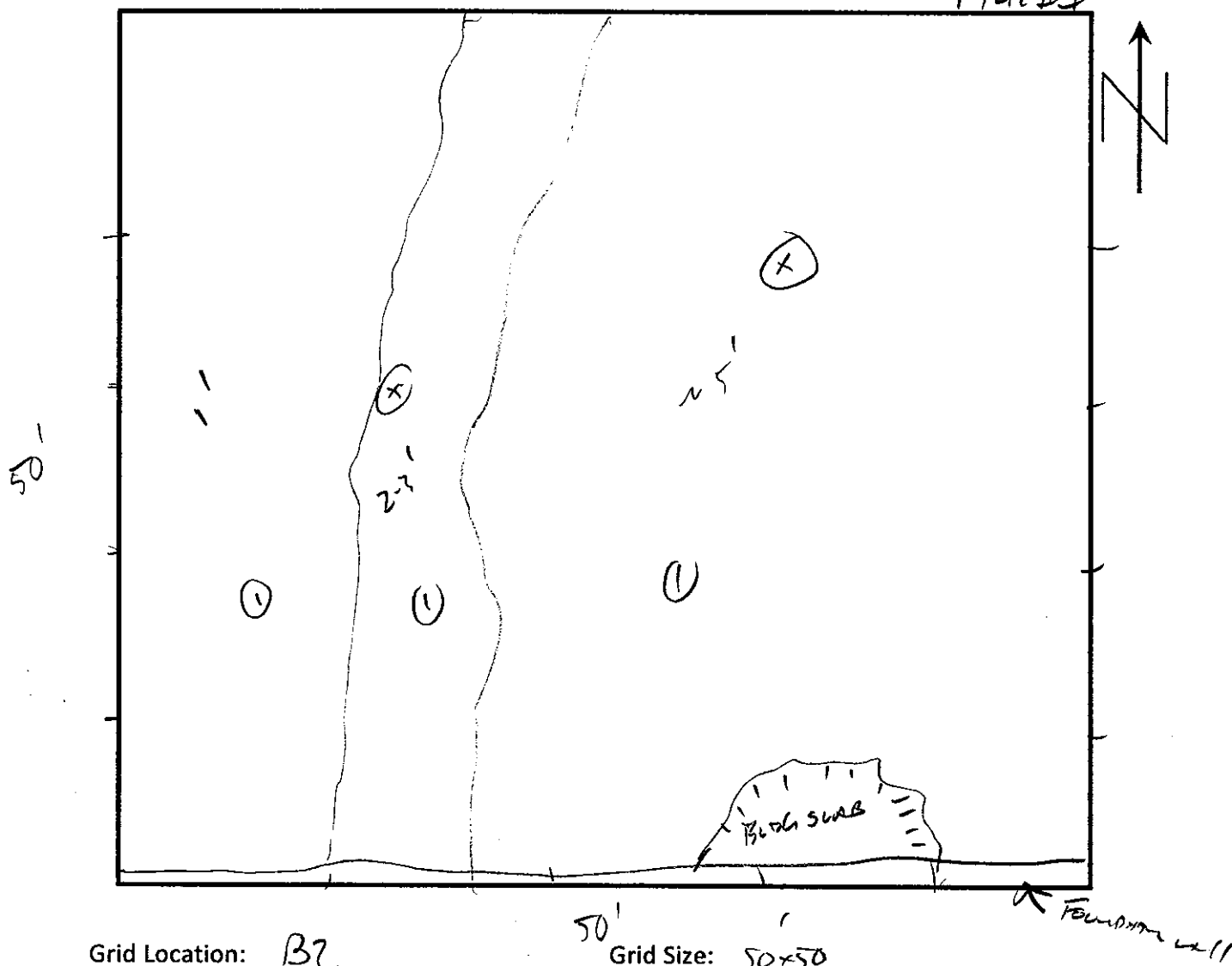
Sample ID	Date	Time	Description
P1-B1-0-1	5-19-14	1150	Brown-grey, coarse grained & fine sand, some gravel,
P1-B1-4-5	5-19-14	1150	Brown, med. silt sand, some gravel & coarse frags.

① CSN - concrete in rebar, some bricks, trace fibers (glass, metal, wood).

② CSN - coarse with some, some coarsest cuts (gravel to sand size) trace wire wood, brick, metal.

FIELD SURVEY GRID
TONAWANDA FORGE SITE

Pile #1



Grid Location: BZ

Grid Size: 50x50

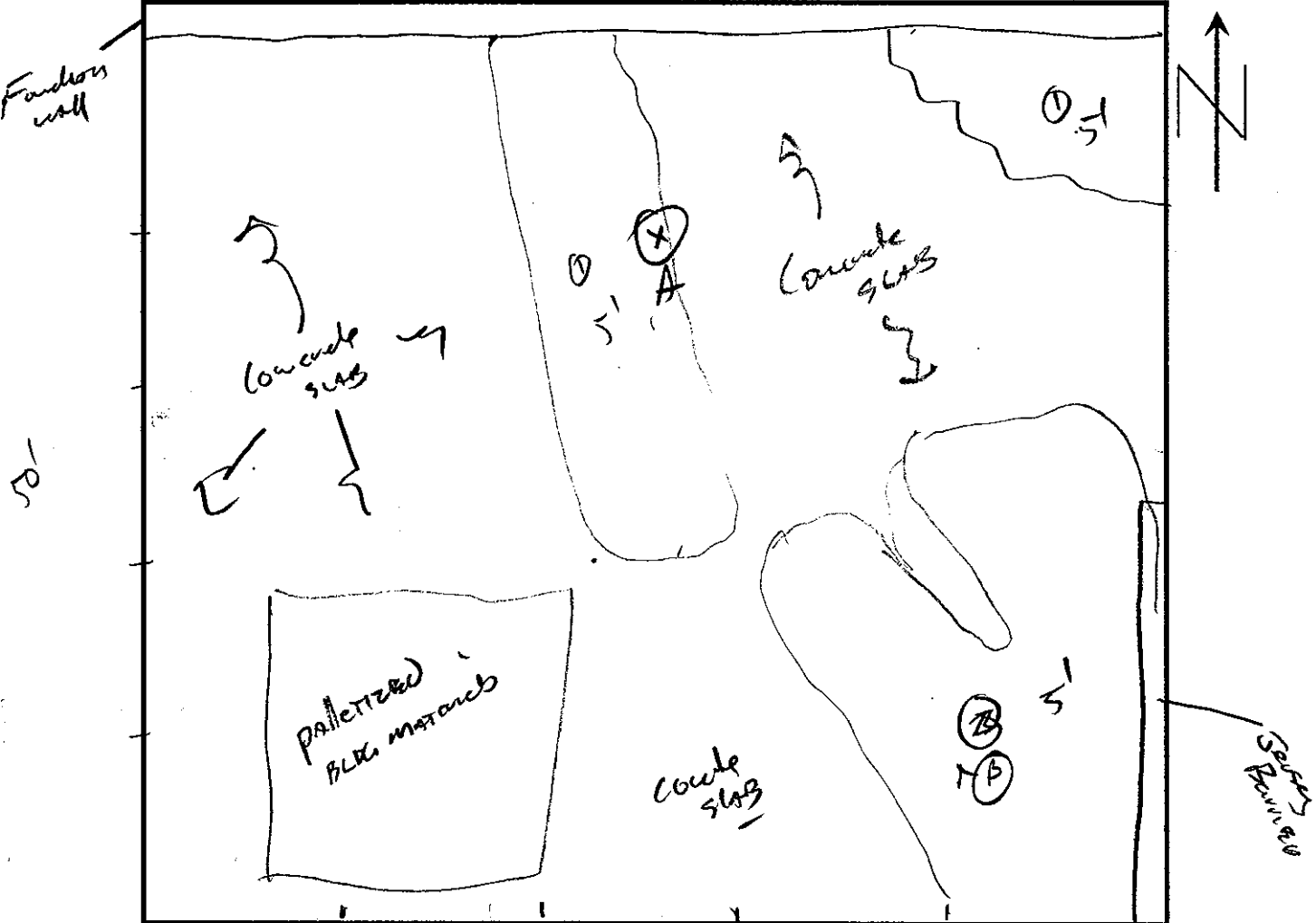
Samplers: TE, SM, KSM

Sample ID	Date	Time	Description
PI BZ 0-1	5-19-14	1350	Burn to gray. Fine to med sand size with frag, CSD, near Asphalt base, rock material
PI BZ 4-5	5-19-14	1340	" "

① CSD DEBRIS. crushed concrete up to 3' Ø fairly smooth as 1' or less & chunks
fins. (fine to med size) trace Rebar, metal, wire, brick, wood, root matter
Asphalt.

FIELD SURVEY GRID
TONAWANDA FORGE SITE

Pile #1



Grid Location: B3

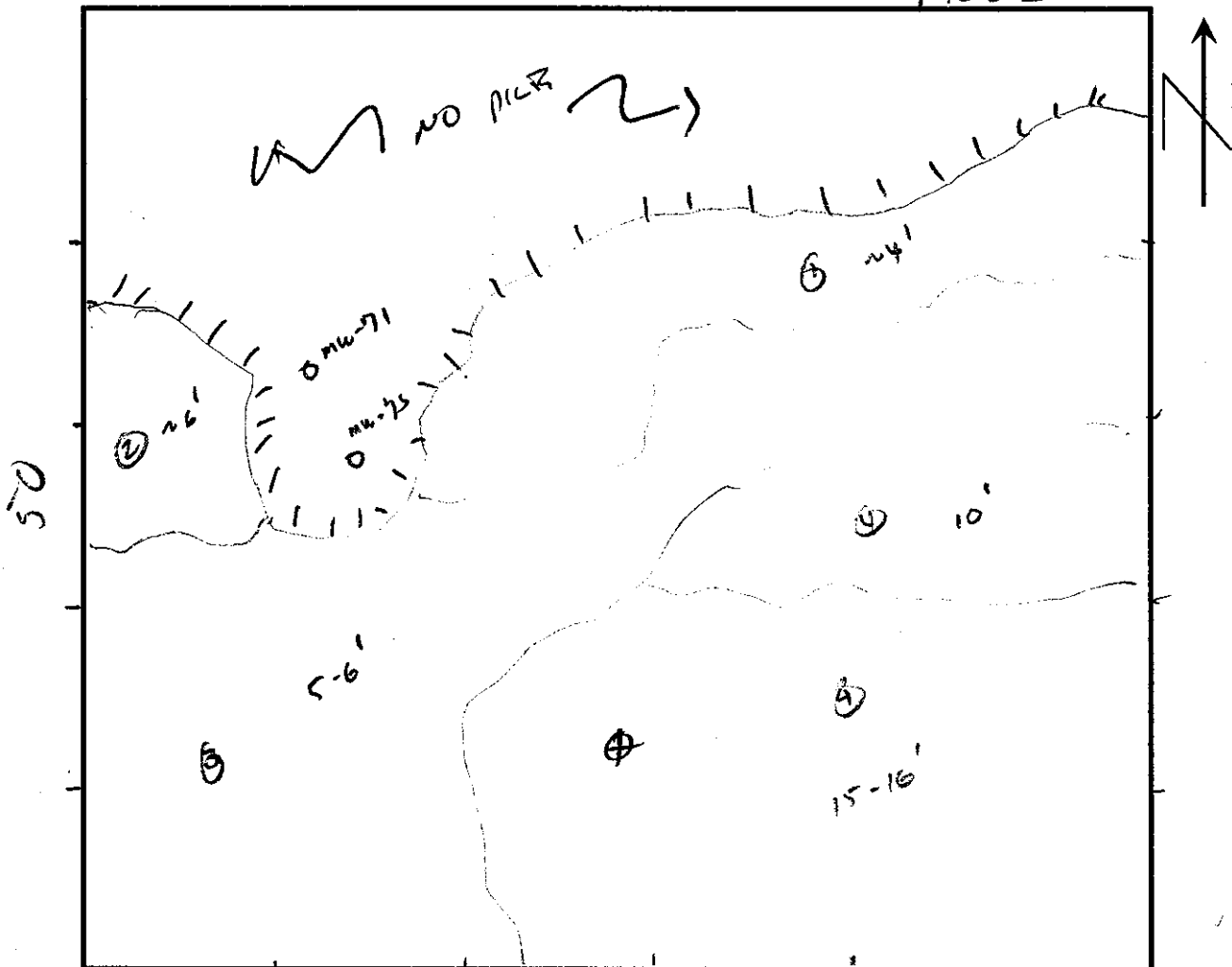
Grid Size: 50' x 50'

Samplers: TI, SM, KSM

Sample ID	Date	Time	Description
P1 B3 0-1A	5-19-14	1405	DL br. mat., full soil, one circle patch, TR blue
P1 B3 4-5A	5-19-14	1406	DL br., most soil, one circle patch, one circle patch, one circle patch
P1 B3 6-1B	5-19-14	1410	br, m, sh, and 600 ft / 100 ft, TR blue, concrete, wood, and
P1 B3 4-5B	5-19-14	1415	" "

FIELD SURVEY GRID
TONAWANDA FORGE SITE

PILZ #1



Grid Location: C1

50

Grid Size: 50' x 50'

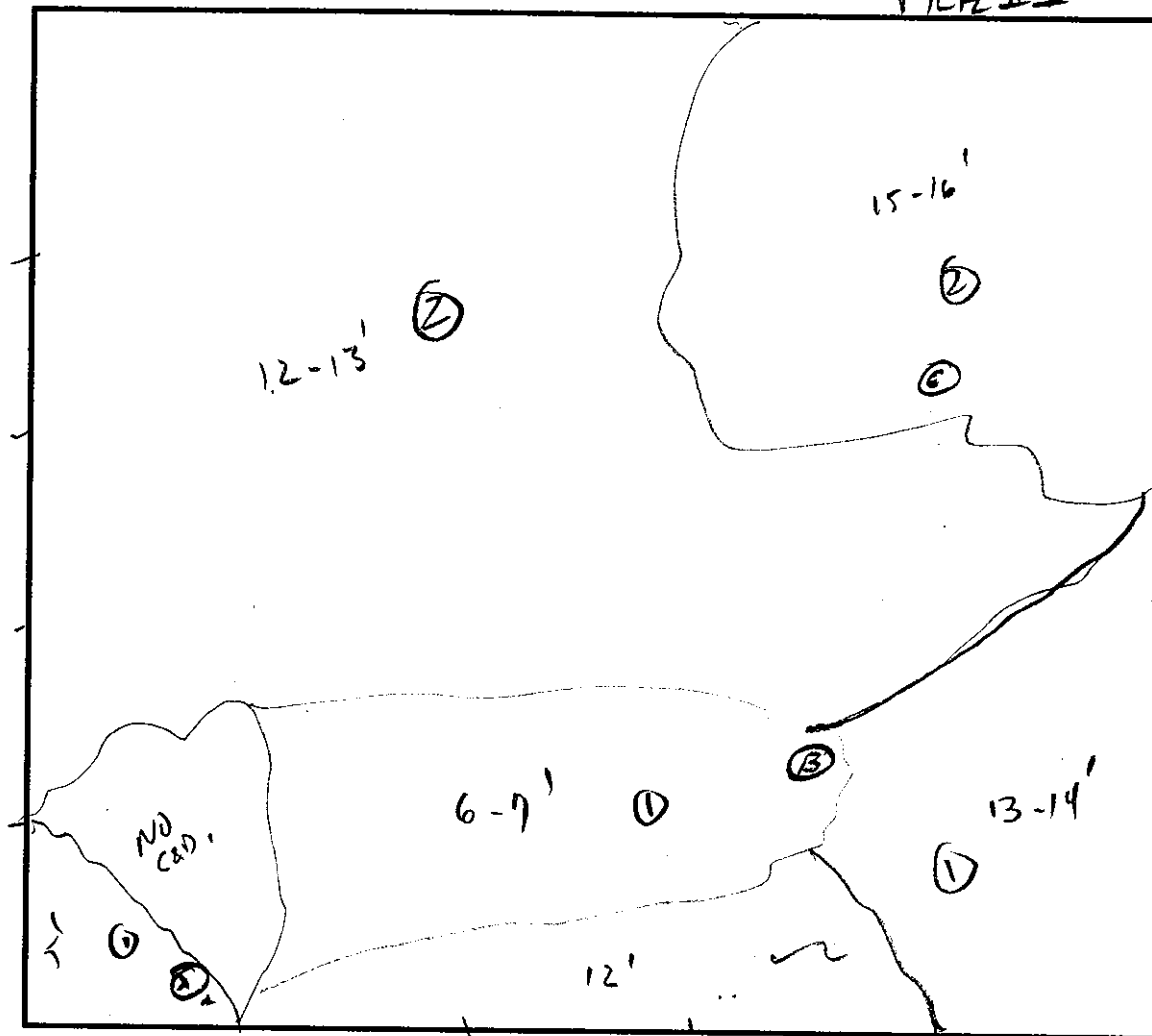
Samplers:

Sample ID	Date	Time	Description
PI-C1-0-1	5/19/17	1145	concrete (field crushed)
PI-C1-5-6		1135	Brown, moist (F) silt/sand, some gravel + c & O
PI-C1-14-15		1140	"

- ① concrete > 3' ② concrete & rebar, some brick. Tuffe fill (grit - sand) used, packed
③ concrete & rebar, some brick, some fine crushed concrete (grit - sand size) TV brick, metal, wire
④ concrete & rebar 4-5' thick, 2" into 3' clean (no fill).

FIELD SURVEY GRID
TONAWANDA FORGE SITE

PICZ #1



Grid Location: CZ

Grid Size: 50' x 50'

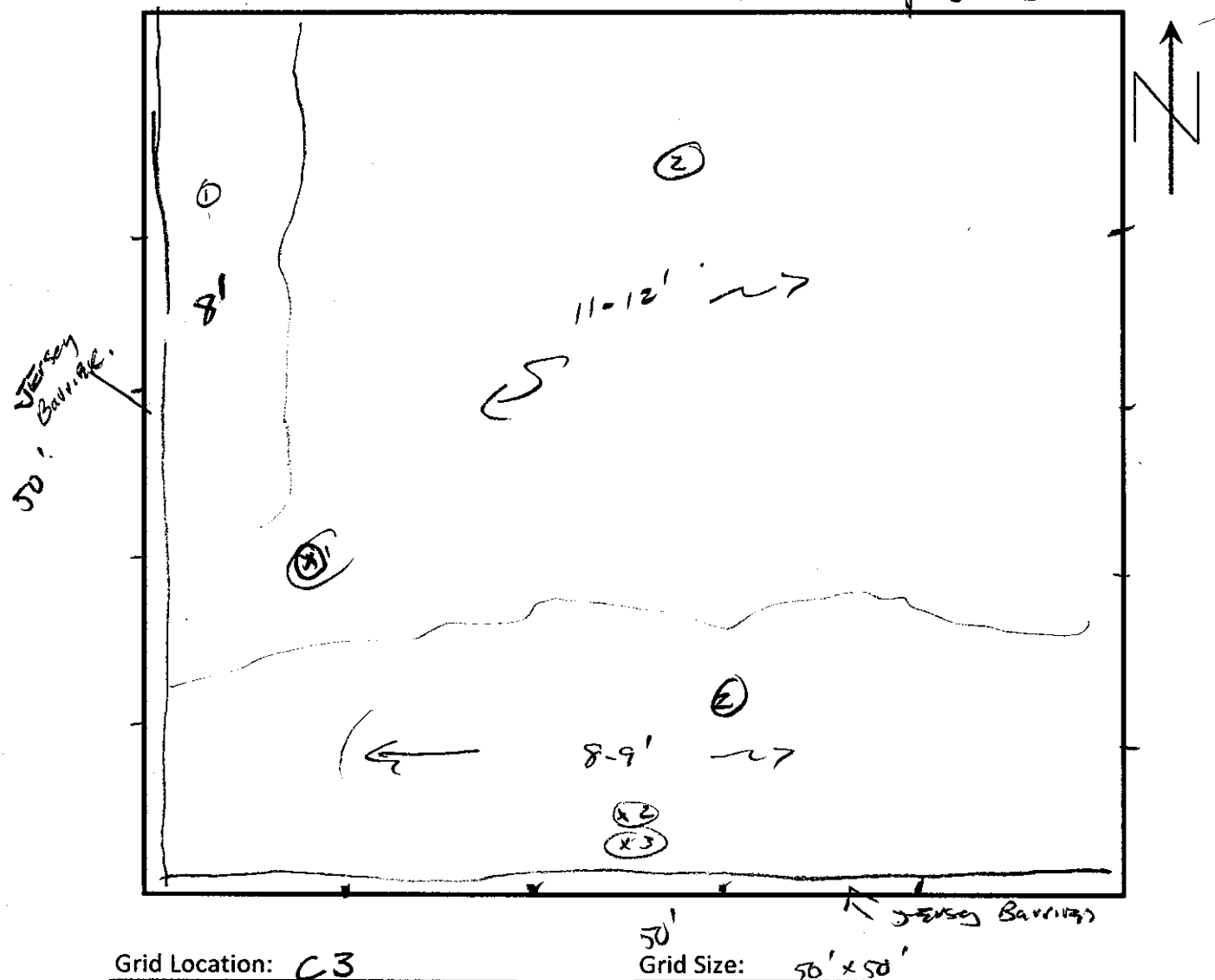
Samplers: TI, SM, KSM

Sample ID	Date	Time	Description
④ PICZ 0-1	5-19-14	1425	concrete (crushed) on site
① PICZ 7-8	5-19-14	1422	ced. Burn, with 4" x 4" mesh, even wide fragments
⑥ PICZ 14-15	5-19-14	1420	ced. Burn, moist, sub F soil, even wide fragments.

- ① ced debris. concrete crushed, some rebar, timb, Birch, rose, maple, wire, wood block
② ced - concrete with mesh & rebar 2-4" thick, clean, NO FINE.

FIELD SURVEY GRID
TONAWANDA FORGE SITE

P 162 #1



Samplers: TF, SM, KSM

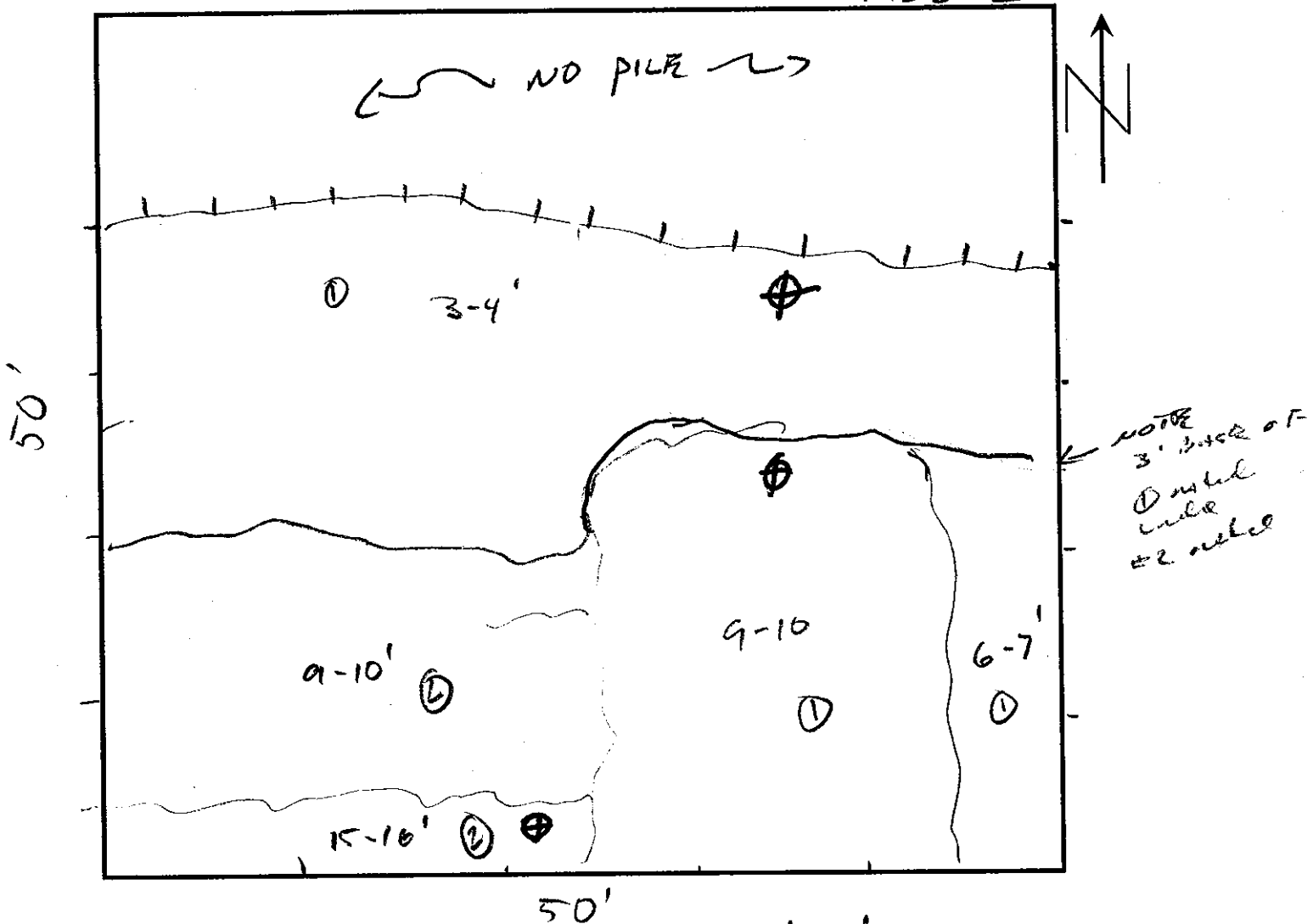
Sample ID	Date	Time	Description
P1 C3 0-1	5-19-14	1505	Brn, med, sub, red, sec concrete fragments. Thin Brn, med
P1 C3 5-6	5-19-14	1457	Brn, med, sub, red, sec concrete fragments. Thin Brn, med
P1 C3 11-12	5-19-14	1503	Brn, med, sub, red, sec concrete fragments.

① core & sub/ next 2-4" thick (18" core) (clean, no iron)

② core, crushed, up to 2" φ some fines (gravel to rock, sand fine) Thru, Brn, med, wire, sec material

FIELD SURVEY GRID
TONAWANDA FORGE SITE

PILE #1



Grid Location: D1

Grid Size: 50' x 50'

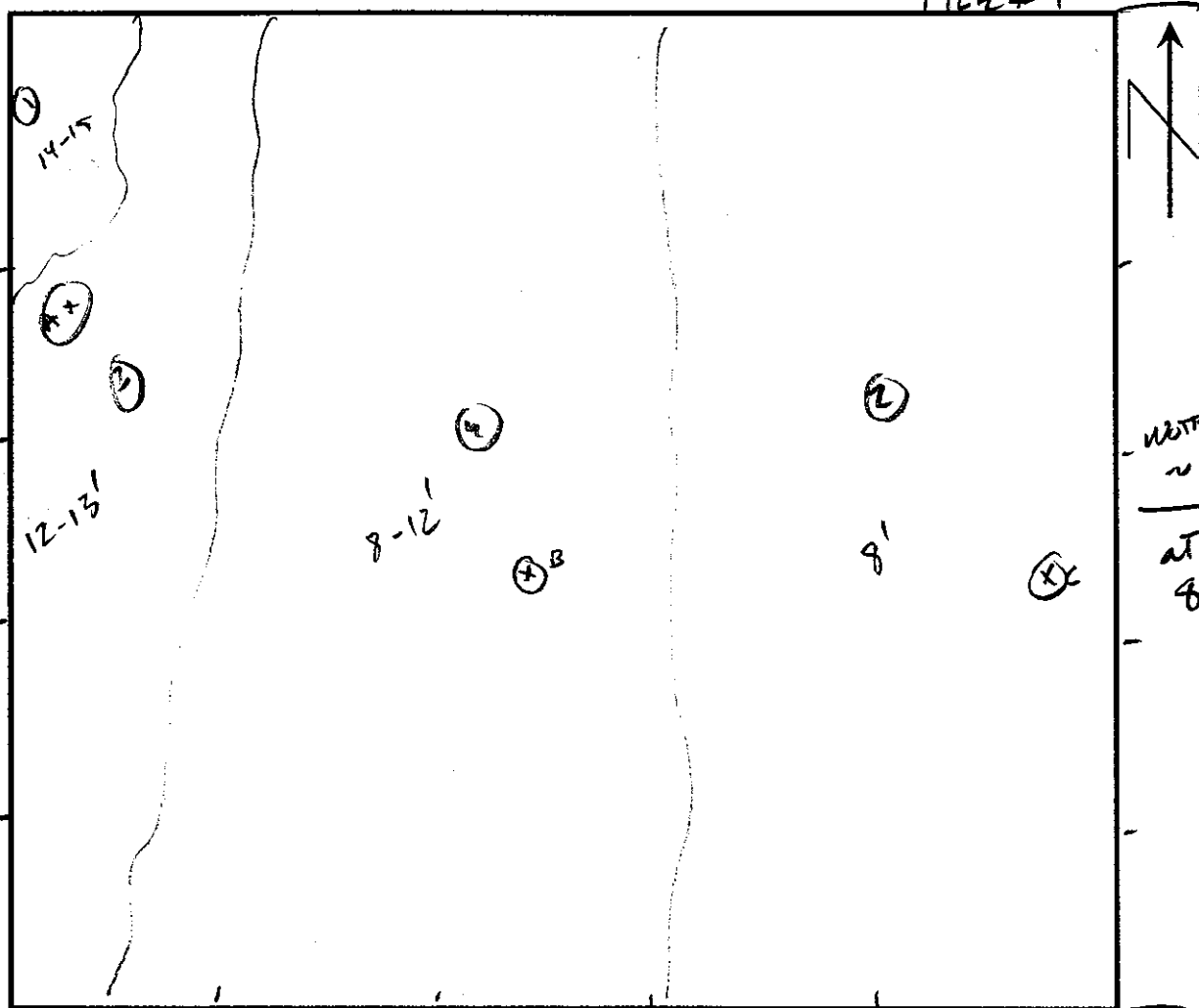
Samplers:

Sample ID	Date	Time	Description
PI-D1/0-1	5/19/14	11:15	concrete. (FIELD CRUSHED).
PI-D1/7-8	5/19/14	11:20	CEC debris. B.C. most, FINEST SILET TO SILT SIZE, sue grain size cube fragments
PI-D1/14-15	5/19/14	11:26	" ↓ "

- ① CEC. crush cube up to 1' ϕ sue fines (sue - grain size cube) Trow brush, white wood block
- ② cube & rebar. Trow Fines (clean).

FIELD SURVEY GRID
TONAWANDA FORGE SITE

Pile #1



Grid Location: D7

50'

Grid Size: 50' x 50'

Samplers: TZ, KSM, SM

Sample ID	Date	Time	Description
① P1-DZ-0-1	5-19-14	1430	Bar, mat, 9' x 9' area, 1/2" concrete fragments, covered.
② P1-DZ-7-8	5-19-14	1435	Bar, mat, 9' x 9' area, 1/2" concrete fragments, 1/2" concrete fragments.
③ P1-DZ-14-15	5-19-14	1432	Bar, mat, 9' x 9' area, 1/2" concrete fragments, 1/2" concrete fragments.

① con. concrete 2-4" thick with mesh & rebar (green, red, blue)

② con. concrete up to 2' & some fine (fine to fine sand size calc), in blue, rebar mesh, wood block, rock material

Pile 21



Grid Size: 50' x 50'

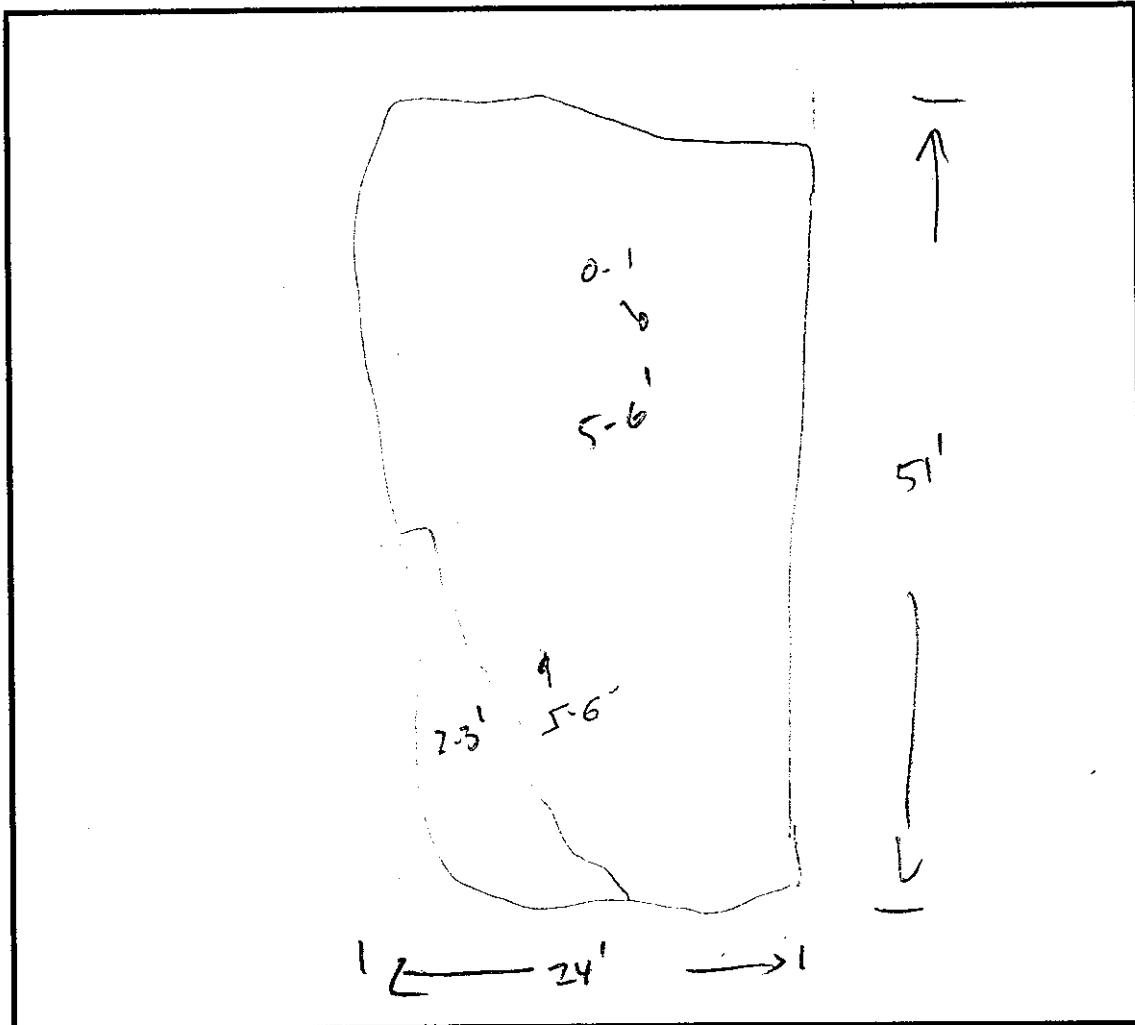
Samplers: TI, KSM, SM

	Sample ID	Date	Time	Description
A	p1 D3 0-1	5-19-14	1509	Brn, moist, sticky sand, some calc frags, trace chert, .nub
B	p1 D3 7-8	5-19-14	1455	" "
C	p1 D3 ¹⁴⁻¹⁵ 7-8	5-19-14	1455	" "

① - crushed concrete up to 2' ϕ , sure fines (gravel, not fine sand size) TILAGE none
bricks, rocks, wire, wavy black, roof material

FIELD SURVEY GRID
TONAWANDA FORGE SITE

PICTURE # 2



Grid Location: ^{P2} A1

Grid Size: 24' x 51' x 6'

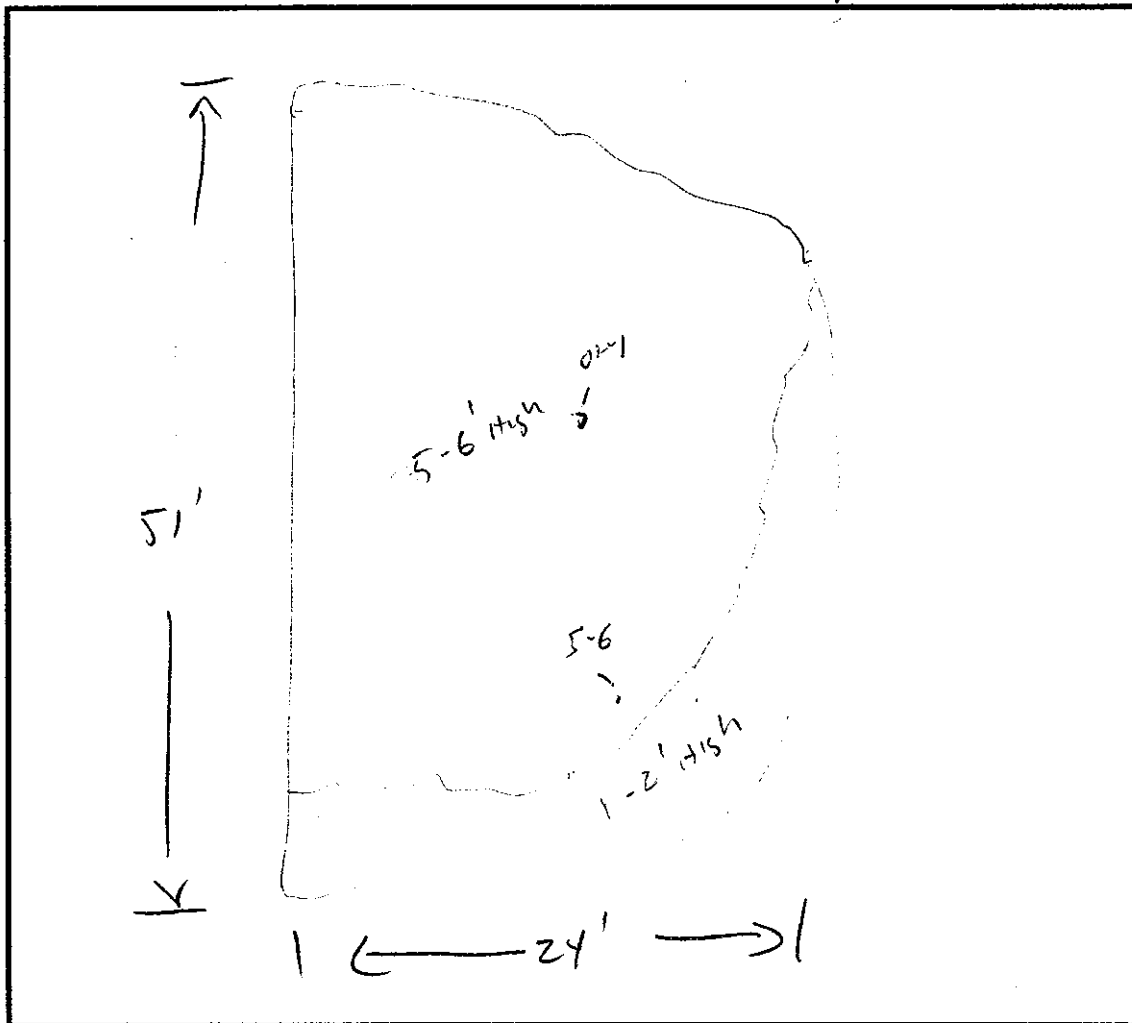
Samplers:

Sample ID	Date	Time	Description
P2 A1-0-1	5/12/14	10:50	DEBRIS (C&D, CONCRETE, METAL, ROOFING MATERIAL)
P2 A1- ⁵⁻⁶ 4-5	L	10:56	

C&D DEBRIS, concrete MIXED WITH FIBERS/guard. some FOAM, Roofing material, metal
TRAC Brick, wire, wood, hoses.

FIELD SURVEY GRID
TONAWANDA FORGE SITE

PIC #2.



Grid Location: B1

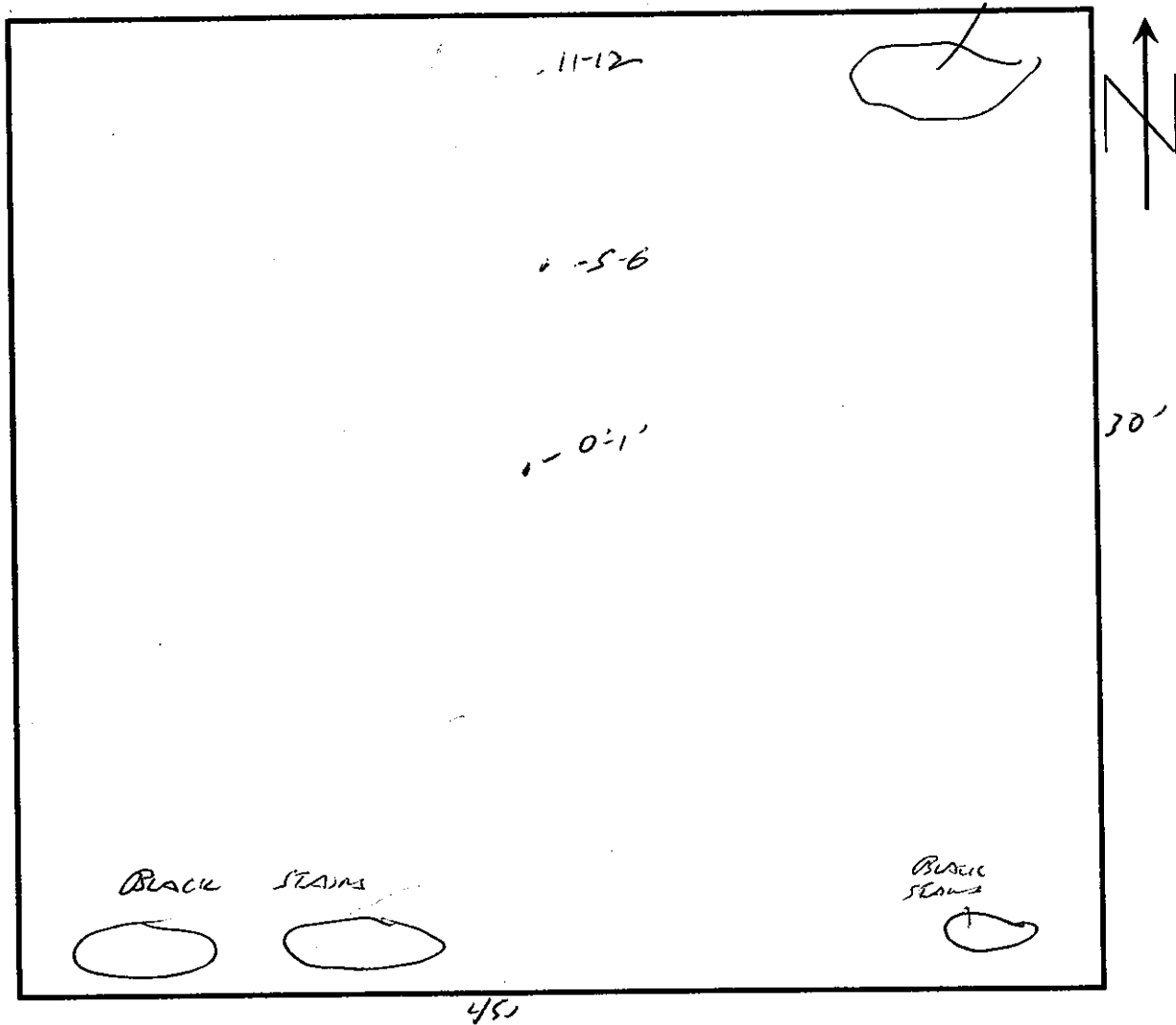
Grid Size: 24' x 56' x 6'

Samplers: Kevin McGowan / Tim IFRONICU

Sample ID	Date	Time	Description
p2 B10-1	5/12/4	10:35	POBINS (C&D, MORTAR MATERIAL, SAND, SILT GRAVEL)
p2 B12-4 5-6	✓	10:42	✓
P213-M	✓	10:25	BRICK BUILT UP MORTAR

LED BRICK concrete mixed with FIBER, gravel, foam, roofing material, metal. Thin brick, either, now

FIELD SURVEY GRID
TONAWANDA FORGE SITE



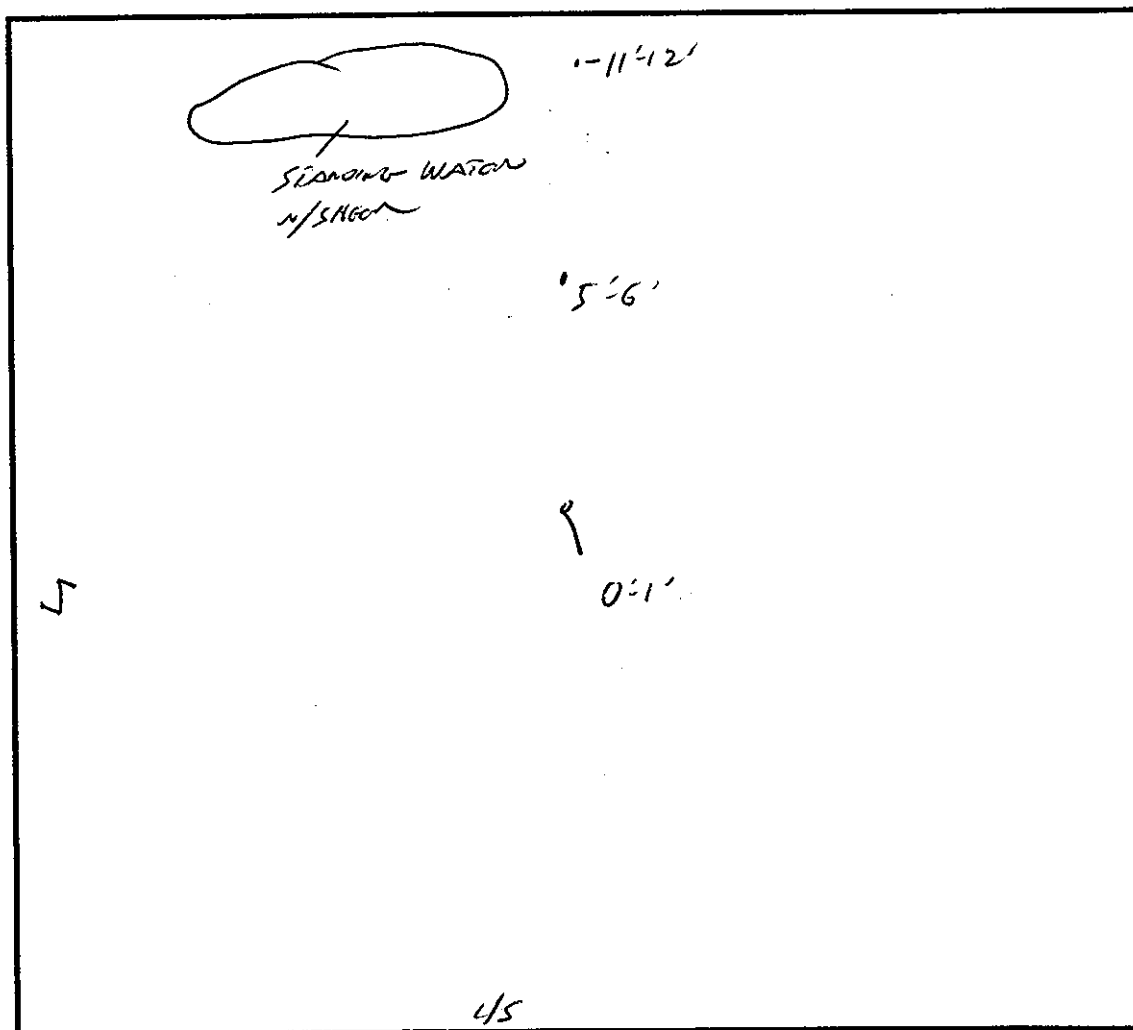
Grid Location: P31A

Grid Size: 30'x45'x.72'

Samplers: Kevin McGowan / Tim IFRANCIA

Sample ID	Date	Time	Description
P31A-11	5/15/14	10:10	BLACK BUNT UP ROAD
P31A-1-1		10:10	DOGS (HOPKIN MATHEWS, SAND, SILT GRASS)
P31A-1-5-6		10:13	6 6
P31A-1 11-12		10:20	

FIELD SURVEY GRID
TONAWANDA FORGE SITE



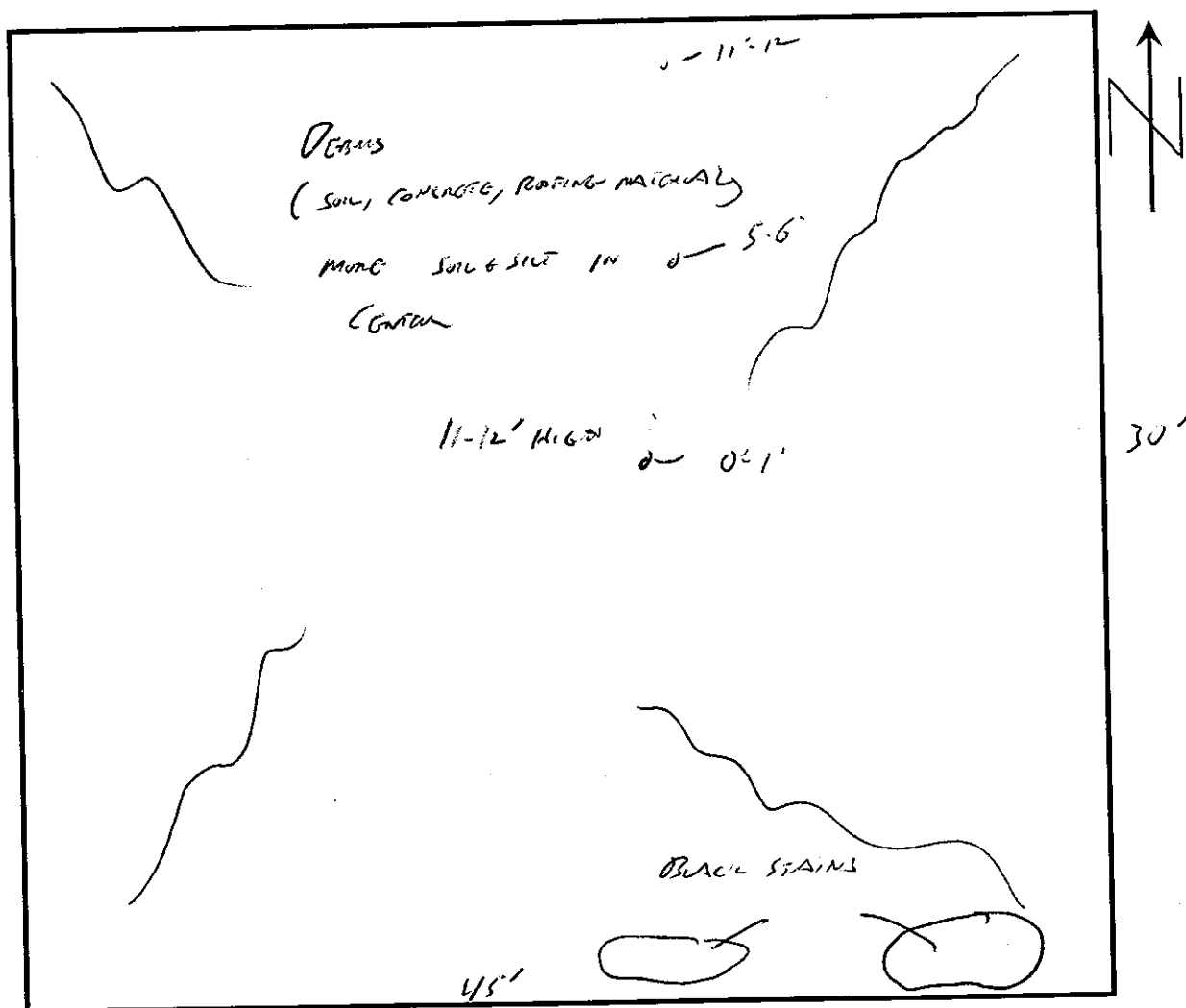
Grid Location: P31B

Grid Size: 30'x45'x12'

Samplers: Karl McGovern / Tim Lefrançois

Sample ID	Date	Time	Description
P31B-121	5/19/14	09:20	Black Built up material
P31B-101 103		09:23	Debris (padding material, foam, concrete) Gravel Soil Sand
P31B-156		09:35	W (Soil, silt,)
P31B-111-12		10:00 09:40	W (padding material w/soil sand) Gravel

FIELD SURVEY GRID
TONAWANDA FORGE SITE



Grid Location: P3 1C

Grid Size: 30' x 12' x 45'

Samplers: KEVIN J. MCGOWN, TIM IFILKOVIC

Sample ID	Date	Time	Description
P3C P31C-R1	5/13/14	08:46	BRICK BUILT UP MOUND
P3C1 0-1	↓	08:44	DEBRIS (SOIL, CONCRETE, REBAR MATCHES)
P3C1 5-6	↓	08:59	CONCRETE (SOIL, SILT, GRAVEL) REBAR MATCHES
P3C1 11-12	↓	09:12	↓ (SOIL, SILT, GRAVEL)

APPENDIX D

ASBESTOS ANALYTICAL REPORT

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-60734-1

Client Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

For:

New York State D.E.C.

625 Broadway

11th Floor

Albany, New York 12233-3256

Attn: Mr. Dave Chiusano



Authorized for release by:

6/10/2014 1:04:22 PM

Brian Fischer, Manager of Project Management

(716)504-9835

brian.fischer@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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.



Brian Fischer
Manager of Project Management
6/10/2014 1:04:22 PM

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Definitions/Glossary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60734-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

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)

Case Narrative

Client: New York State D.E.C.
Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

TestAmerica Job ID: 480-60734-1

Job ID: 480-60734-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-60734-1

Comments

This reports includes results as an attachment as provided by AMA/EML Labs.

Receipt

The samples were received on 5/19/2014 4:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 19.5° C.

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

Certification Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60734-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

Method Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60734-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Method	Method Description	Protocol	Laboratory
Local Method	General Sub Contract Method	NONE	SC0144

Protocol References:

NONE = NONE

Laboratory References:

SC0144 = P&K Microbiology, 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053, TEL (856)334-1001

Sample Summary

Client: New York State D.E.C.

TestAmerica Job ID: 480-60734-1

Project/Site: NYSDEC-Tonawanda Forge:Site# 915274

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-60734-1	P31C-R1	Solid	05/19/14 00:00	05/19/14 16:20
480-60734-2	P31B-R1	Solid	05/19/14 00:00	05/19/14 16:20
480-60734-3	P31A-R1	Solid	05/19/14 00:00	05/19/14 16:20
480-60734-4	P21B-R1	Solid	05/19/14 00:00	05/19/14 16:20
480-60734-5	P1R1-R1	Solid	05/19/14 00:00	05/19/14 16:20
480-60734-6	P12A-R2	Solid	05/19/14 00:00	05/19/14 16:20
480-60734-7	P1R2-R2	Solid	05/19/14 00:00	05/19/14 16:20
480-60734-8	P1R3-R1	Solid	05/19/14 00:00	05/19/14 16:20
480-60734-9	P1R3-R2	Solid	05/19/14 00:00	05/19/14 16:20



CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client: EMLab P&K
Address: 3000 Lincoln Drive East, Suite A
Marlton, New Jersey 08053
Attention: Kim Thomas

Job Name: NYSDEC Site #915274
Job Location: Not Provided
Job Number: Not Provided
P.O. Number: Not Provided

Chain of Custody: 519184
Date Analyzed: 5/28/2014
Person Submitting: Kim Thomas

Page 1 of 2

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
14065597	P31C-R1	Residue	TR	NAD	TR	Chrysotile	78.5%	5.3%	16.2%	Roof	Black	
14065598	P31B-R1	Residue	NAD	NAD	NAD		81.8%	7.3%	10.9%	Roof	Black	
14065599	P31A-R1	Residue	TR	NAD	TR	Chrysotile	84.7%	5.6%	9.7%	Roof	Black	
14065600	P21B-R1	Residue	TR	NAD	TR	Chrysotile	73.9%	3.9%	22.2%	Roof	Black	
14065601	P1R1-R1	Residue	TR	NAD	TR	Chrysotile	68.8%	5.8%	25.4%	Roof	Black	
14065602	P12A-R2	Residue	TR	TR	TR	Chrysotile	96.7%	2.6%	0.7%	Coating	Black	
14065603	P1R2-R1	Residue	TR	NAD	TR	Chrysotile	90.3%	2.2%	7.5%	Roof	Black	
14065604	P1R3-R7	Residue	NAD	NAD	NAD		53.3%	2.1%	44.6%	Roof	Black	
14065605	P1R3-R2	Residue	TR	NAD	TR	Chrysotile	88.3%	9.5%	2.2%	Coating	Black	

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identified or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

NY ELAP (#10920) Accredited Laboratory

4475 Forbes Blvd. • Lanham, MD, 20706 • (301) 459-2640 • Toll Free (800) 346-0961 • Fax (301) 459-2643



CERTIFICATE OF ANALYSIS

NY ELAP
10920

Client: EMLab P&K
Address: 3000 Lincoln Drive East, Suite A
Markon, New Jersey 08023
Job Name: NYDEC Site #915274
Job Location: Not Provided
Job Number: Not Provided
P.O. Number: Not Provided
Chain of Custody: 519184
Date Analyzed: 5/28/2014
Person Submitting: Kim Thomas
Attention: Kim Thomas

Page 2 of 2

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
-------------------	-----------------	---------------	---------------------	-----------------------	-----------------------	---------------------	------------	----------------	---------	---------------	--------------	----------

* 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
 Analysis(s): G. Campy S. Watson

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

NY ELAP (#10920) Accredited Laboratory

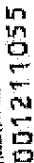
4475 Forbes Blvd. - Lanham, MD, 20706 - (301) 459-2640 - Toll Free (800) 346-0961 - Fax (301) 459-2643

CHAIN OF CUSTODY
Job Name: NYSDEC Site #915274
Job#: 1211055

EMLab P&K

Sample ID	Description	Sample Type	Sample Date
P31C-R1	Black Built Up Roofing	Bulk sample	05/13/2014
P31B-R1	Black Built Up Roofing	Bulk sample	05/13/2014
P31A-R1	Black Built Up Roofing	Bulk sample	05/13/2014
P21B-R1	Black Built Up Roofing	Bulk sample	05/13/2014
P1R1-R1	Black Built Up Roofing	Bulk sample	05/13/2014
P12A-R2	Black Coating on Concrete	Bulk sample	05/13/2014
P1R2-R1	Black Built Up Roofing	Bulk sample	05/13/2014
P1R3-R7	Black Built Up Roofing	Bulk sample	05/13/2014
P1R3-R2	Black Coating on Concrete	Bulk sample	05/13/2014

1. Relinquished by: <u>[Signature]</u>	Date: <u>5/21/14</u>	Received by: _____
2. Relinquished by: _____	Date: _____	Received by: _____
3. Relinquished by: _____	Date: _____	Received by: _____



ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

CHODURA - 4410

Project: Tonawanda Forge Site Supplemental Asbestos Survey

Building Location: 2390 Kenmore Ave., Tottawaanda NY 14150

Sampler: Kevin J. McGovern at (716) 923-1101, Fax (716) 855-2545

E-Mail Results to: kavir.nigrova@gmail.com

URS Corporation

257 West Campbell Street, Suite 400
Tampa, FL 33605

Mail Report to: Buffalo, NY 14292-2857

Page 7 of 7

Date: 12/14/14

PC / Project Number: NYSDEC Site #315274

Tumaround Request:

For Special Prices email:

U.S. Citizenship

CERTAIN

575 Broadway

Albany, NY 12233-4500

REPUTED **X**

[illegible]

Sampled data

Date: 5/2/94

白粉:

Required By:

Date: 5/13/94

Задача

Received By _____

Date:

12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989910010110210310410510610710810911011111211311411511611711811912012112212312412512612712812913013113213313413513613713813914014114214314414514614714814915015115215315415515615715815916016116216316416516616716816917017117217317417517617717817918018118218318418518618718818919019119219319419519619719819920020120220320420520620720820921021121221321421521621721821922022122222322422522622722822923023123223323423523623723823924024124224324424524624724824925025125225325425525625725825926026126226326426526626726826927027127227327427527627727827928028128228328428528628728828929029129229329429529629729829930030130230330430530630730830931031131231331431531631731831932032132232332432532632732832933033133233333433533633733833934034134234334434534634734834935035135235335435535635735835936036136236336436536636736836937037137237337437537637737837938038138238338438538638738838939039139239339439539639739839940040140240340440540640740840941041141241341441541641741841942042142242342442542642742842943043143243343443543643743843944044144244344444544644744844945045145245345445545645745845946046146246346446546646746846947047147247347447547647747847948048148248348448548648748848949049149249349449549649749849950050150250350450550650750850951051151251351451551651751851952052152252352452552652752852953053153253353453553653753853954054154254354454554654754854955055155255355455555655755855956056156256356456556656756856957057157257357457557657757857958058158258358458558658758858959059159259359459559659759859960060160260360460560660760860961061161261361461561661761861962062162262362462562662762862963063163263363463563663763863964064164264364464564664764864965065165265365465565665765865966066166266366466566666766866967067167267367467567667767867968068168268368468568668768868969069169269369469569669769869970070170270370470570670770870971071171271371471571671771871972072172272372472572672772872973073173273373473573673773873974074174274374474574674774874975075175275375475575675775875976076176276376476576676776876977077177277377477577677777877978078178278378478578678778878979079179279379479579679779879980080180280380480580680780880981081181281381481581681781881982082182282382482582682782882983083183283383483583683783883984084184284384484584684784884985085185285385485585685785885986086186286386486586686786886987087187287387487587687787887988088188288388488588688788888989089189289389489589689789889990090190290390490590690790890991091191291391491591691791891992092192292392492592692792892993093193293393493593693793893994094194294394494594694794894995095195295395495595695795895996096196296396496596696796896997097197297397497597697797897998098198298398498598698798898999099199299399499599699799899910001001100210031004100510061007100810091010101110121013101410151016101710181019102010211022102310241025102610271028102910301031103210331034103510361037103810391040104110421043104410451046104710481049105010511052105310541055105610571058105910601061106210631064106510661067106810691070107110721073107410751076107710781079108010811082108310841085108610871088108910901091109210931094109510961097109810991100110111021103110411051106110711081109111011111112111311141115111611171118111911201121112211231124112511261127112811291130113111321133113411351136113711381139114011411142114311441145114611471148114911501151115211531154115511561157115811591160116111621163116411651166116711681169117011711172117311741175117611771178117911801181118211831184118511861187118811891190119111921193119411951196119711981199120012011202120312041205120612071208120912101211121212131214121512161217121812191220122112221223122412251226122712281229123012311232123312341235123612371238123912401241124212431244124512461247124812491250125112521253125412551256125712581259126012611262126312641265126612671268126912701271127212731274127512761277127812791280128112821283128412851286128712881289129012911292129312941295129612971298129913001

Prasanna

Date: 11/01/2013

Small

In the event that the PLM analysis produced a negative result on a NOB bulk sample, that sample will be re-analyzed using TEM.

Committee, 1937-1938, 1939-1940, 1941-1942, 1943-1944, 1945-1946, 1947-1948, 1949-1950, 1951-1952, 1953-1954, 1955-1956, 1957-1958, 1959-1960, 1961-1962, 1963-1964, 1965-1966, 1967-1968, 1969-1970, 1971-1972, 1973-1974, 1975-1976, 1977-1978, 1979-1980, 1981-1982, 1983-1984, 1985-1986, 1987-1988, 1989-1990, 1991-1992, 1993-1994, 1995-1996, 1997-1998, 1999-2000, 2001-2002, 2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, 2015-2016, 2017-2018, 2019-2020, 2021-2022, 2023-2024, 2025-2026, 2027-2028, 2029-2030, 2031-2032, 2033-2034, 2035-2036, 2037-2038, 2039-2040, 2041-2042, 2043-2044, 2045-2046, 2047-2048, 2049-2050, 2051-2052, 2053-2054, 2055-2056, 2057-2058, 2059-2060, 2061-2062, 2063-2064, 2065-2066, 2067-2068, 2069-2070, 2071-2072, 2073-2074, 2075-2076, 2077-2078, 2079-2080, 2081-2082, 2083-2084, 2085-2086, 2087-2088, 2089-2090, 2091-2092, 2093-2094, 2095-2096, 2097-2098, 2099-2100, 2101-2102, 2103-2104, 2105-2106, 2107-2108, 2109-2110, 2111-2112, 2113-2114, 2115-2116, 2117-2118, 2119-2120, 2121-2122, 2123-2124, 2125-2126, 2127-2128, 2129-2130, 2131-2132, 2133-2134, 2135-2136, 2137-2138, 2139-2140, 2141-2142, 2143-2144, 2145-2146, 2147-2148, 2149-2150, 2151-2152, 2153-2154, 2155-2156, 2157-2158, 2159-2160, 2161-2162, 2163-2164, 2165-2166, 2167-2168, 2169-2170, 2171-2172, 2173-2174, 2175-2176, 2177-2178, 2179-2180, 2181-2182, 2183-2184, 2185-2186, 2187-2188, 2189-2190, 2191-2192, 2193-2194, 2195-2196, 2197-2198, 2199-2200, 2201-2202, 2203-2204, 2205-2206, 2207-2208, 2209-2210, 2211-2212, 2213-2214, 2215-2216, 2217-2218, 2219-2220, 2221-2222, 2223-2224, 2225-2226, 2227-2228, 2229-2230, 2231-2232, 2233-2234, 2235-2236, 2237-2238, 2239-2240, 2241-2242, 2243-2244, 2245-2246, 2247-2248, 2249-2250, 2251-2252, 2253-2254, 2255-2256, 2257-2258, 2259-2260, 2261-2262, 2263-2264, 2265-2266, 2267-2268, 2269-2270, 2271-2272, 2273-2274, 2275-2276, 2277-2278, 2279-2280, 2281-2282, 2283-2284, 2285-2286, 2287-2288, 2289-2290, 2291-2292, 2293-2294, 2295-2296, 2297-2298, 2299-2300, 2301-2302, 2303-2304, 2305-2306, 2307-2308, 2309-2310, 2311-2312, 2313-2314, 2315-2316, 2317-2318, 2319-2320, 2321-2322, 2323-2324, 2325-2326, 2327-2328, 2329-2330, 2331-2332, 2333-2334, 2335-2336, 2337-2338, 2339-2340, 2341-2342, 2343-2344, 2345-2346, 2347-2348, 2349-2350, 2351-2352, 2353-2354, 2355-2356, 2357-2358, 2359-2360, 2361-2362, 2363-2364, 2365-2366, 2367-2368, 2369-2370, 2371-2372, 2373-2374, 2375-2376, 2377-2378, 2379-2380, 2381-2382, 2383-2384, 2385-2386, 2387-2388, 2389-2390, 2391-2392, 2393-2394, 2395-2396, 2397-2398, 2399-2400, 2401-2402, 2403-2404, 2405-2406, 2407-2408, 2409-2410, 2411-2412, 2413-2414, 2415-2416, 2417-2418, 2419-2420, 2421-2422, 2423-2424, 2425-2426, 2427-2428, 2429-2430, 2431-2432, 2433-2434, 2435-2436, 2437-2438, 2439-2440, 2441-2442, 2443-2444, 2445-2446, 2447-2448, 2449-2450, 2451-2452, 2453-2454, 2455-2456, 2457-2458, 2459-2460, 2461-2462, 2463-2464, 2465-2466, 2467-2468, 2469-2470, 2471-2472, 2473-2474, 2475-2476, 2477-2478, 2479-2480, 2481-2482, 2483-2484, 2485-2486, 2487-2488, 2489-2490, 2491-2492, 2493-2494, 2495-2496, 2497-2498, 2499-2500, 2501-2502, 2503-2504, 2505-2506, 2507-2508, 2509-2510, 2511-2512, 2513-2514, 2515-2516, 2517-2518, 2519-2520, 2521-2522, 2523-2524, 2525-2526, 2527-2528, 2529-2530, 2531-2532, 2533-2534, 2535-2536, 2537-2538, 2539-2540, 2541-2542, 2543-2544, 2545-2546, 2547-2548, 2549-2550, 2551-2552, 2553-2554, 2555-2556, 2557-2558, 2559-2560, 2561-2562, 2563-2564, 2565-2566, 2567-2568, 2569-2570, 2571-2572, 2573-2574, 2575-2576, 2577-2578, 2579-2580, 2581-2582, 2583-2584, 2585-2586, 2587-2588, 2589-2590, 2591-2592, 2593-2594, 2595-2596, 2597-2598, 2599-2600, 2601-2602, 2603-2604, 2605-2606, 2607-2608, 2609-2610, 2611-2612, 2613-2614, 2615-2616, 2617-2618, 2619-2620, 2621-2622, 2623-2624, 2625-2626, 2627-2628, 2629-2630, 2631-2632, 2633-2634, 2635-2636, 2637-2638, 2639-2640, 2641-2642, 2643-2644, 2645-2646, 2647-2648, 2649-2650, 2651-2652, 2653-2654, 2655-2656, 2657-2658, 2659-2660, 2661-2662, 2663-2664, 2665-2666, 2667-2668, 2669-2670, 2671-2672, 2673-2674, 2675-2676, 2677-2678, 2679-2680

Wash. Ad. 5/21/14 Cbe. only.



ASBESTOS BULK SAMP

Client: NYSDEC

Project: Tonawanda Forge Site Supplemental Asbestos Survey

Building Location: 2390 Kenmore Ave., Tonawanda, NY 14150

Sampler: Kevin J. McGovern at (716) 923-1101, Fax: (716) 856-2545

E-Mail Results to: kevin.mcgovern@urs.com

URS Corporation

257 West Genesee Street, Suite 400

Mail Report to: Buffalo, NY 14202-2657



480-60734 Chain of Custody

DY

Page 1 of 1

Date: 5/13/14

PO / Project Number: NYSDEC Site #915274

Turnaround Requested:

RUSH/ Immediate

24 Hour

48 Hour

3-5 Day

Standard

Please Send Invoice To:

Dave Chiusano

NYSDEC

625 Broadway

Albany, NY 12233-4500

Sample Number	Material Description	Material ID	Sample Location	Laboratory Results	
				PLM	TEM
P31C-R1	Black Built UP Material	R1	Puc 3, Gno P-C		
P31B-R1			Puc 3, Gno 1B		
P31A-R1			Puc 3, Gno 1A		
P21B-R1			Puc 2, Gno 1B		
P1R1-R1			Puc 1, Gno 1A → 1D		
P1R2-R2	Black Casting on Concrete	R2	Puc 1, Gno 2A		
P1R2-R1	Black Built UP Material	R1	Puc 1, Gnos 2A → 2D		
P1R3-R1			Puc 1, Gnos 3A → 3D		
P1R3-R2	Black Casting on Concrete	R2	Puc 1, Gnos 3A → 3D		

Sampled By:

Date: 5/13/14

Received By:

Date: 5/13/14

Relinquished By:

Date: 5/13/14

Received By:

Date: 5/13/14

Time: 15:00

Time: 16:20

Time: 16:20

In the event that the PLM analysis produced a negative result on a NOB bulk sample, that sample will be re-analyzed using TEM. ~~Comments: No asbestos detected.~~

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-60734-1

Login Number: 60734

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

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.	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.	True	
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	urs
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

B. SUPPLEMENTAL ASBESTOS SURVEY

*Asbestos Survey Report, Appendix H of the
Phase I Remedial Investigation Report, (URS
August 2014, Draft)*

**ASBESTOS SURVEY REPORT
TONAWANDA FORGE SITE
TOWN OF TONAWANDA, NEW YORK**

Prepared for:

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION**

Prepared by:

**URS Corporation
257 West Genesee Street, Suite 400
Buffalo, New York 14202-2657**

June 2014

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ACRONYM LIST

ACM:	Asbestos Containing Material – “Any material containing greater than one percent (1%) of asbestos, also known as Asbestos Material” [12 NYCRR Part 56-2.1(p)].
PACM:	Presumed Asbestos Containing Material – All Thermal System Insulations and Surfacing Materials found in buildings constructed no later than 1980.
SACM:	Suspect Asbestos Containing Material - Any suspect asbestos-containing material that is not PACM, such as floor tiles, ceiling tiles, mastics/adhesives, sealants, roofing materials, cementitious materials, etc. All SACM must be assumed to be ACM, unless proven otherwise by appropriate bulk sampling and laboratory analyses.
PLM:	Polarized Light Microscopy.
TEM:	Transmission Electron Microscopy
Friable:	Any material that when dry, can be crumbled, pulverized, or reduced to powder by hand pressure, or is capable of being released into the air by hand pressure [12 NYCRR Part 56-2.1(bh)].
NOB material:	Non-friable asbestos materials embedded in flexible-to-rigid asphalt or vinyl matrices, including but not limited to flooring materials, adhesives, mastics, asphalt shingles, roofing materials and caulks.

E.0 EXECUTIVE SUMMARY

In the fall of 2013, URS Corporation – New York (URS) conducted an asbestos survey at the New York State Department of Environmental Conservation's Tonawanda Forge site. The purpose of this survey is to locate and quantify asbestos-containing material in debris scattered throughout the Site in order to guide its removal. The data generated during this investigation show that almost ninety percent (90%) of the surveyed area has asbestos-containing material in debris.

1.0 INTRODUCTION

URS Corporation – New York (URS) has prepared this Asbestos Survey Report under Work Assignment #D007622-21 for the Tonawanda Forge site (Site #915274), 2390 Kenmore Avenue, Tonawanda, New York, for the New York State Department of Environmental Conservation (NYSDEC). This asbestos-containing material (ACM) survey was conducted to determine if the ACM that had been identified in the Asbestos Inspection Report prepared by UNYSE Environmental Consultants (April 2011) had been improperly managed by subcontractors of the Tonawanda Forge site (Site) owner during the demolition of structures and other ancillary equipment at the Site; and to determine if ACM is present in the remaining site structures.

1.1 Purpose and Scope

This Asbestos Survey is a part of an overall Remedial Investigation (RI) at the Site; this Asbestos Survey report will be an appendix to the overall RI report. The purpose of this report is to inventory and quantify the ACM in the standing debris throughout the Site. The information presented in this report will be used to guide the removal the ACM as part of future overall remedial activities at the Site, and to ensure that the proper health and safety procedures are in place to protect on-site workers

The work performed during this asbestos survey follows applicable guidelines provided in 12 NYCRR Part 56. The asbestos survey included the following tasks:

- Review all available ACM studies that were conducted at the Site;
- Conduct visual inspections to identify suspect ACM (SACM) in the waste piles at the Site;
- Collect discrete samples from each SACM (e.g., mesh coating on tank insulation, tar coating on foam insulation, manway gaskets, roofing materials, felt on tank saddles, plaster/wire mesh insulation, etc.);
- Analysis of all samples collected;
- Document the location of each sample, the locations where ACM was detected and estimated quantities of ACM present;

- Preparation of a survey report.

1.2 Background

The Site is approximately 2,300 feet southeast of the intersection of Kenmore Ave. and Sheridan Drive. The main features of the 33.2 acre Site include two remaining brick multi-story buildings which were part of the original manufacturing complex. The majority of the western portion of the Site consists of the building floor slab, parking lots, or driveways. A large grassed area, in the eastern portion of the Site, along Kenmore Avenue consists of a former landfill area.

The property was originally part of the General Motors - Tonawanda Engine Plant facility that borders the site to the north, west and south. The forge facility was sold in 1994 to American Axle and Manufacturing, Inc. (American Axle). In 2008, American Axle sold the property to the current owner, Lewis Brothers, LLC (Lewis), of Richmond, Virginia. Upon sale of the property, Lewis began the demolition of the site buildings that formerly housed the manufacturing operations, starting with the removal of the interior equipment and ending with the removal of the buildings' entire superstructure.

URS conducted a Site walkover on July 30, 2013 and determined that presumed ACM (PACM) and SACM (i.e., roofing material, galbestos, expansion joints, etc.) were present throughout the footprint of the demolition area.

1.3 Consultant's License and Certification

The URS inspectors conducting the asbestos survey have completed the New York State mandated asbestos training and hold current certifications. Copies of URS' corporate asbestos license and URS personnel asbestos certifications can be found in Appendix A.

1.4 Laboratory Accreditation

The laboratories that performed the analysis of the bulk samples are accredited to analyze bulk samples for asbestos. Copies of the laboratories' certifications can be found in Appendix B.

2.0 FIELD ACTIVITIES

The URS inspectors (David Cofield and Kevin McGovern) conducted the fieldwork between October 28, 2013 and November 8, 2013. They divided the yard into 50-foot by 50-foot grid squares and assigned alphanumeric designations for each grid square (see Figure 2). The URS inspectors then conducted a thorough visual inspection survey of each grid square to identify SACM. SACM observed included, but were not limited to: tar/mesh covering tank insulation, tar coating on foam insulation, galbestos, flashing, transite, and roofing material. Such observations are recorded in the Grid Square Summary Sheets located in Appendix C.

Following the visual inspection, the URS inspectors collected 123 representative bulk samples of SACM, from each type of material for analysis (see Section 3 for types of analysis conducted). Each sample was collected from the locations presented on the Grid Square Summary Sheets (Appendix C), and was placed in a sample bag marked with a unique sample identification number. A photographic log is presented in Appendix D.

Figure 2 also shows grid squares that were not surveyed during this event. These grids contained structures or large piles of debris that will be addressed during subsequent asbestos survey events.

3.0 ANALYTICAL RESULTS

The 123 bulk samples were delivered to AMA Analytical Services, Inc. (AMA), 4475 Forbes Blvd., Lanham, Maryland under chain-of-custody for asbestos content determination. As shown in Appendix B, AMA is approved by the New York State Department of Health (NYDOH-ELAP # 10920) and is accredited by the National Voluntary Laboratory Accreditation Program administered by the National Institute of Standards and Technology (NVLAP Lab ID # 101143-0). Chain-of-custodies and analytical results are included in Appendix E.

The bulk samples were analyzed for asbestos using Polarized Light Microscopy (PLM). In the event that the PLM analysis produced a negative result on a non-friable organically bound (NOB) bulk sample, that sample was re-analyzed using transmission electron microscopy (TEM). Under New York State Department of Labor regulation 12 NYCRR Part 56-2.1(p), a material is considered to be asbestos-containing if the percentage of asbestos present is greater than 1 percent by weight. A summary of the ACM analytical results for each bulk sample, along with an estimate of the total ACM by media in areas inspected, is presented in Table 1. Sampling grids with ACM present are identified in Figure 2.

It should be noted that Table 1 presents quantities in either linear feet (length) or square feet (area), not cubic feet (volume). Grids H9, I8, and K7 contain pits filled with miscellaneous ACM roofing debris. This survey can only estimate the square footage of the top of these pits. However, estimates of total volumes of ACM debris in these pits can be achieved through penetration techniques (i.e. direct push rig, etc.), at a later date.

In addition, Table 1 shows some miscellaneous roofing debris (i.e. black tar paper roofing, black coating on foam, etc.) as non-ACM. However, this non-ACM (highlighted in yellow on Table 1) is intermingled with ACM and therefore should be treated as such.

4.0 LIMITATIONS

URS conducted this limited asbestos survey in accordance with the scope of services. URS has endeavored to investigate the existing conditions at the Tonawanda Forge site using standard accepted procedures. Regardless of the thoroughness of a survey, it is possible that some areas containing asbestos were inaccessible to the surveyors. This report presents general descriptions of various construction materials and the general locations where these materials were encountered. Intrusive sampling was not conducted for this survey; therefore, buried, covered, or inaccessible areas may contain asbestos not found during this survey. Buried materials (e.g., tank manway gaskets, buried in pits, etc.) may become visible during remedial activities. If suspect materials that were not previously sampled are uncovered during remedial activities, they should be tested prior to further disturbance of the area. Materials for which sampling and analysis has been completed to determine asbestos content should be treated as ACM until analysis is completed.

The conclusions presented in Section 3 of this report are professional opinions based on the data described in this report. They are intended only for the purpose, the location, and the project indicated. Changes in applicable standards may occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond our control. Opinions and judgments expressed herein, which are based on our understanding and interpretation of current regulatory standards, should not be construed as legal opinions.

TABLES

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
A1	Floor Tile	N	TON-FT07	12 X 12 Gray Floor Tile	NOB	2,000 SF	A1-7	11/1/2013	< 1.0%
A1	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,000 SF	A1-2	11/1/2013	< 1.0%
A1		N	TON-RM05	Black Rolled Roofing	NOB		A1-5	11/1/2013	< 1.0%
A1		N	TON-RM06	Black Coating on Foam	NOB		A1-6	11/1/2013	< 1.0%
A1		N	TON-RM08	Silver Coated Mesh on Built-Up Roofing	NOB		A1-8	11/1/2013	< 1.0%
A1		Y	TON-RM01	Black Built Up Roofing	NOB		A1-1	11/1/2013	< 1.0%
A1		Y	TON-RM03	Black Roof Shingles	NOB		A1-3	11/1/2013	< 1.0%
A1	Particulate	N	TON-PT04	White Gray Particulates	NOB	2,000 SF	A1-4	11/1/2013	< 1.0%
A2	Black Coating on Brick	N	TON-TI11	Black Coating on Brick	NOB	1,250 SF	A2-3	11/1/2013	< 1.0%
A2	Black Mastic for TON-FT12	N	TON-FTM13	Black Mastic for TON-FT12	NOB	1,250 SF	A2-5	11/1/2013	< 1.0%
A2	Black Mastic for TON-FT14	N	TON-FTM15	Black Mastic for TON-FT14	NOB	1,250 SF	A2-7	11/1/2013	< 1.0%
A2	Brown Layered Board	N	TON-WB09	Brown Layered Board	NOB	1,250 SF	A2-1	11/1/2013	< 1.0%
A2	Brown/Black Thick Gasket	N	TON-GS10	Brown/Black Thick Gasket	NOB	1,250 SF	A2-2	11/1/2013	< 1.0%
A2	Gray Speckled Floor Tile	N	TON-FT14	12" X 12" Gray Speckled Floor Tile	NOB	1,250 SF	A2-6	11/1/2013	< 1.0%
A2	Tan Speckled Floor Tile	N	TON-FT12	12 X 12 Tan Speckled Floor Tile	NOB	1,250 SF	A2-4	11/1/2013	< 1.0%
A3	Black Coating on Brick	N	TON-TI16	Black Coating on Brick	NOB	200 SF	A3-1	11/4/2013	< 1.0%
A3	Black Mastic for TON-FT12	N	TON-FTM13	Black Mastic for TON-FT12	NOB	100 SF	A3-3	11/4/2013	< 1.0%
A3	Black Mastic for TON-FT14	N	TON-FTM15	Black Mastic for TON-FT14	NOB	100 SF	A3-5	11/4/2013	< 1.0%
A3	Gray Speckled Floor Tile	N	TON-FT14	12" X 12" Gray Speckled Floor Tile	NOB	100 SF	A3-4	11/4/2013	< 1.0%
A3	Light Gray Floor Coating	N	TON-FL16	Light Gray Floor Coating	NOB	450 SF	A3-6	11/4/2013	< 1.0%
A3	Tan Speckled Floor Tile	N	TON-FT12	12 X 12 Tan Speckled Floor Tile	NOB	100 SF	A3-2	11/4/2013	< 1.0%
A4	Black Mastic for TON-FT12	N	TON-FTM13	Black Mastic for TON-FT12	NOB	10 SF	A4-4	11/4/2013	< 1.0%
A4	Brown Cove Base Molding	N	TON-CB18	Brown Cove Base Molding	NOB	10 SF	A4-5	11/4/2013	< 1.0%
A4	Drywall	N	TON-WB17	Drywall Debris	Friable	10 SF	A4-2	11/4/2013	< 1.0%
A4	Miscellaneous Roofing Debris	N	TON-RM06	Black Coating on Foam	NOB	10 SF	A4-1	11/4/2013	< 1.0%
A4		Y	TON-RM01	Black Built Up Roofing	NOB		A4-7	11/4/2013	1.4%
A4	Tan Mastic to TON-CB18	N	TON-CBM19	Tan Mastic to TON-CB18	NOB	10 SF	A4-6	11/4/2013	< 1.0%
A4	Tan Speckled Floor Tile	N	TON-FT12	12 X 12 Tan Speckled Floor Tile	NOB	10 SF	A4-3	11/4/2013	< 1.0%
A5	White Mastic to TON-CB21	N	TON-CBM22	White Mastic to TON-CB21	NOB	100 SF	A5-4	11/4/2013	< 1.0%
A5	Brown Cove Base Molding	N	TON-CB21	Black Cove Base Molding	NOB	100 SF	A5-3	11/4/2013	< 1.0%
A5	Drywall	N	TON-WB17	Drywall Debris	Friable	250 SF	A5-1	11/4/2013	< 1.0%
A5	Joint Compound	N	TON-WB20	Drywall Joint Compound	Friable	250 SF	A5-2	11/4/2013	< 1.0%
A6	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	40 SF	A6-2	11/4/2013	2.7%
A6	Drywall	N	TON-WB17	Drywall Debris	Friable	100 SF	A6-1	11/4/2013	< 1.0%
A7	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	10 LF	A7-2	11/4/2013	< 1.0%
A7	Miscellaneous Roofing Debris	N	TON-RM06	Black Coating on Foam	NOB	10 SF	A7-1	11/4/2013	< 1.0%
A7	Miscellaneous Roofing Debris	Y	TON-RM01	Black Built Up Roofing	NOB	350 SF	NS	NS	NS
A8	Miscellaneous Roofing Debris	Y	TON-RM01	Black Built Up Roofing	NOB	350 SF	A8-1	11/4/2013	< 1.0%
A8	Red Thick Floor Coating	N	TON-FL24	Red Thick Floor Coating	NOB	25 SF	A8-2	11/4/2013	< 1.0%
A9	Black Grout to 12" X 12" Blue Ceramic Floor Tile	N	TON-GR30	Black Grout to 12" X 12" Blue Ceramic Floor Tile	NOB	50 SF	A9-5	11/4/2013	< 1.0%
A9	Gray Grout to Terracotta Tile	N	TON-GR26	Gray Grout to Terracotta Tile	NOB	50 SF	A9-2	11/4/2013	< 1.0%
A9	Red Thick Floor Coating	N	TON-FL24	Red Thick Floor Coating	NOB	25 SF	NS	NS	NS
A9	Tan Mastic to 12" X 12" Blue Ceramic Floor Tile	N	TON-TM29	Tan Mastic to 12" X 12" Blue Ceramic Floor Tile	NOB	50 SF	A9-4	11/4/2013	< 1.0%
A9	Tan Mastic to Terracotta Covebase	Y	TON-TM27	Tan Mastic to Terracotta Covebase	NOB	50 SF	A9-3	11/4/2013	2.1%
A9	Tan Mastic to Terracotta Tile	Y	TON-TM25	Tan Mastic to Terracotta Tile	NOB	50 SF	A9-1	11/4/2013	2.9%
A10	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	10 LF	NS	NS	NS
A10	Brown Cork Board	N	TON-WB31	Brown Cork Board	NOB	10 SF	A10-1	11/4/2013	< 1.0%
A11	Brown Layered Board	N	TON-WB09	Brown Layered Board	NOB	500 SF	A11-3	11/4/2013	< 1.0%
A11	Granular Debris	N	TON-GD33	Granular Debris	NOB	50 SF	A11-2	11/4/2013	< 1.0%
A11	Miscellaneous Roofing Debris	N	TON-RM05	Black Rolled Roofing	NOB	500 SF	A11-4	11/4/2013	< 1.0%
A11		Y	TON-RM49	Black Flashing Cement	NOB		A11-5	11/4/2013	< 1.0%
A11	Transite Debris	Y	TON-TR32	Transite Debris	NOB		A11-1	11/4/2013	8.9%
B1	Floor Tile	N	TON-FT07	12 X 12 Gray Floor Tile Debris	NOB	1,600 SF	B1-6	11/4/2013	< 1.0%
B1	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,600 SF	B1-3	11/4/2013	< 1.0%
B1		N	TON-RM08	Silver Coated Mesh on Built-Up Roofing	NOB		B1-7	11/4/2013	< 1.0%
B1		Y	TON-RM01	Black Built Up Roofing	NOB		B1-2	11/4/2013	< 1.0%
B1		Y	TON-RM03	Black Roof Shingles	NOB		B1-4	11/4/2013	< 1.0%
B1	Transite Debris	Y	TON-TR32	Transite Debris	NOB		B1-1	11/4/2013	16.0%
B1	Particulate	N	TON-PT04	White Gray Particulates	NOB	1,600 SF	B1-5	11/4/2013	< 1.0%
B2	Black Flashing Over Wood	N	TON-FL34	Black Flashing Over Wood	NOB	1 LF	B2-1	11/4/2013	< 1.0%
B2	Black Thick Gasket	N	TON-GS35	Black Thick Gasket	NOB	1 LF	B2-2	11/4/2013	< 1.0%

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
B2	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,000 SF	NS	NS	NS
B2		N	TON-RM08	Silver Coated Mesh on Built-Up Roofing	NOB		NS	NS	NS
B2		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
B2		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
B3	Gray Refractory Brick	N	TON-TI36	Gray Refractory Brick	NOB	10 SF	B3-1	11/4/2013	< 1.0%
B3	Light Gray Floor Coating	N	TON-FL16	Light Gray Floor Coating	NOB	400 SF	B3-2	11/4/2013	< 1.0%
B3	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	400 SF	NS	NS	NS
B3		N	TON-RM08	Silver Coated Mesh on Built-Up Roofing	NOB		NS	NS	NS
B3		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
B3		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
B4	Light Gray Floor Coating	N	TON-FL16	Light Gray Floor Coating	NOB	200 SF	NS	NS	NS
B5	Gray Speckled Floor Tile	N	TON-FT14	12" X 12" Gray Speckled Floor Tile	NOB	1,250 SF	B5-1	11/4/2013	< 1.0%
B6	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	60 LF	B6-1	11/4/2013	< 1.0%
B6	Blue Thick Floor Coating	N	TON-FL37	Blue Thick Floor Coating	NOB	100 SF	B6-2	11/4/2013	< 1.0%
B7	Brown Layered Board	N	TON-WB09	Brown Layered Board	NOB	500 SF	B7-4	11/4/2013	< 1.0%
B7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	B7-1	11/4/2013	< 1.0%
B7		N	TON-RM05	Black Rolled Roofing	NOB		B7-3	11/4/2013	< 1.0%
B7		Y	TON-RM03	Black Roof Shingles	NOB		B7-2	11/4/2013	3.2%
B8		N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
B8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
B8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
B9	Black Coating on Brick	N	TON-TI11	Black Coating on Brick	NOB	750 SF	B9-3	11/4/2013	< 1.0%
B9	Miscellaneous Roofing Debris	N	TON-RM38	Gray Roof Shingles	NOB	750 SF	B9-1	11/4/2013	< 1.0%
B9	Off White Floor Leveling Compound	N	TON-FL39	Off White Floor Leveling Compound	NOB	100 SF	B9-2	11/4/2013	< 1.0%
B10	Miscellaneous Roofing Debris	N	TON-RM08	Silver Coated Mesh on Built-Up Roofing	NOB	900 SF	B10-2	11/5/2013	< 1.0%
B10	Miscellaneous Roofing Debris	N	TON-RM38	Gray Roof Shingles	NOB	900 SF	B10-3	11/5/2013	< 1.0%
B10	Particulate	N	TON-PT04	White Gray Particulates	NOB	900 SF	B10-1	11/5/2013	< 1.0%
B10	White Coating Over Thin Fiberboard	N	TON-WC40	White Coating Over Thin Fiberboard	NOB	900 SF	B10-4	11/5/2013	< 1.0%
B11	Black Coating on Brick	N	TON-TI11	Black Coating on Brick	NOB	900 SF	NS	NS	NS
B11	Brown Layered Board	N	TON-WB09	Brown Layered Board	NOB	900 SF	NS	NS	NS
B11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	900 SF	NS	NS	NS
B11		N	TON-RM08	Silver Coated Mesh on Built-Up Roofing	NOB		NS	NS	NS
B11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
B11		Y	TON-TR32	Transite Debris	NOB		B11-1	11/5/2013	8.9%
B11	White Coating Over Thin Fiberboard	N	TON-WC40	White Coating Over Thin Fiberboard	NOB	900 SF	B11-2	11/5/2013	< 1.0%
C1	No PACM or SACM Encountered								
C2	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	20 LF	C2-1	11/5/2013	< 1.0%
C2	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	10 LF	C2-2	11/5/2013	< 1.0%
C2	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	10 LF	C2-3	11/5/2013	< 1.0%
C3	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	C3-1	11/5/2013	< 1.0%
C4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	100 SF	NS	NS	NS
C4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
C5	Black Coating on Brick	N	TON-TI11	Black Coating on Brick	NOB	100 SF	NS	NS	NS
C5	Black Flashing Over Wood	N	TON-FL34	Black Flashing Over Wood	NOB	100 SF	NS	NS	NS
C5	Miscellaneous Roofing Debris	Y	TON-RM01	Black Built Up Roofing	NOB	100 SF	NS	NS	NS
C6	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
C7	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	150 LF	C7-2	11/5/2013	< 1.0%
C7	Galbestos	Y	TON-GB41	Galbestos Debris	NOB	270 SF	C7-1	11/5/2013	2.1%
C7	Miscellaneous Roofing Debris	N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
C7		N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
C7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
C7	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
C7	Tan Speckled Floor Tile	N	TON-FT12	12 X 12 Tan Speckled Floor Tile	NOB	270 SF	NS	NS	NS
C8	Miscellaneous Roofing Debris	N	TON-RM06	Black Coating on Foam	NOB	450 SF	NS	NS	NS
C8		N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
C8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
C8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
C8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
C9	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
C9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
C9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
C9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
C9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
C9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
C10	Black Thick Canvas Duct Material	N	TON-DM42	Black Thick Canvas Duct Material	NOB	350 SF	C10-1	11/5/2013	< 1.0%
C11	Black Rubber Gasket	N	TON-GS43	Black Rubber Gasket	NOB	1 LF	C11-1	11/5/2013	< 1.0%
C11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,750 SF	NS	NS	NS
C11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
C11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
C11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
C11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
D1	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	60 LF	NS	NS	NS
D2	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	60 LF	D2-1	11/5/2013	< 1.0%
D3	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
D3	Light Gray Floor Coating	N	TON-FL16	Light Gray Floor Coating	NOB	450 SF	NS	NS	NS
D4	No PACM or SACM Encountered								
D5	No PACM or SACM Encountered								
D6	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
D7	Light Gray Floor Coating	N	TON-FL16	Light Gray Floor Coating	NOB	40 SF	D7-1	11/5/2013	< 1.0%
D8	No PACM or SACM Encountered								
D9	Blue Thick Floor Coating	N	TON-FL37	Blue Thick Floor Coating	NOB	50 SF	D9-1	11/5/2013	< 1.0%
D9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	150 SF	NS	NS	NS
D9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
D9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
D9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
D9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
D10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
D10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
D10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
D10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
D10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
D11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
D11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
D11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
D11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
D11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
E1	No PACM or SACM Encountered								
E2	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	20 LF	NS	NS	NS
E3	Not Part of Survey								
E4	White Caulking	N	TON-CK44	White Caulking	NOB	40 LF	E4-1	11/5/2013	< 1.0%
E5	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
E5		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
E5		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
E5		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
E5		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
E6	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
E6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	50 SF	NS	NS	NS
E6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
E6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
E6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
E6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
E7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,500 SF	NS	NS	NS
E7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
E7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
E7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
E7	Miscellaneous Roofing Debris	Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
E8	Blue Thick Floor Coating	N	TON-FL37	Blue Thick Floor Coating	NOB	150 SF	E8-1	11/6/2013	< 1.0%
E8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	650 SF	NS	NS	NS
E8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
E8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
E8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
E8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
E9	Blue Thick Floor Coating	N	TON-FL37	Blue Thick Floor Coating	NOB	25 SF	NS	NS	NS
E9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	700 SF	NS	NS	NS
E9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
E9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
E9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
E9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
E9	White Roof Shingles	N	TON-RM45	White Roof Shingles	NOB	700 SF	E9-1	11/6/2013	< 1.0%

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
E10	Miscellaneous Roofing Debris	N	TON-RM48	Silver Mesh Coating on Flashing	NOB	1,350 SF	E10-1	11/6/2013	< 1.0%
E10		N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
E10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
E10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
E10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
E10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
E11	Galbestos	Y	TON-GB41	Galbestos Debris	NOB	750 SF	E11-1	11/6/2013	6.5%
E11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
E11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
E11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
E11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
E11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
E12	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
E13	No PACM or SACM Encountered								
F1	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
F2	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
F3	Not Part of Survey								
F4	Dark Blue Thick Floor Coating	N	TON-FL46	Dark Blue Thick Floor Coating	NOB	250 SF	F4-1	11/6/2013	< 1.0%
F4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,200 SF	NS	NS	NS
F4		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
F4		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
F4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
F4		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
F5	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
F5		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
F5		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
F5		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
F5		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
F5	White Caulking	N	TON-CK44	White Caulking	NOB	40 LF	E4-1	11/5/2013	< 1.0%
F6	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
F6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	175 SF	NS	NS	NS
F6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
F6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
F6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
F6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
F7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,600 SF	NS	NS	NS
F7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
F7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
F7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
F7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
F8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	600 SF	NS	NS	NS
F8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
F8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
F8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
F8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
F9	Brown Layered Board	N	TON-WB09	Brown Layered Board	NOB	50 SF	NS	NS	NS
F9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,000 SF	NS	NS	NS
F9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
F9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
F9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
F9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
F10	Black Thick Gasket	N	TON-GS35	Black Thick Gasket	NOB	1 LF	F10-2	11/6/2013	< 1.0%
F10	Gray/Black Mesh Cable Cover	Y	TON-CC47	Gray/Black Mesh Cable Cover	NOB	3 LF	F10-1	11/6/2013	17.0%
F10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
F10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
F10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
F10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
F10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
F11	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
F11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
F11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
F11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
F11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
F11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
F12	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
F13	No PACM or SACM Encountered								
G1	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
G2	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
G3	Not Part of Survey								

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
G4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	450 SF	NS	NS	NS
G4		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
G4		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
G4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
G4		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
G4	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
G5	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	20 LF	NS	NS	NS
G5	Miscellaneous Roofing Debris	N	TON-RM48	Silver Mesh Coating on Flashing	NOB	100 SF	G5-1	11/6/2013	< 1.0%
G5		N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
G5		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
G5		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
G5		Y	TON-RM49	Black Flashing Cement	NOB		G5-2	11/6/2013	5.9%
G5		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
G5		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
G6	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
G6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
G6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
G6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
G6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
G6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
G7	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	30 LF	NS	NS	NS
G7	Galbestos	Y	TON-GB41	Galbestos Debris	NOB		G7-1	11/6/2013	1.5%
G7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	400 SF	NS	NS	NS
G7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
G7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
G7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
G7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
G8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
G8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
G8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
G8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
G8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
G9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	100 SF	NS	NS	NS
G9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
G9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
G9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
G9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
G10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
G10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
G10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
G10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
G10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
G11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
G11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
G11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
G11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
G11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
G12	No PACM or SACM Encountered								
G13	No PACM or SACM Encountered								
H1	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
H2	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
H3	Galbestos	Y	TON-GB41	Galbestos Debris	NOB		NS	NS	NS
H3	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
H3		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
H3		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
H3		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
H3		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
H3	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
H4	Galbestos	Y	TON-GB41	Galbestos Debris	NOB		NS	NS	NS
H4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
H4		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
H4		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
H4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
H4		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
H4	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
H5	Galbestos	Y	TON-GB41	Galbestos Debris	NOB		NS	NS	NS

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Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
H5	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
H5		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
H5		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
H5		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
H5		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
H5	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
H6	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	40 LF	NS	NS	NS
H6	Galbestos	Y	TON-GB41	Galbestos Debris	NOB		NS	NS	NS
H6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
H6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
H6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
H6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
H6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
H7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
H7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
H7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
H7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
H7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
H8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	900 SF	NS	NS	NS
H8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
H8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
H8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
H8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
H8	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
H9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	200 SF	NS	NS	NS
H9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
H9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
H9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
H9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
H9	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
H10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
H10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
H10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
H10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
H10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
H11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
H11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
H11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
H11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
H11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
H12	No PACM or SACM Encountered								
H13	No PACM or SACM Encountered								
I1	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
I2	No PACM or SACM Encountered								
I3	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	25 LF	NS	NS	NS
I3	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,000 SF	NS	NS	NS
I3		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
I3		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
I3		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
I3		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
I4	Galbestos	Y	TON-GB41	Galbestos Debris	NOB		NS	NS	NS
I4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
I4		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
I4		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
I4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
I4		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
I4	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
I5	Galbestos	Y	TON-GB41	Galbestos Debris	NOB		NS	NS	NS
I5	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
I5		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
I5		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
I5		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
I5		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
I5	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
I6	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	40 LF	NS	NS	NS
I6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	250 SF	NS	NS	NS
I6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
I6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
I6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
I6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
I7	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	70 LF	NS	NS	NS

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
I7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	100 SF	NS	NS	NS
I7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
I7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
I7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
I7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
I8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	100 SF	NS	NS	NS
I8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
I8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
I8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
I8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
I9	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	15 LF	NS	NS	NS
I9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
I9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
I9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
I9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
I9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
I10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
I10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
I10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
I10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
I10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
I11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
I11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
I11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
I11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
I11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
I12	No PACM or SACM Encountered								
I13	No PACM or SACM Encountered								
J1	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	40 LF	NS	NS	NS
J1	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	100 SF	NS	NS	NS
J1		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
J1		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
J1		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
J1		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
J2	No PACM or SACM Encountered								
J3	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	400 SF	NS	NS	NS
J3		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
J3		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
J3		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
J3		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
J4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	750 SF	NS	NS	NS
J4		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
J4		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
J4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
J4		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
J5	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	100 SF	NS	NS	NS
J5		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
J5		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
J5		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
J5		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
J6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	100 SF	NS	NS	NS
J6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
J6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
J6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
J6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
J7	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	75 LF	NS	NS	NS
J7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	300 SF	NS	NS	NS
J7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
J7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
J7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
J7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
J8	Galbestos	Y	TON-GB41	Galbestos Debris	NOB	1,200 SF	NS	NS	NS
J8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
J8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
J8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
J8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
J8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
J8	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
J9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	600 SF	NS	NS	NS
J9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
J9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
J9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
J9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
J10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
J10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
J10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
J10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
J10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
J11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,200 SF	NS	NS	NS
J11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
J11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
J11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
J11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
J12	No PACM or SACM Encountered								
J13	No PACM or SACM Encountered								
K1	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
K1		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
K1		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
K1		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
K1		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
K2	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
K2		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
K2		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
K2		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
K2		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
K3	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
K3	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
K3		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
K3		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
K3		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
K3		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
K4	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
K4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
K4		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
K4		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
K4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
K4		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
K5	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
K5	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
K5		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
K5		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
K5		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
K5		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
K5	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
K6	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	50 LF	NS	NS	NS
K6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	300 SF	NS	NS	NS
K6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
K6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
K6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
K6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
K7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	400 SF	NS	NS	NS
K7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
K7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
K7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
K7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
K8	Brown Layered Board	N	TON-WB09	Brown Layered Board	NOB	900 SF	NS	NS	NS
K8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	900 SF	NS	NS	NS
K8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
K8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
K8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
K8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
K8	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
K9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,600 SF	NS	NS	NS
K9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
K9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
K9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
K9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
K10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
K10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
K10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
K10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
K10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
K10	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
K11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,000 SF	NS	NS	NS
K11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
K11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
K11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
K11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
K12	No PACM or SACM Encountered								
K13	No PACM or SACM Encountered								
L1	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	30 LF	NS	NS	NS
L1	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	100 SF	NS	NS	NS
L1		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
L1		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
L1		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
L1		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
L2	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	20 LF	NS	NS	NS
L2	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	700 SF	NS	NS	NS
L2		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
L2		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
L2		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
L2		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
L3	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	175 LF	NS	NS	NS
L3	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	700 SF	NS	NS	NS
L3		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
L3		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
L3		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
L3		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
L4	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	175 LF	NS	NS	NS
L4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	700 SF	NS	NS	NS
L4		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
L4		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
L4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
L4		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
L5	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	100 LF	NS	NS	NS
L5	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,400 SF	NS	NS	NS
L5		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
L5		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
L5		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
L5		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
L6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
L6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
L6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
L6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
L6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
L7	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	20 LF	NS	NS	NS
L7	Blue Thick Floor Coating	N	TON-FL37	Blue Thick Floor Coating	NOB	1,000 SF	NS	NS	NS
L7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	90 SF	NS	NS	NS
L7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
L7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
L7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
L7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
L7	Off White Floor Leveling Compound	N	TON-FL39	Off White Floor Leveling Compound	NOB	100 SF	L7-1	11/6/2013	< 1.0%
L8	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	30 LF	NS	NS	NS
L8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,000 SF	NS	NS	NS
L8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
L8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
L8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
L8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
L8	Transite Debris	Y	TON-TR32	Transite Debris	NOB		NS	NS	NS
L9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
L9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
L9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
L9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
L9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
L10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,700 SF	NS	NS	NS
L10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
L10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
L10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
L10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
L11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
L11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
L11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
L11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
L11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
L12	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	30 LF	NS	NS	NS
L13	No PACM or SACM Encountered								
M1	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	20 LF	M1-1	11/7/2013	< 1.0%
M1	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	200 SF	NS	NS	NS
M1		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
M1		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
M1		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
M1		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
M2	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	300 SF	NS	NS	NS
M2		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
M2		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
M2		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
M2		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
M3	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	200 SF	NS	NS	NS
M3		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
M3		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
M3		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
M3		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
M4	No PACM or SACM Encountered								
M5	No PACM or SACM Encountered								
M6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	200 SF	NS	NS	NS
M6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
M6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
M6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
M6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
M7	Light Gray Floor Coating	N	TON-FL16	Light Gray Floor Coating	NOB	50 SF	NS	NS	NS
M7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	100 SF	NS	NS	NS
M7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
M7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
M7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
M7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
M7	Off White Floor Leveling Compound	N	TON-FL39	Off White Floor Leveling Compound	NOB	60 SF	NS	NS	NS
M8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,000 SF	NS	NS	NS
M8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
M8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
M8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
M8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
M9	Galbestos	Y	TON-GB41	Galbestos Debris	NOB	500 SF	NS	NS	NS
M9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
M9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
M9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
M9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
M9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
M10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,600 SF	NS	NS	NS
M10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
M10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
M10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
M10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
M11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,000 SF	NS	NS	NS
M11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
M11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
M11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
M11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
M12	No PACM or SACM Encountered								
M13	No PACM or SACM Encountered								
N1	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	100 SF	NS	NS	NS
N1		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
N1		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
N1		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
N1		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
N1	Off White Floor Leveling Compound	N	TON-FL39	Off White Floor Leveling Compound	NOB	300 SF	NS	NS	NS
N2	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	700 SF	NS	NS	NS
N2		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
N2		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
N2		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
N2		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
N3	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	450 SF	NS	NS	NS
N3		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
N3		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
N3		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
N3		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
N4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	300 SF	NS	NS	NS
N4		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
N4		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
N4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
N4		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
N5	No PACM or SACM Encountered								
N6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	300 SF	NS	NS	NS
N6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
N6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
N6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
N6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
N7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	350 SF	NS	NS	NS
N7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
N7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
N7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
N7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
N7	Off White Floor Leveling Compound	N	TON-FL39	Off White Floor Leveling Compound	NOB	100 SF	NS	NS	NS
N8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,900 SF	NS	NS	NS
N8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
N8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
N8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
N8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
N9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
N9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
N9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
N9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
N9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
N10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	700 SF	NS	NS	NS
N10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
N10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
N10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
N10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
N11	No PACM or SACM Encountered								
N12	No PACM or SACM Encountered								
N13	No PACM or SACM Encountered								
O1	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	30 LF	NS	NS	NS
O1	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	800 SF	NS	NS	NS
O1		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
O1		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
O1		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
O1		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
O2	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,050 SF	NS	NS	NS
O2		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
O2		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
O2		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
O2		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
O3	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
O3		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
O3		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
O3		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
O3		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
O4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
O4		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
O4		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
O4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
O4		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
O5	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,000 SF	NS	NS	NS
O5		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
O5		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
O5		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
O5		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
O6	Black Expansion Joint	Y	TON-EJ23	Black Expansion Joint	NOB	35 LF	NS	NS	NS
O6	Blue Thick Floor Coating	N	TON-FL37	Blue Thick Floor Coating	NOB	30 SF	NS	NS	NS
O6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	800 SF	NS	NS	NS
O6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
O6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
O6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
O6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
O7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	400 SF	NS	NS	NS
O7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
O7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
O7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
O7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
O7	Miscellaneous Roofing Debris	Y	TON-RM49	Black Flashing Cement	NOB	70 SF	O7-1	11/7/2013	11.0%
O8		N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
O8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
O8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
O8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
O8	Miscellaneous Roofing Debris	Y	TON-RM03	Black Roof Shingles	NOB	900 SF	NS	NS	NS
O8	Off White Floor Leveling Compound	N	TON-FL39	Off White Floor Leveling Compound	NOB	10 SF	NS	NS	NS
O9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,800 SF	NS	NS	NS
O9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
O9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
O9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
O9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
O10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	750 SF	NS	NS	NS
O10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
O10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
O10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
O10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
O11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	300 SF	NS	NS	NS
O11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
O11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
O11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
O11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
O12	No PACM or SACM Encountered								
O13	No PACM or SACM Encountered								
P1	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	250 SF	NS	NS	NS
P1		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
P1		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
P1		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
P1		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
P2	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	100 SF	NS	NS	NS
P2		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
P2		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
P2		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
P2		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
P3	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	750 SF	NS	NS	NS
P3		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
P3		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
P3		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
P3		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
P4	Blue Thick Floor Coating	N	TON-FL37	Blue Thick Floor Coating	NOB	300 SF	NS	NS	NS
P4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	700 SF	NS	NS	NS
P4		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
P4		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
P4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
P4		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
P4	Off White Floor Leveling Compound	N	TON-FL39	Off White Floor Leveling Compound	NOB	10 SF	NS	NS	NS
P5	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	750 SF	NS	NS	NS
P5		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
P5		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
P5		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
P5		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
P5	Off White Floor Leveling Compound	N	TON-FL39	Off White Floor Leveling Compound	NOB	45 SF	NS	NS	NS
P6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	750 SF	NS	NS	NS
P6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
P6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
P6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
P6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
P6	Off White Floor Leveling Compound	N	TON-FL39	Off White Floor Leveling Compound	NOB	90 SF	NS	NS	NS
P7	Black Window Caulk	N	TON-CK50	Black Window Caulk	NOB	3 LF	P7-1	11/7/2013	< 1.0%
P7	Galbestos	Y	TON-GB41	Galbestos Debris	NOB	1,000 SF	NS	NS	NS
P7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
P7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
P7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
P7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
P7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
P8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
P8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
P8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
P8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
P8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
P9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	600 SF	NS	NS	NS
P9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
P9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
P9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
P9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
P10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,000 SF	NS	NS	NS
P10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
P10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
P10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
P10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
P11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	400 SF	NS	NS	NS
P11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
P11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
P11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
P11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
P12	No PACM or SACM Encountered								
P13	No PACM or SACM Encountered								
Q1	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,600 SF	NS	NS	NS
Q1		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
Q1		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
Q1		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
Q1		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
Q2	Miscellaneous Roofing Debris	N	TON-RM05	Black Rolled Roofing	NOB	1,300 SF	NS	NS	NS
Q2		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
Q2		N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
Q2		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
Q2		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
Q3	No PACM or SACM Encountered								
Q4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	700 SF	NS	NS	NS
Q4		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
Q4		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
Q4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
Q4		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
Q4	Off White Floor Leveling Compound	N	TON-FL39	Off White Floor Leveling Compound	NOB	10 SF	NS	NS	NS
Q5	Miscellaneous Roofing Debris	N	TON-RM05	Black Rolled Roofing	NOB	600 SF	NS	NS	NS
Q5		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
Q5		N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
Q5		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
Q5		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
Q6	No PACM or SACM Encountered								
Q7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	400 SF	NS	NS	NS
Q7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
Q7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
Q7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
Q7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
Q8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	2,500 SF	NS	NS	NS
Q8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
Q8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
Q8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
Q8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
Q9	Miscellaneous Roofing Debris	N	TON-RM05	Black Rolled Roofing	NOB	500 SF	NS	NS	NS
Q9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
Q9		N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
Q9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
Q9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
Q10	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
Q10		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
Q10		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
Q10		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
Q10		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
Q11	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	100 SF	NS	NS	NS
Q11		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
Q11		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
Q11		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
Q11		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
Q12	No PACM or SACM Encountered								
Q13	No PACM or SACM Encountered								
R1	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	300 SF	NS	NS	NS
R1		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
R1		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
R1		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
R1		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
R2	Miscellaneous Roofing Debris	N	TON-RM05	Black Rolled Roofing	NOB	300 SF	NS	NS	NS
R2		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
R2		N	TON-RM02	Black Tar Paper Roofing	NOB		NS	NS	NS
R2		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
R2		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
R3	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	400 SF	NS	NS	NS
R3		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
R3		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
R3		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
R3		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
R4	Black Wrapped Pipe Insulation Overhead	Y (Presumed)	TON-TI54	Black Wrapped Pipe Insulation Overhead	Friable	10 LF	NS (Inaccessible) Presumed ACM		
R4	Grey Pipe Seam Caulk	N	TON-CK51	Grey Pipe Seam Caulk	NOB	3 LF	R4-1 & R4-2	11/7/2013	< 1.0%
R4	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	1,500 SF	NS	NS	NS
R4		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
R4		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
R4		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
R4		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
R4	Silver Backing to Fiberglass Insulation	N	TON-TI53	Silver Backing to Fiberglass Insulation	NOB	13 LF	R4-6, R4-7 & R4-8	11/8/2013	< 1.0%
R4	White Mud Insulation	Y	TON-TI52	White Mud Insulation	Friable	4 SF	R4-3, R4-4 & R4-5	11/8/2013	6.7%
R5	Galbestos	Y	TON-GB41	Galbestos Debris	NOB	8 SF	NS	NS	NS
R5	Grey Pipe Seam Caulk	N	TON-CK51	Grey Pipe Seam Caulk	NOB	5 LF	NS	NS	NS
R5	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
R5		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
R5		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
R5		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
R5		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
R6	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	500 SF	NS	NS	NS
R6		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
R6		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
R6		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
R6		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
R7	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	625 SF	NS	NS	NS
R7		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
R7		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
R7		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
R7		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS

TABLE 1

**Summary of Yard Survey for Asbestos Containing Material
Tonawanda Forge Site
Tonawanda, New York**

Grid ID	General Material Description	Asbestos Containing Material (Y/N)	Area ID	Area Description	Friable or NOB	Estimated Quantity	Sample #	Sample Date	Sample Result
R8	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	750 SF	NS	NS	NS
R8		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
R8		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
R8		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
R8		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
R9	Miscellaneous Roofing Debris	N	TON-RM02	Black Tar Paper Roofing	NOB	200 SF	NS	NS	NS
R9		N	TON-RM05	Black Rolled Roofing	NOB		NS	NS	NS
R9		N	TON-RM06	Black Coating on Foam	NOB		NS	NS	NS
R9		Y	TON-RM01	Black Built Up Roofing	NOB		NS	NS	NS
R9		Y	TON-RM03	Black Roof Shingles	NOB		NS	NS	NS
R10	No PACM or SACM Encountered								
R11	No PACM or SACM Encountered								
R12	No PACM or SACM Encountered								
R13	No PACM or SACM Encountered								
S1	No PACM or SACM Encountered								
S2	No PACM or SACM Encountered								
S3	No PACM or SACM Encountered								
S4	Black Built Up Roofing 2	Y	TON-RM55	Black Built Up Roofing 2	NOB	225 SF	S4-1 & S4-2	11/8/2013	8.4%
S4	Grey Penetration Flashing	Y	TON-RM56	Grey Penetration Flashing	NOB	6 LF	S4-3 & S4-4	11/8/2013	5.7%
S4	Grey Perimeter Flashing	Y	TON-RM58	Grey Perimeter Flashing	NOB	60 LF	S4-8 & S4-9	11/8/2013	4.0%
S4	White Fiberglass Backing	N	TON-TI57	White Fiberglass Backing	NOB	15 LF	S4-5, S4-6 & S4-7	11/8/2013	< 1.0%
S5	Black Coating over Fiberglass	N	TON-TI59	Black Coating over Fiberglass	NOB	500 SF	S5-1, S5-2 & S5-3	11/8/2013	< 1.0%
S6	No PACM or SACM Encountered								
S7	No PACM or SACM Encountered								
S8	No PACM or SACM Encountered								
S9	No PACM or SACM Encountered								
S10	No PACM or SACM Encountered								
S11	No PACM or SACM Encountered								
S12	No PACM or SACM Encountered								
S13	No PACM or SACM Encountered								
T1	No PACM or SACM Encountered								
T2	No PACM or SACM Encountered								
T3	No PACM or SACM Encountered								
T4	No PACM or SACM Encountered								
T5	No PACM or SACM Encountered								
T6	No PACM or SACM Encountered								
T7	No PACM or SACM Encountered								
T8	No PACM or SACM Encountered								
T9	No PACM or SACM Encountered								
T10	No PACM or SACM Encountered								
T11	No PACM or SACM Encountered								

Total ACM 136,115 SF

Total ACM 2,738 LF

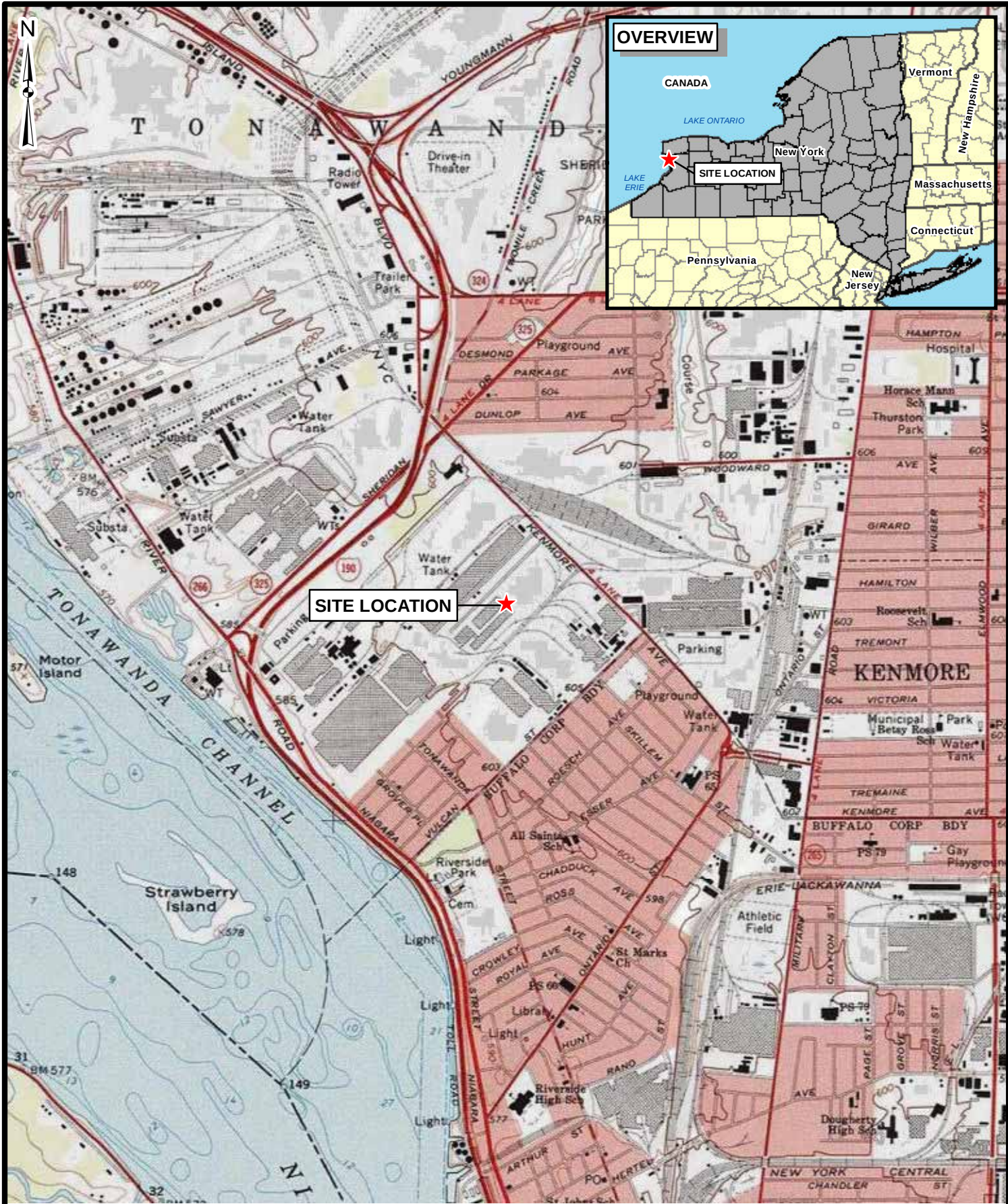
= Item(s) are Asbestos Containing Material (ACM) (> 1% Asbestos), as defined by 12 NYCRR Part 56-2.1(p)

= Item(s) are not ACM; however, they are intermingled with ACM and therefore should be treated as such.

NOB = Non-Friable Organically Bound; NS = Not Sampled; PACM = Presumed Asbestos Containing Material

SACM = Suspect Asbestos Containing Material; SF = Square Feet; LF = Linear Feet

FIGURES



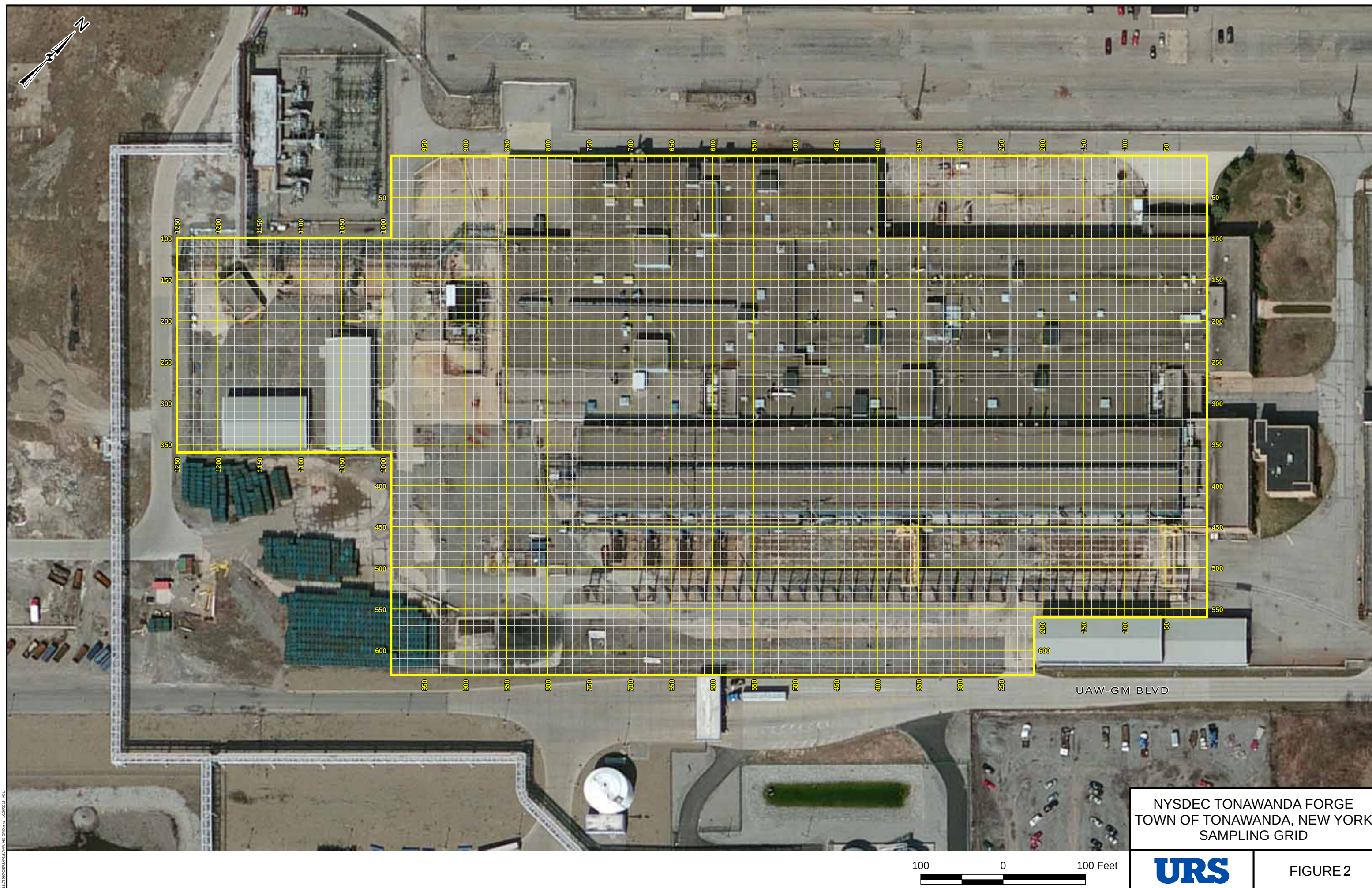
Source: © 2011 National Geographic TOPO!

2,000 0 2,000 Feet



NYSDEC TONAWANDA FORGE
TOWN OF TONAWANDA, NEW YORK
SITE LOCATION

FIGURE 1



APPENDIX A

URS CERTIFICATIONS

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

URS Corporation-New York
Ste 600
One Penn Plaza

New York, NY 10119

FILE NUMBER: 05-0274
LICENSE NUMBER: 28573
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 03/28/2013
EXPIRATION DATE: 03/31/2014

Duly Authorized Representative – Danielle Schaefer:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

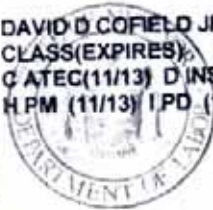


Eileen M. Franko, Acting Director
For the Commissioner of Labor

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



DAVID D. CORFIELD JR
CLASS(EXPIRES)
C ATEC(11/13) D INSP(11/13)
H PM (11/13) I PD (11/13)



CERT# 91-06346
DMV# 407190051

MUST BE CARRIED ON ASBESTOS PROJECTS



EYES BRO
HAIR BLK
HGT 5' 07"

IF FOUND RETURN TO:
NYS DOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE





KEVIN MCGOVERN
CLASS(EXPIRES)
C ATEC(10/14) D INSP(10/14)
H PM (10/14)

CERT# 59-01197
DMV# 722502282

MUST BE CARRIED ON ASBESTOS PROJECTS




01213 000018041-43

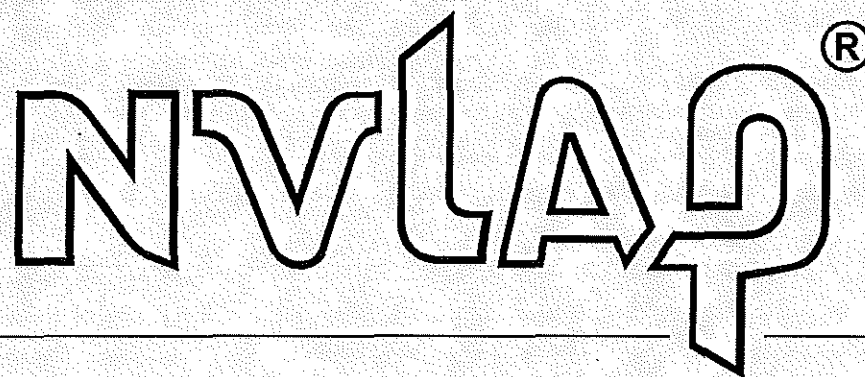
EYES BLU
HAIR BRO
HGT 6' 01"

IF FOUND RETURN TO:
NYSDEL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

APPENDIX B

LABORATORY CERTIFICATION

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101143-0

AMA Analytical Services, Inc.
Lanham, MD

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2013-07-01 through 2014-06-30

Effective dates



A handwritten signature in black ink, appearing to read "William R. Mule".

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AMA Analytical Services, Inc.
4475 Forbes Blvd.
Lanham, MD 20706
Mr. Andreas Saldivar
Phone: 301-459-2640 Fax: 301-459-2643
E-Mail: andreas@amalab.com
URL: <http://www.amalab.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101143-0

NVLAP Code Designation / Description

18/A01 EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2013-07-01 through 2014-06-30

Effective dates

For the National Institute of Standards and Technology

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM, MD 20706

NY Lab Id No: 10920

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Metals I

Lead, Total EPA 7000B

Miscellaneous

Asbestos In Friable Material EPA 600/M4/82/020
Item 198.1 of Manual

Asbestos In Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)

Asbestos In Non-Friable Material-TEM Item 198.4 of Manual

Lead In Dust Wipes EPA 7000B

Lead In Paint EPA 7000B

Sample Preparation Methods

ASTM E-1979-04
EPA 600/R-93/200

Serial No.: 48455

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

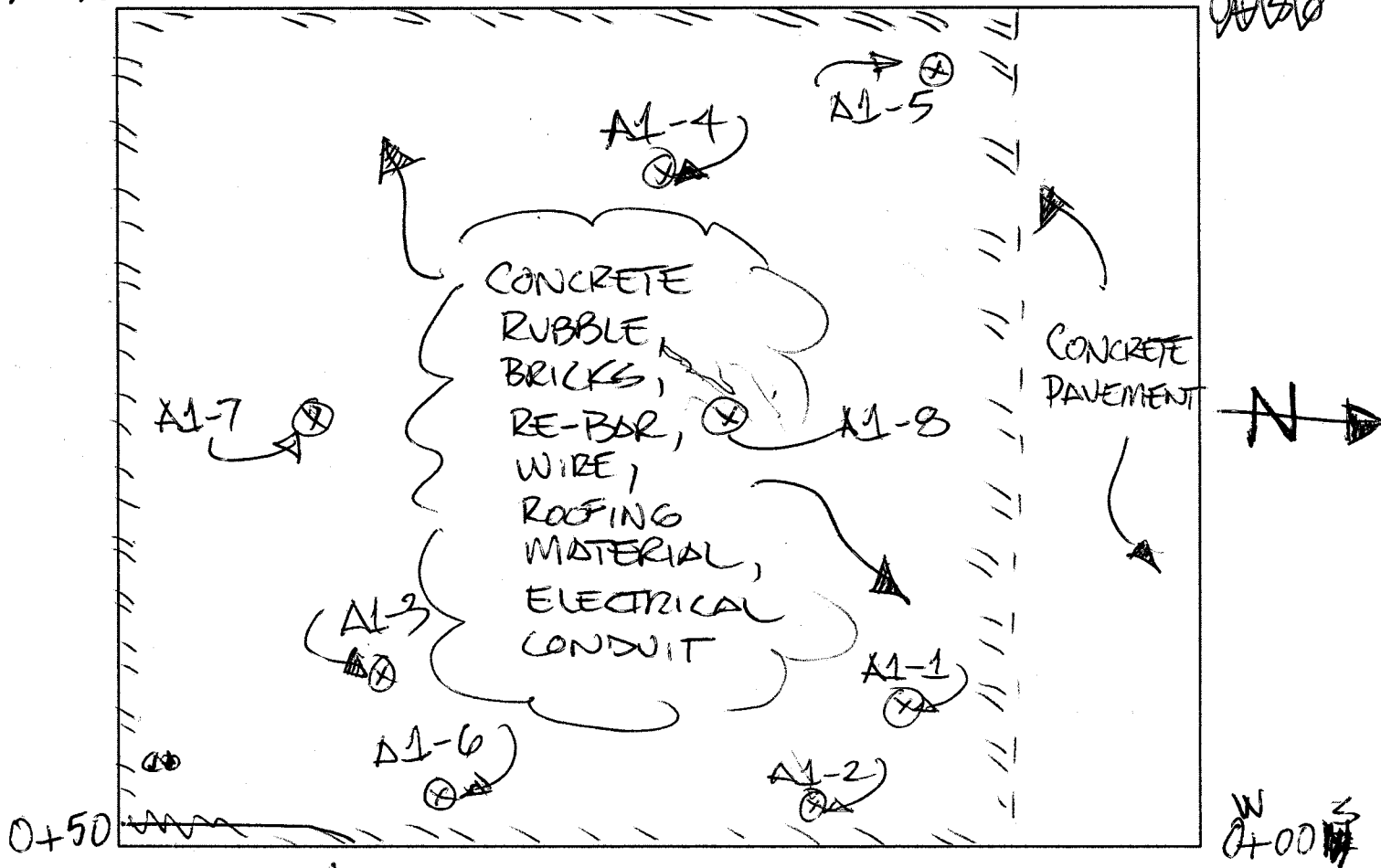
APPENDIX C

GRID SQUARE SUMMARY SHEETS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

W S
50+50

W S
50+0 S
0+50



Grid Location: A1

Map Coordinates: N 0 -N 50 E 0 -E 50

Description: CED DEBRIS WEST & NORTH OF BLDG

PACM Identified: BLACK BUILT-UP ROOFING, BLACK TAR PAPER ROOFING MAT'L
BLACK ROOF SHINGLES, WHITE/GRAY PARTICULATES, BLACK ROLLED ROOFING

Bulk Samples Collected:

(Yes)

No

BLACK COATING ON FOAM
GRAY FLOOR TILE (12X12")
SILVER-COATED MESH ON
BUILT-UP ROOFING

Sample Information:

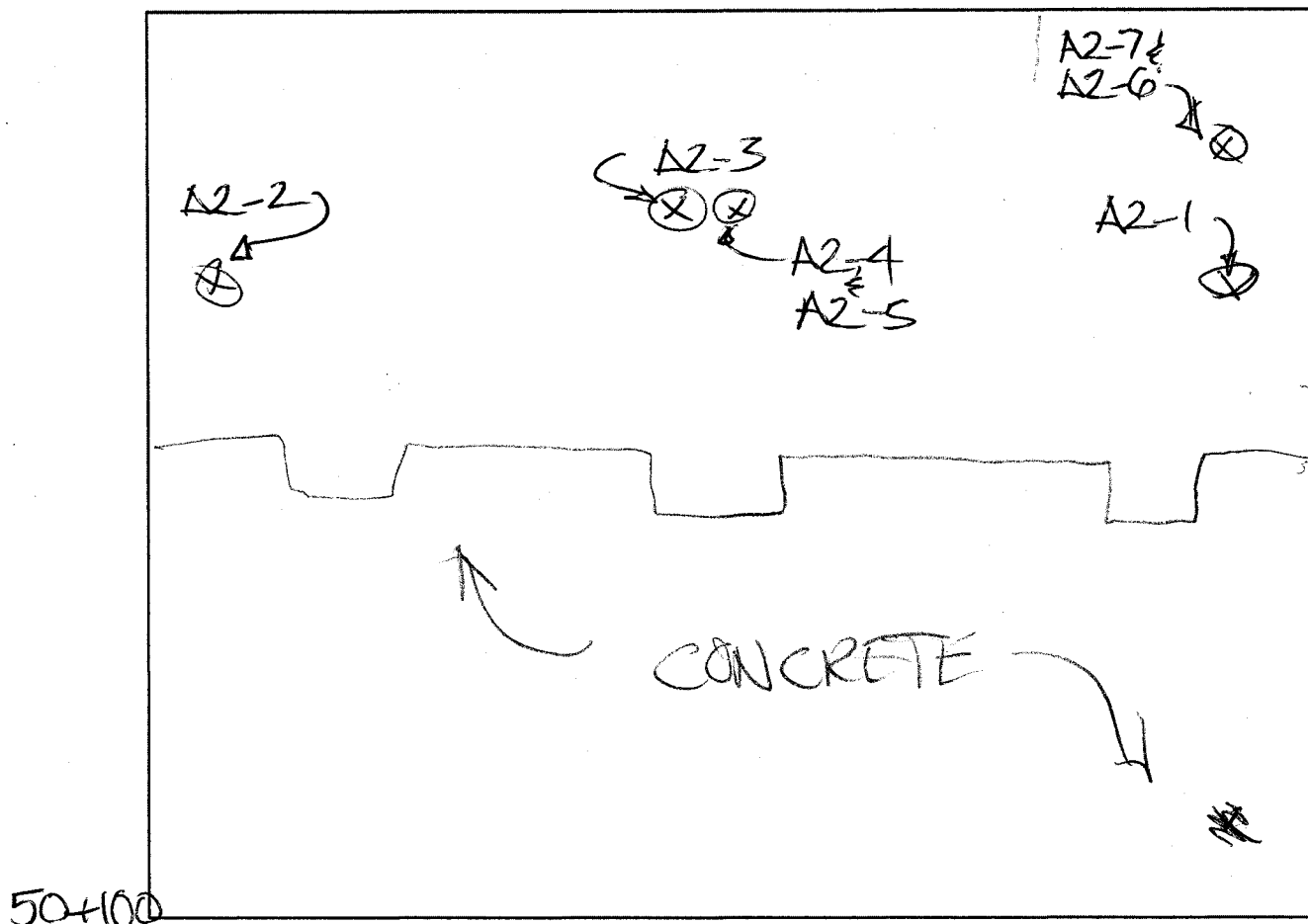
Sample Number	Date	Time	Description
A1-1	11-1-13	1345	BUILT-UP ROOFING
A1-2	↓	1347	TAR PAPER
A1-3	↓	1349	ROOF SHINGLES
A1-4	11-1-13	1351	PARTICULATES

A1-5	↓	1353	ROLLED ROOFING
A1-6	↓	1355	COATING ON FOAM
A1-7	11-1-13	1357	FLOOR TILE
A1-8	11-1-13	1400	SILVER COATED MESH ON BUILT-UP ROOFING

W
50+50 S

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

W
0+50 S



Grid Location: A2

Map Coordinates: N -N E -E

Description: C&D DEBRIS IN NORTHEAST AREA OF SITE

PACM Identified: BROWN LAYERED BOARD, BROWN/BLACK THICK GASKET, BLACK COATING ON BRICK, TAN SPECKLED FLOOR TILE & MASTIC, GRAY SPECKLED FLOOR TILE & MASTIC

Bulk Samples Collected:

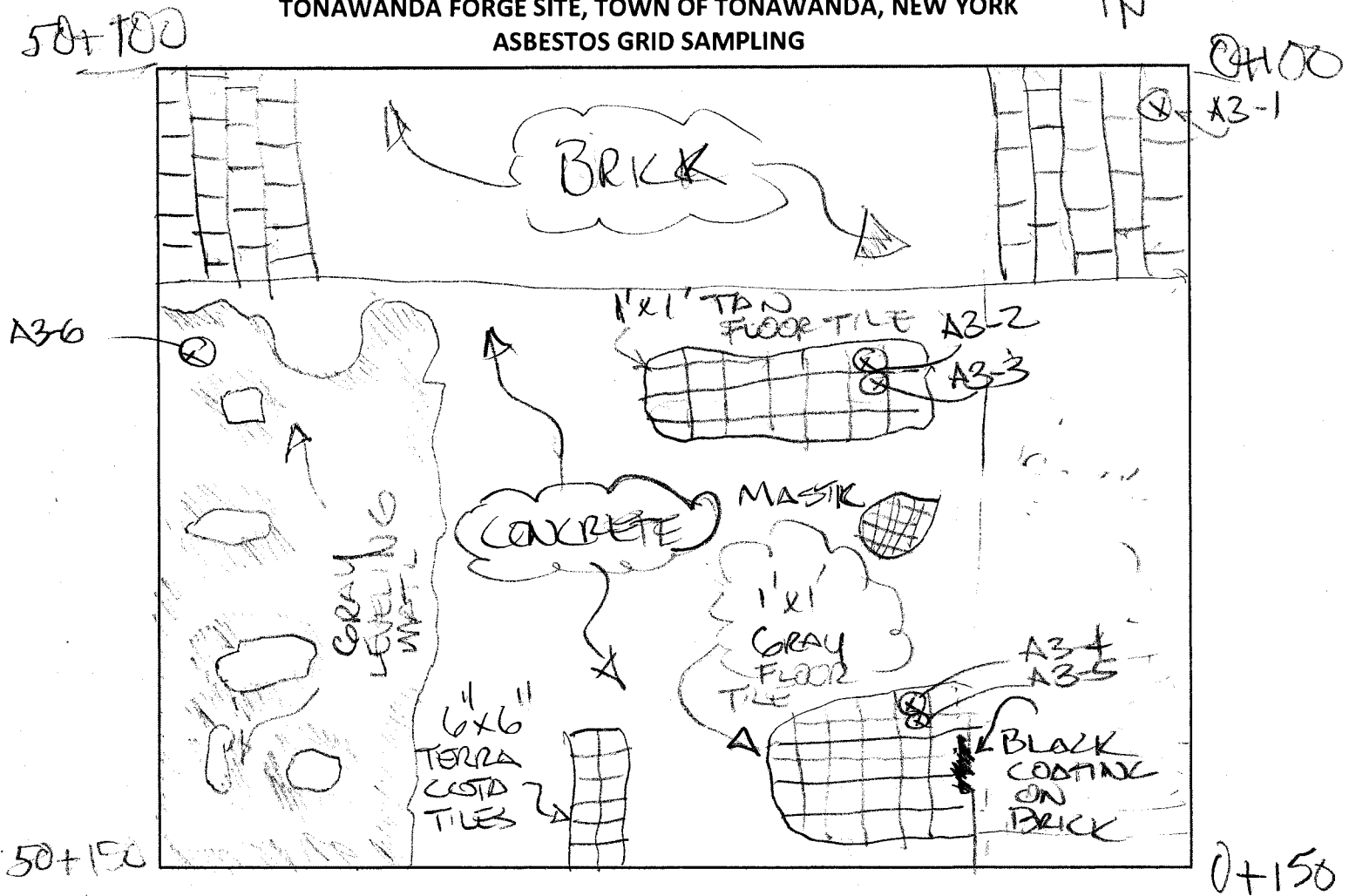
(Yes)

No

Sample Information:

Sample Number	Date	Time	Description
A2-1	11-1-13	1510	LAYERED BOARD
A2-2	11-1-13	1512	GASKET
A2-3		1514	COATING ON BRICK
A2-4		1516	FLOOR TILE
A2-5		1518	BLACK MASTIC
A2-6		1520	FLOOR TILE
A2-7		1520	BLACK MASTIC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location:

A3

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: BLACK COATING ON BRICK, TAN FLOOR TILES/MASTIC, GRAY FLOOR TILE/MASTIC, GRAY LEVELING COMPOUND

Bulk Samples Collected:

Yes

No

Sample Information:

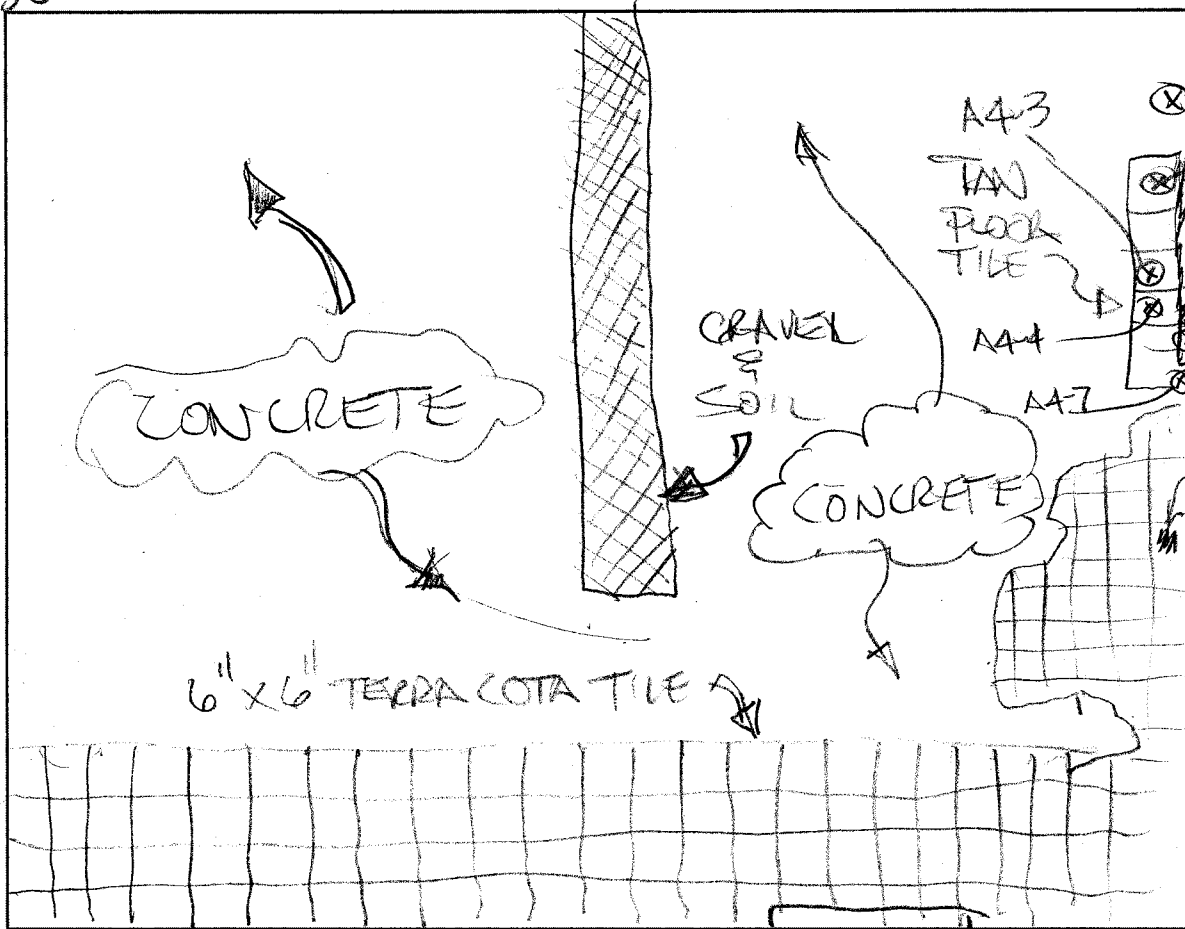
Sample Number	Date	Time	Description
A3-1	11-4-13		BLACK COATING ON BRICK
A3-2			TAN SPECKLED FT
A3-3			MASTIC
A3-4			GRAY SPECKLED FT
A3-5			MASTIC
A3-6			GRAY LEVELING COMPOUND



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

50+150

04150



Grid Location: A4

Map Coordinates: N -N E -E

Description:

PACM Identified: BLACK COATING ON FOAM, DRY WALL DEBRIS (THICK)
TAN TERRAZZO TILE, MASTIC, RUBBER COVE MOLDING / MASTIC

Bulk Samples Collected:

Yes

No

BLACK ROOFING MATERIAL

Sample Information:

Sample Number	Date	Time	Description
A4-1	11-4-13		BLACK COATING ON FOAM
A4-2			DRY WALL DEBRIS THICK
A4-3			TAN FLOOR TILE
A4-4			MASTIC

A4-5

A4-6

A4-7

RUBBER COVE MOLDING
& MASTIC

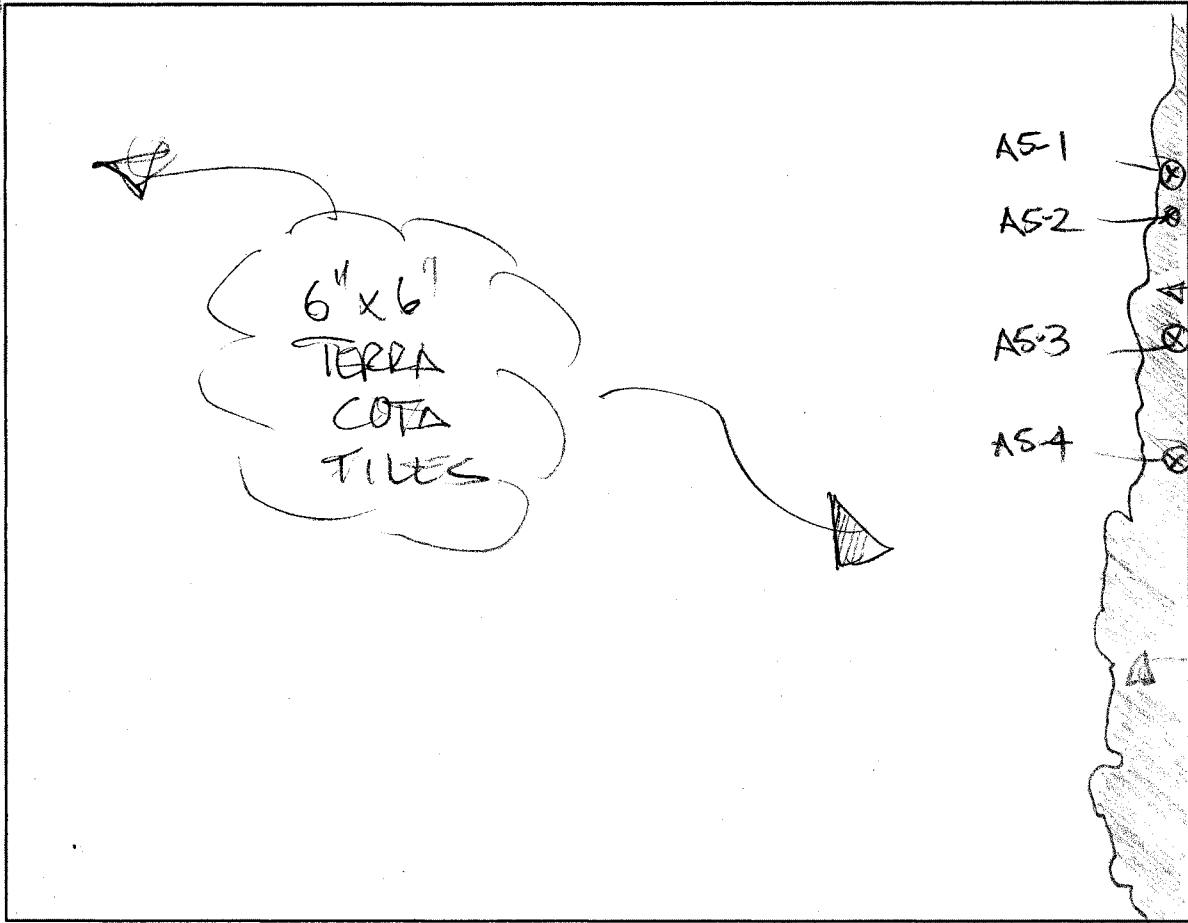
BLACK ROOFING MATERIAL

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



200+50

0+200



250+50

0+250

Grid Location: AS

Map Coordinates: N -N E -E

Description:

PACM Identified: ^{DRY WALL} DRY WALL, JOINT COMPOUND, BLACK COVE BASE MOLDING, ~~BLACK~~ COVE BASE MASTIC

~~WHITE~~ Bulk Samples Collected: Yes No

Sample Information:

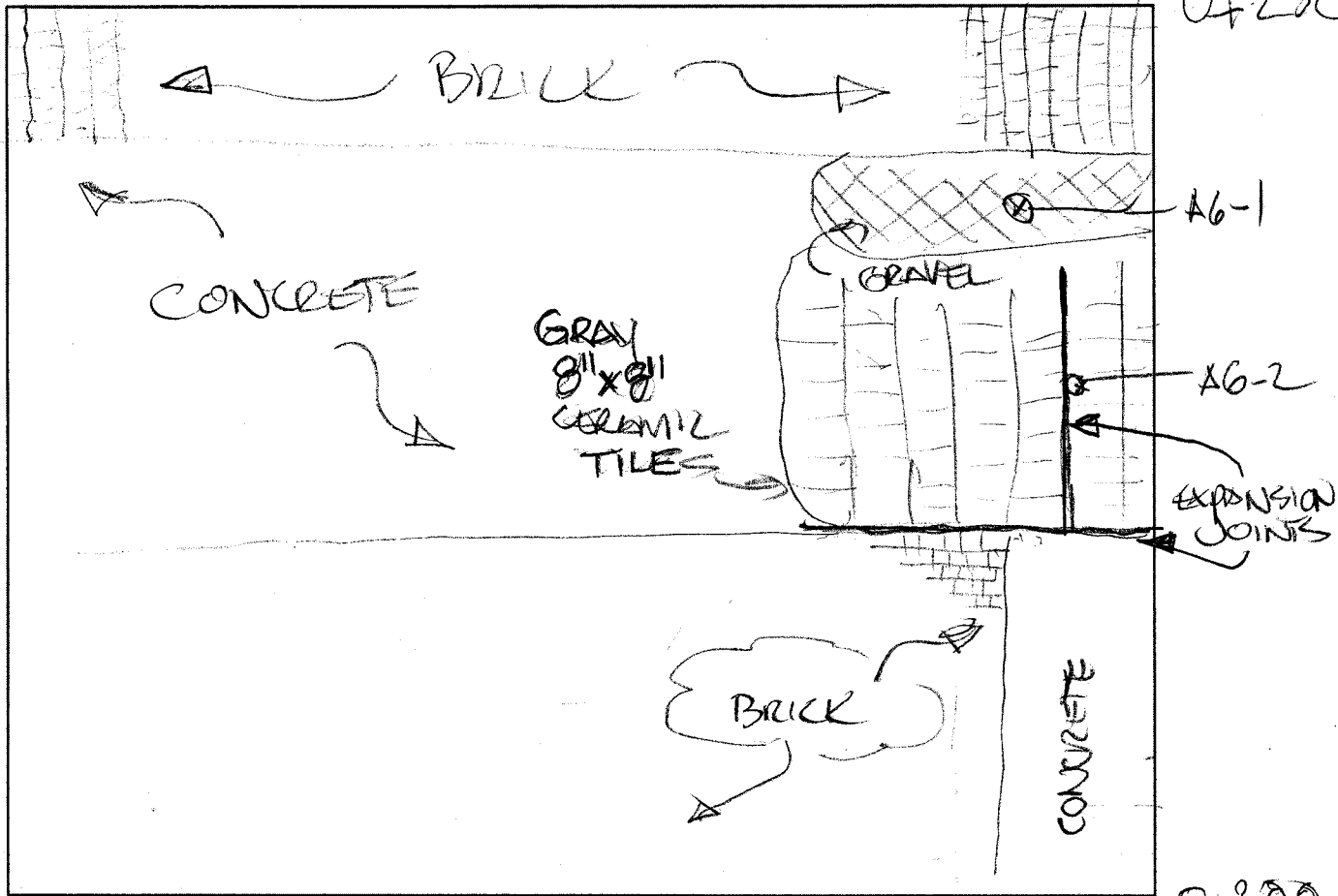
Sample Number	Date	Time	Description
AS-1	11-4-13		DRY WALL
AS-2			DRY WALL JOINT COMPOUND
AS-3			COVE BASE MOLDING
AS-4			MASTIC



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

50+250

0+250



5 0+300

0+300

Grid Location:

A6

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: DRY WALL, ^{BRICK} EXPANSION JOINT

Bulk Samples Collected:

Yes

No

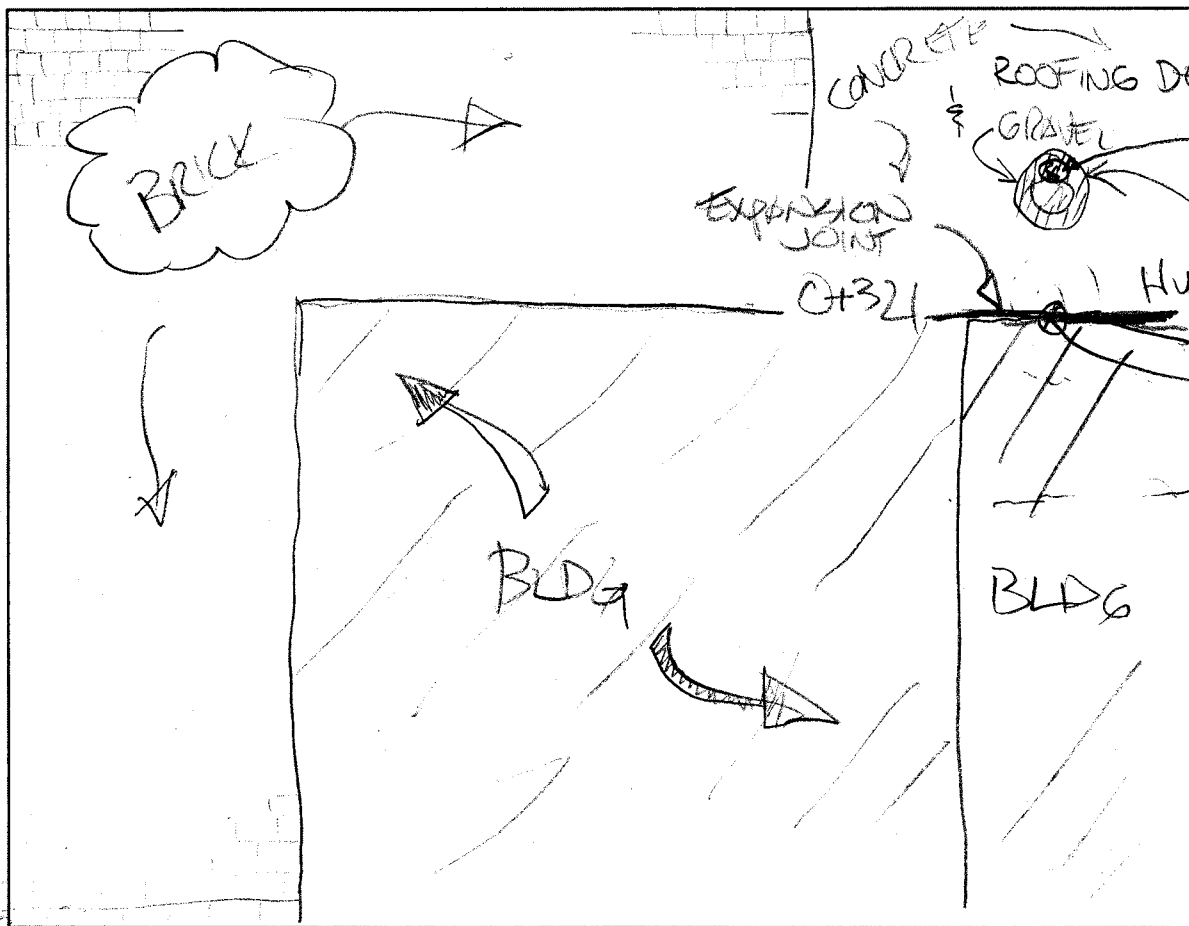
Sample Information:

Sample Number	Date	Time	Description
A6-1	11-4-13		DRY WALL
A6-2	11-4-13		EXPANSION JOINT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

50+300

0+300



50+350

0+350

Grid Location:

A7

Map Coordinates: N

-N

E

-E

Description:

BLACK COATING ON FOAM INSULATION, EXPANSION JOINT

PACM Identified:

Bulk Samples Collected:

Yes

No

Sample Information:

Sample Number	Date	Time	Description
A7-1	11-4-13		FOAM
A7-2	11-4-13		EXPANSION JOINT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

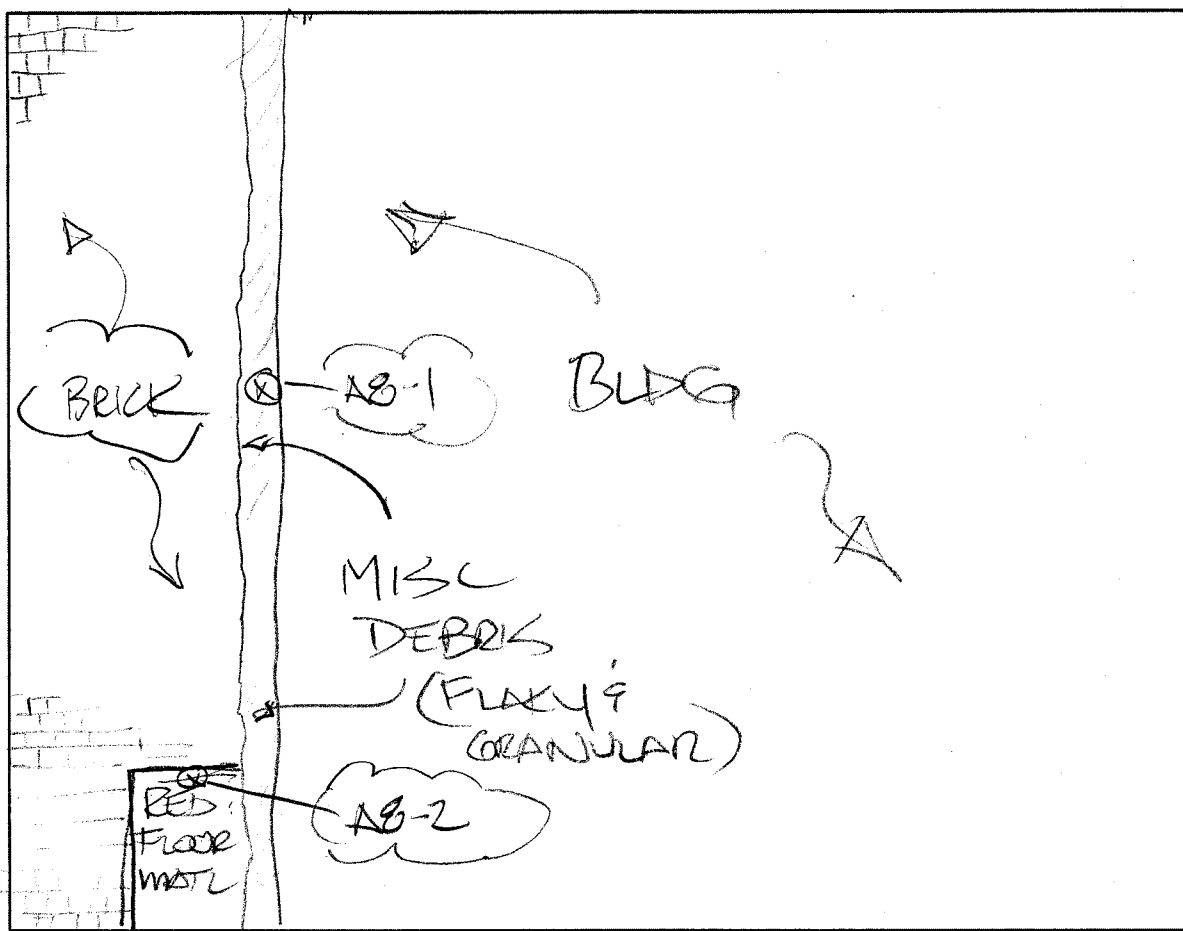


50+350

0+350

50+400

0+400



Grid Location:

AB

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS, RED FLOOR COATING MATERIAL

Bulk Samples Collected:

Yes

No

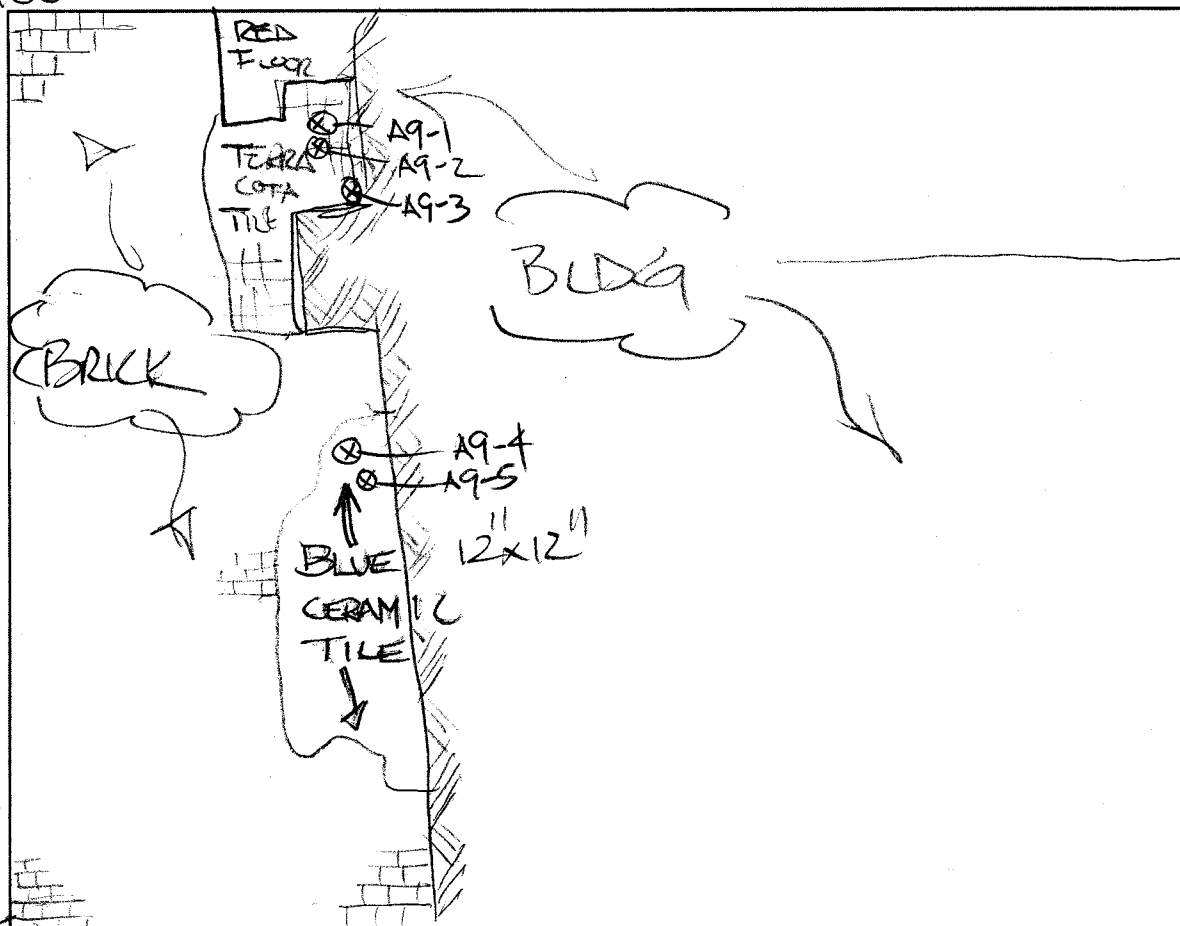
Sample Information:

Sample Number	Date	Time	Description
AB-1	11-4-13		MISC DEBRIS
AB-2	11-4-13		RED FLOOR COATING

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

50+400

0+400



50+450

0+450

Grid Location: A9

Map Coordinates: N -N E -E

Description:

PACM Identified: TERRA COTA MASTIC & GROUT, TERRA COTA COVE BASE MASTIC
BLUE TILE MASTIC (TAN), BLUE TILE GROUT

Bulk Samples Collected: Yes No

Sample Information:

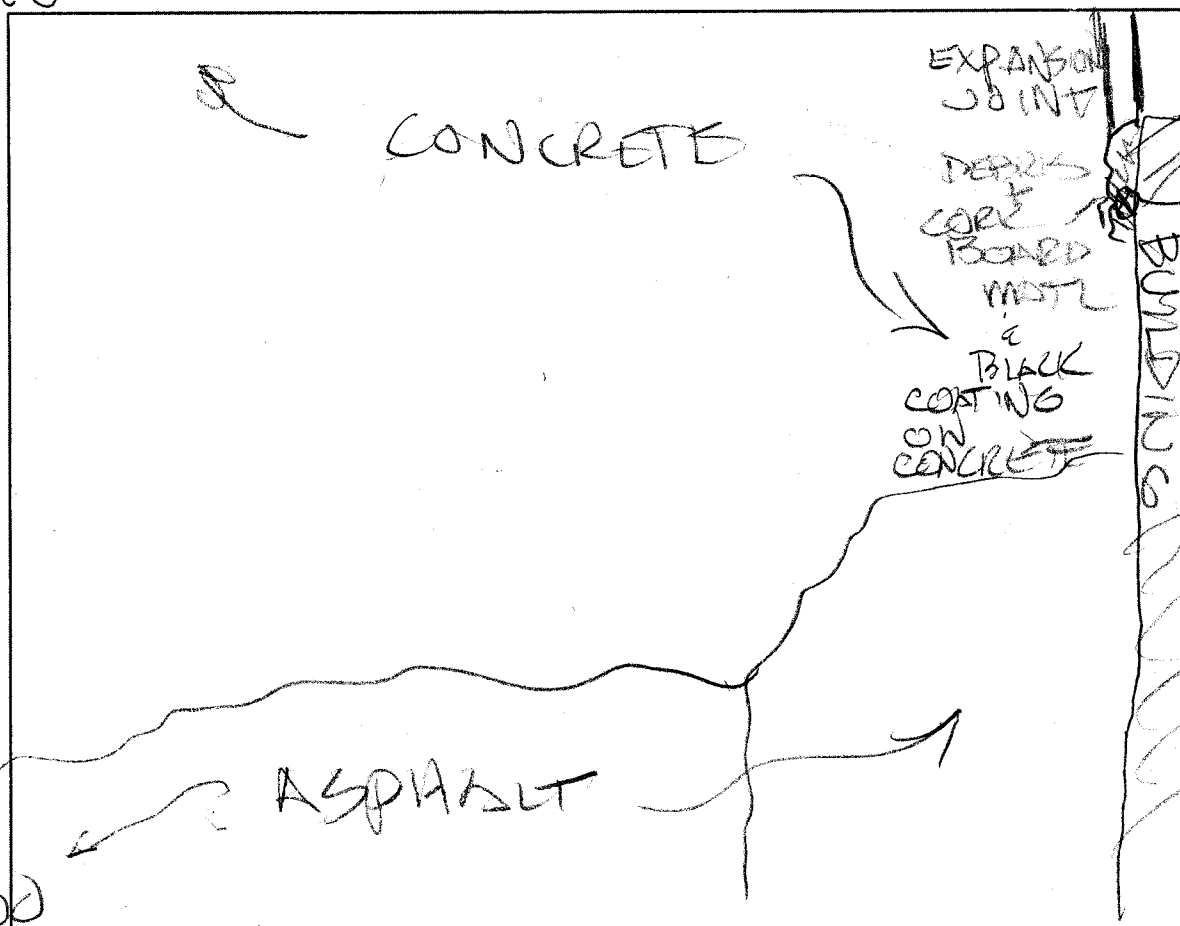
Sample Number	Date	Time	Description
A9-1	11-4-13		TERRA COTA MASTIC
A9-2	↓		GROUT
A9-3	↓		COVE BASE MASTIC
A9-4	↓		BLUE TILE MASTIC
A9-5	↓		BLUE TILE GROUT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



50+500

0+450



A10-1

0+500

Grid Location: A10

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: CORK BOARD MATL

Bulk Samples Collected:

Yes

No

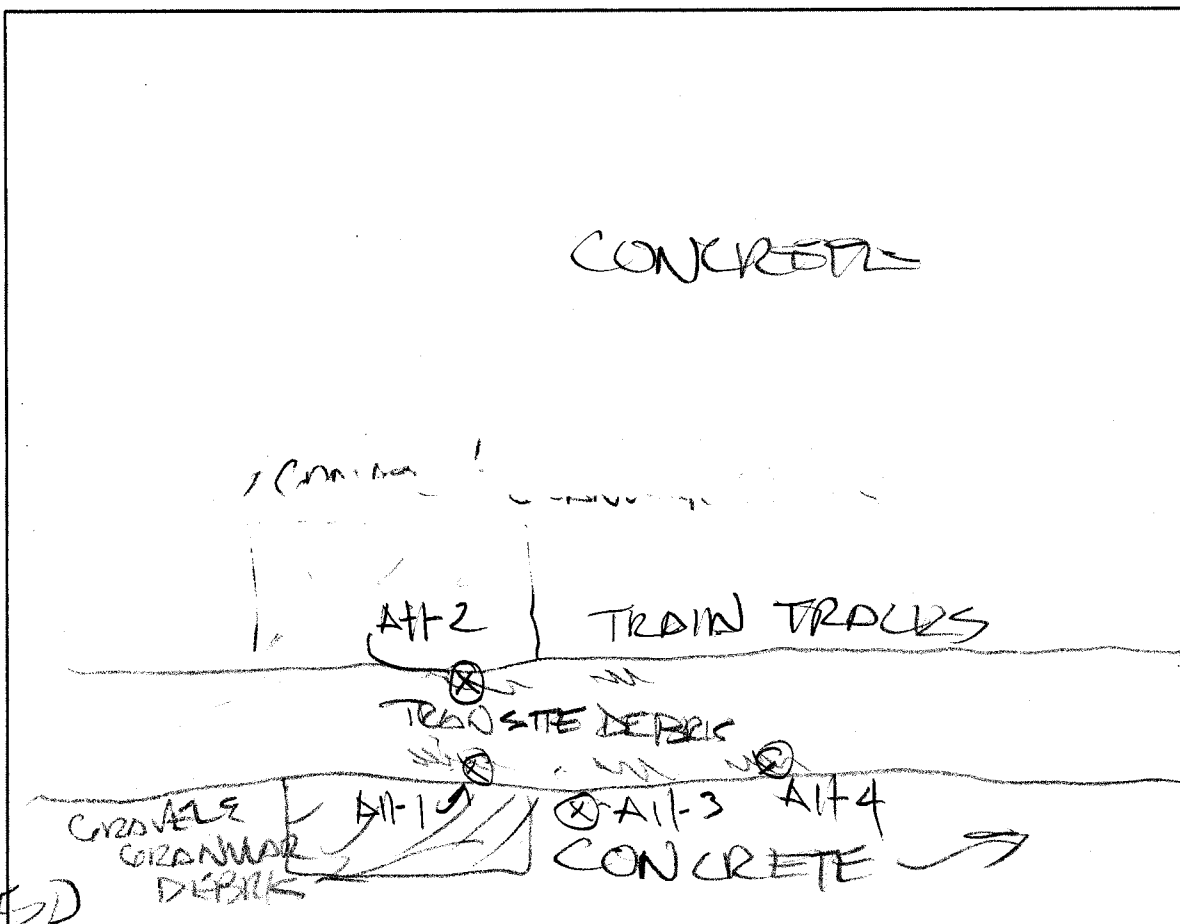
Sample Information:

Sample Number	Date	Time	Description
A10-1	11-4-13		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

50+500

0+500



SUTS 50

Grid Location:

A11

Map Coordinates: N

-N

E

-E

0+550

Description:

PACM Identified:

TRANSITE DEBRIS
BROWN LAYERS

MIXED CORNULAR FLAKY DEBRIS
BOARD, BLACK ROLL ROOFING
BLACK FLASHING CEMENT

Bulk Samples Collected:

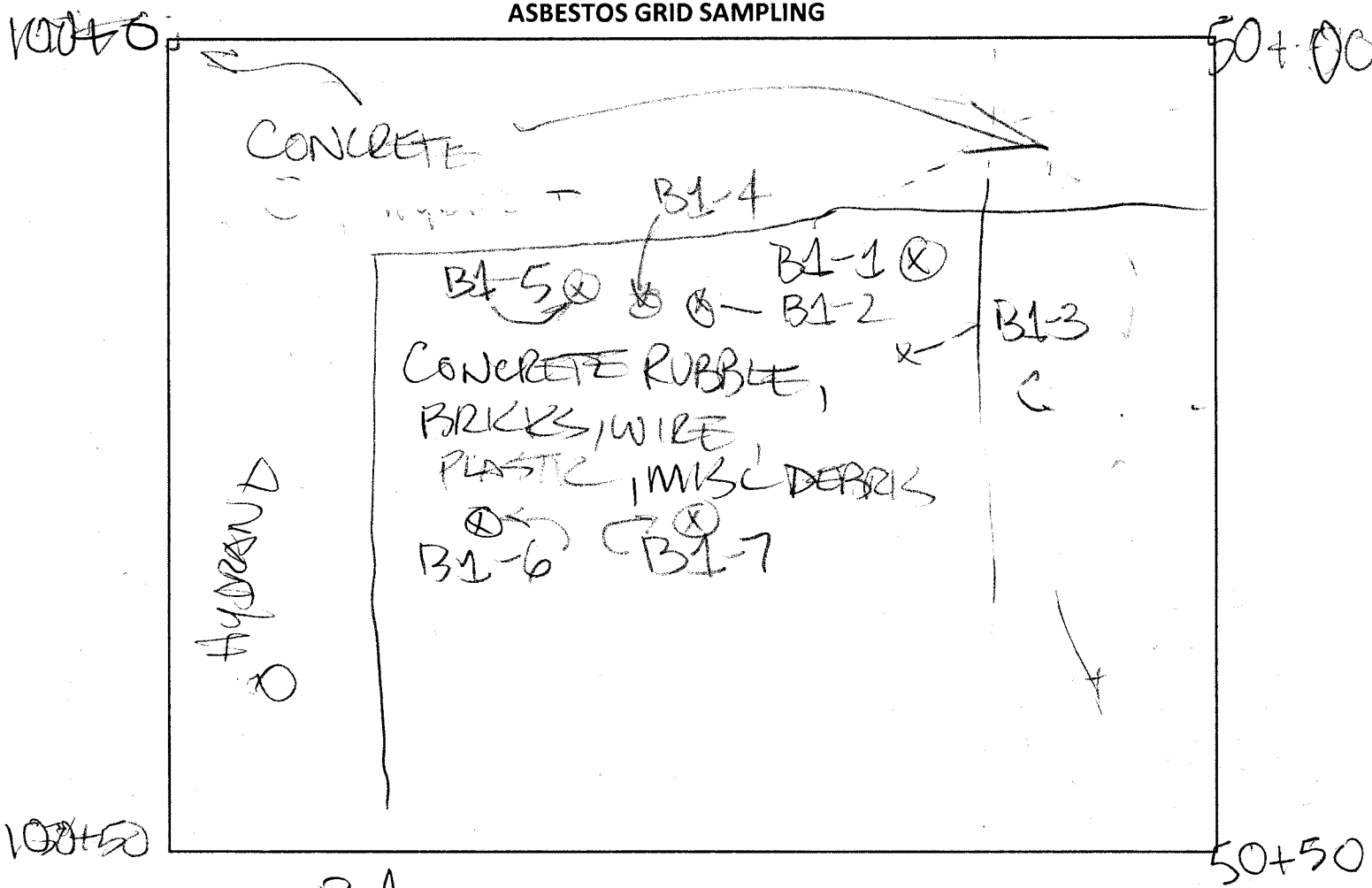
Yes

No

Sample Information:

Sample Number	Date	Time	Description
A1-1	11-4-13		TRANSITE
A1-2	11-4-13		CORNULAR DEBRIS
A1-3	11-4-13		BROWN LAYERS BOARD
A1-4			BLACK ROLL ROOFING
A1-5	↓		BLACK FLASHING CEMENT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: B1

Map Coordinates: N -N E -E

Description:

PACM Identified: BUILT UP ROOFING, BLACK TARPAPER ROOFING, BLACK POOL
SHINGLES, WHITE/GRAY PARTICULATES, BLACK COATED FOAM
Bulk Samples Collected: INSULATION, YES CORROSION, NO FLOOR TILE, SILVER COATED MESH,
TRANSITE BOARD DEBRIS

Sample Information:

Sample Number	Date	Time	Description
B1-1	11-4-13		TRANSITE BOARD DEBRIS
B1-2			BUILT UP ROOFING
B1-3			TAR PAPER
B1-4			ROOF SHINGLE

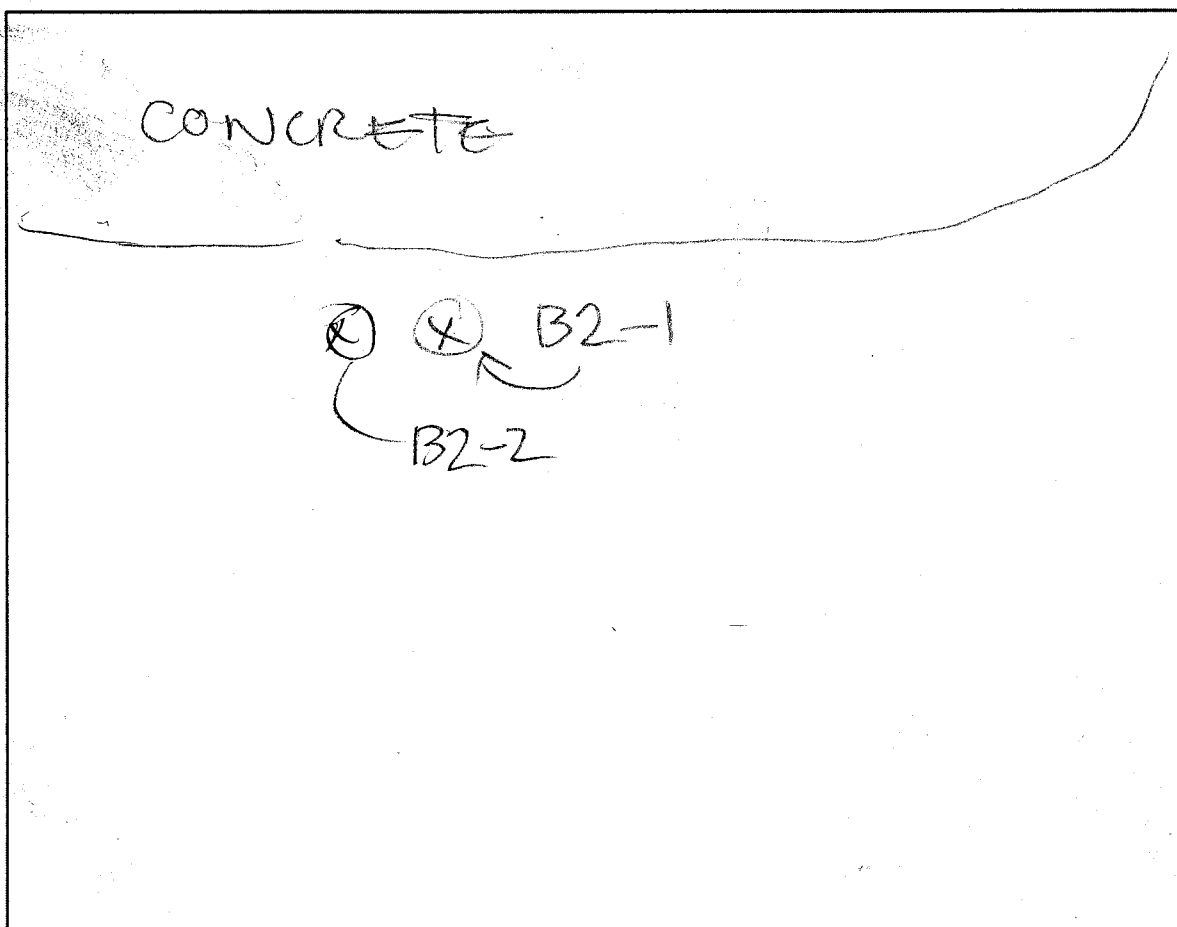
B1-5 PARTICULATES
B1-6 GRAY FLOOR TILE
B1-7 SILVER COATED MESH

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



100+50

50+50



100+100

50+100

Grid Location:

B2

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

SAME AS B1 DESCRIPTION + TAR/FLASHING

Bulk Samples Collected:

Yes

No

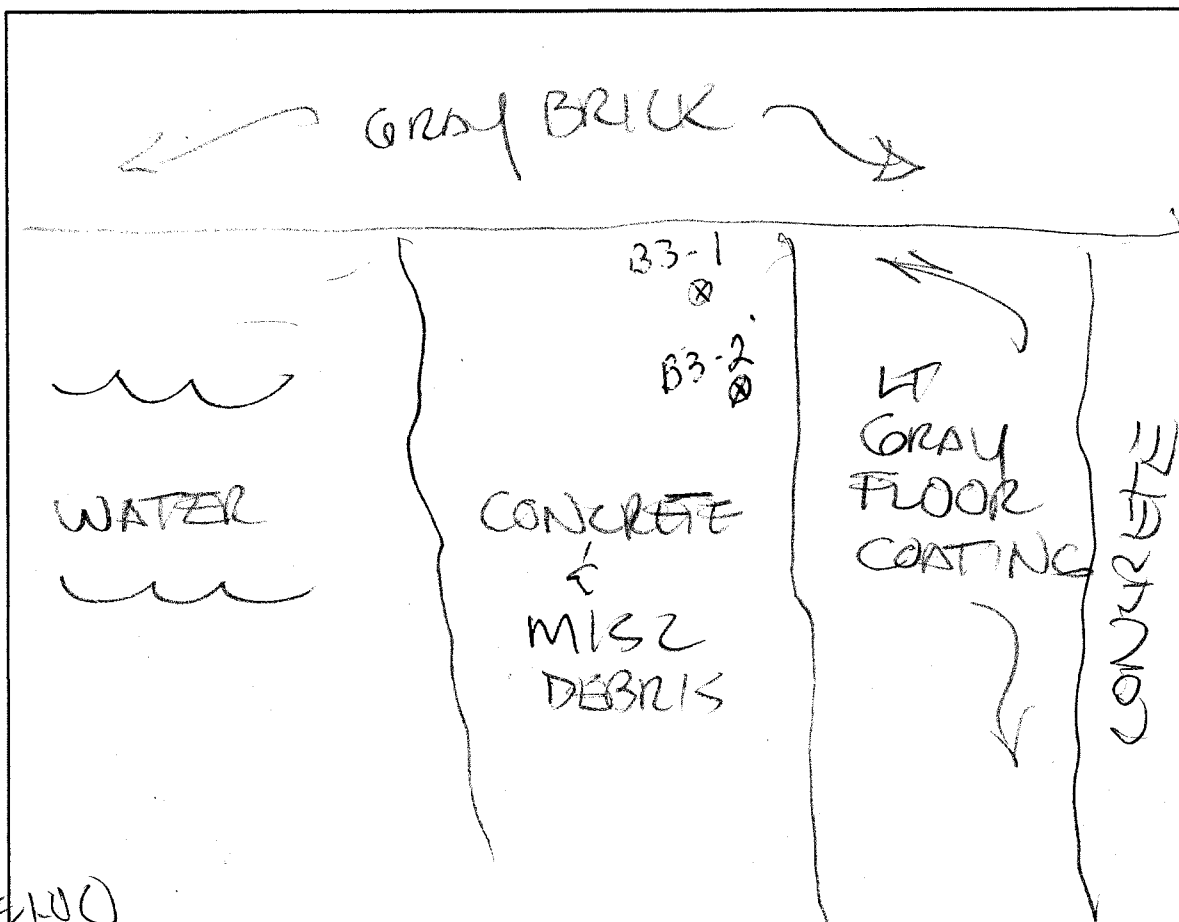
Sample Information:

Sample Number	Date	Time	Description
B2-1	11-4-13		BLACK TAR/FLASHING ON WOOD
B2-2			THICK GASKET MATERIAL

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

100+100

100+50



150+100

150+50

Grid Location: B3

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

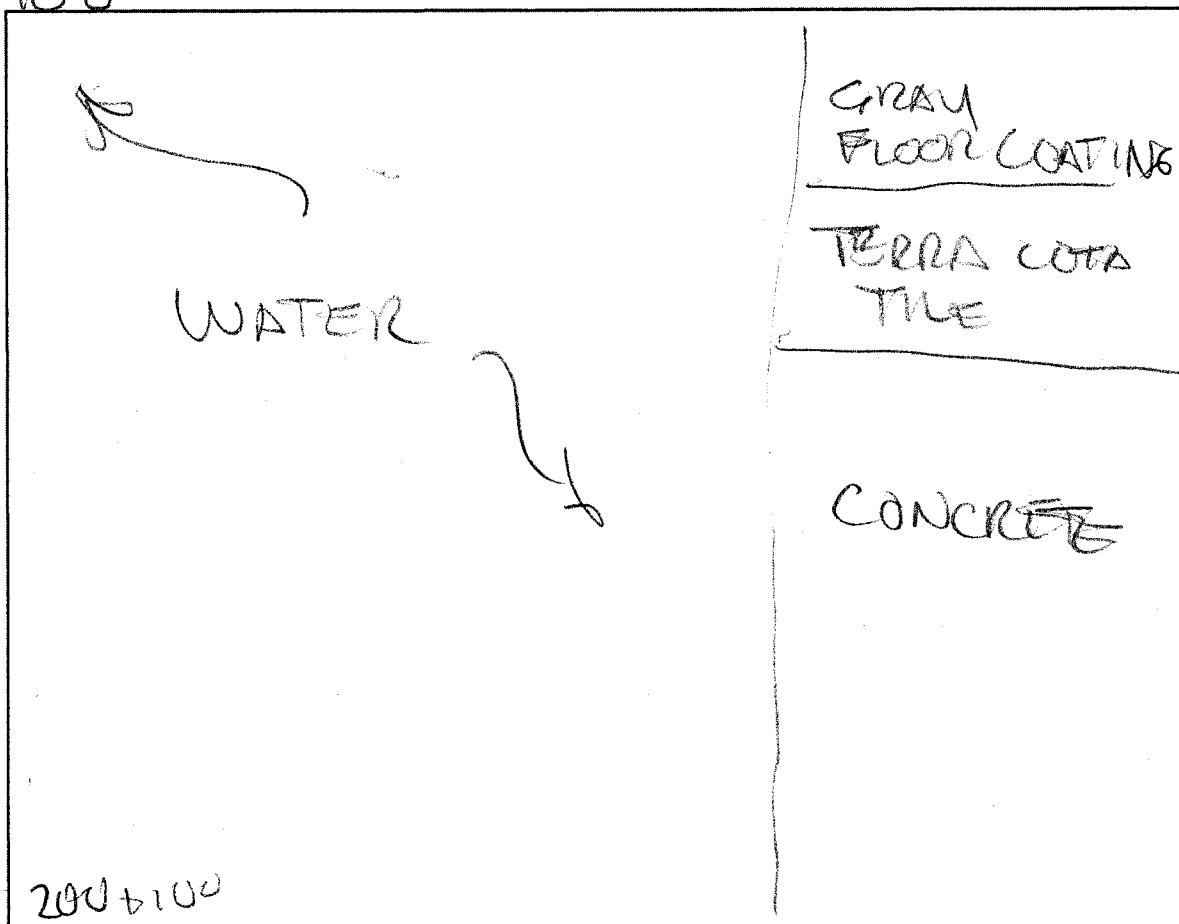
Sample Information:

Sample Number	Date	Time	Description
B3-1	11-4-13		GRAY REFRACTORY BRICK
B3-2			FLOOR COATING

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

1500100

150450



↑ W

Grid Location:

B4

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

Sample Information:

Sample Number	Date	Time	Description

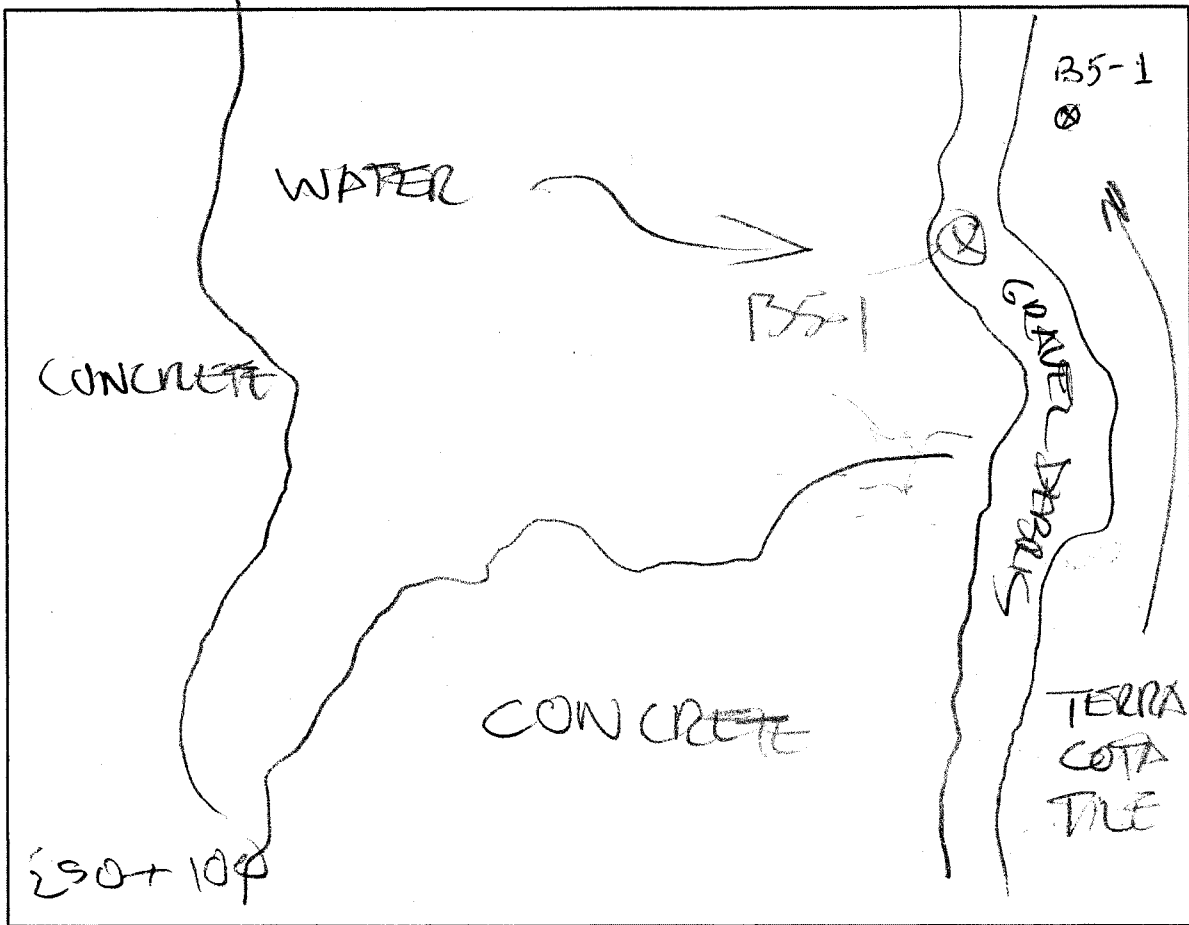
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK

ASBESTOS GRID SAMPLING

200+100

200+50



Grid Location:

BS

Map Coordinates: N

-N

E

-E

250+50

Description:

GRAY SPECKLED FLOOR TILE / MASTIC

PACM Identified:

Bulk Samples Collected:

Yes

No

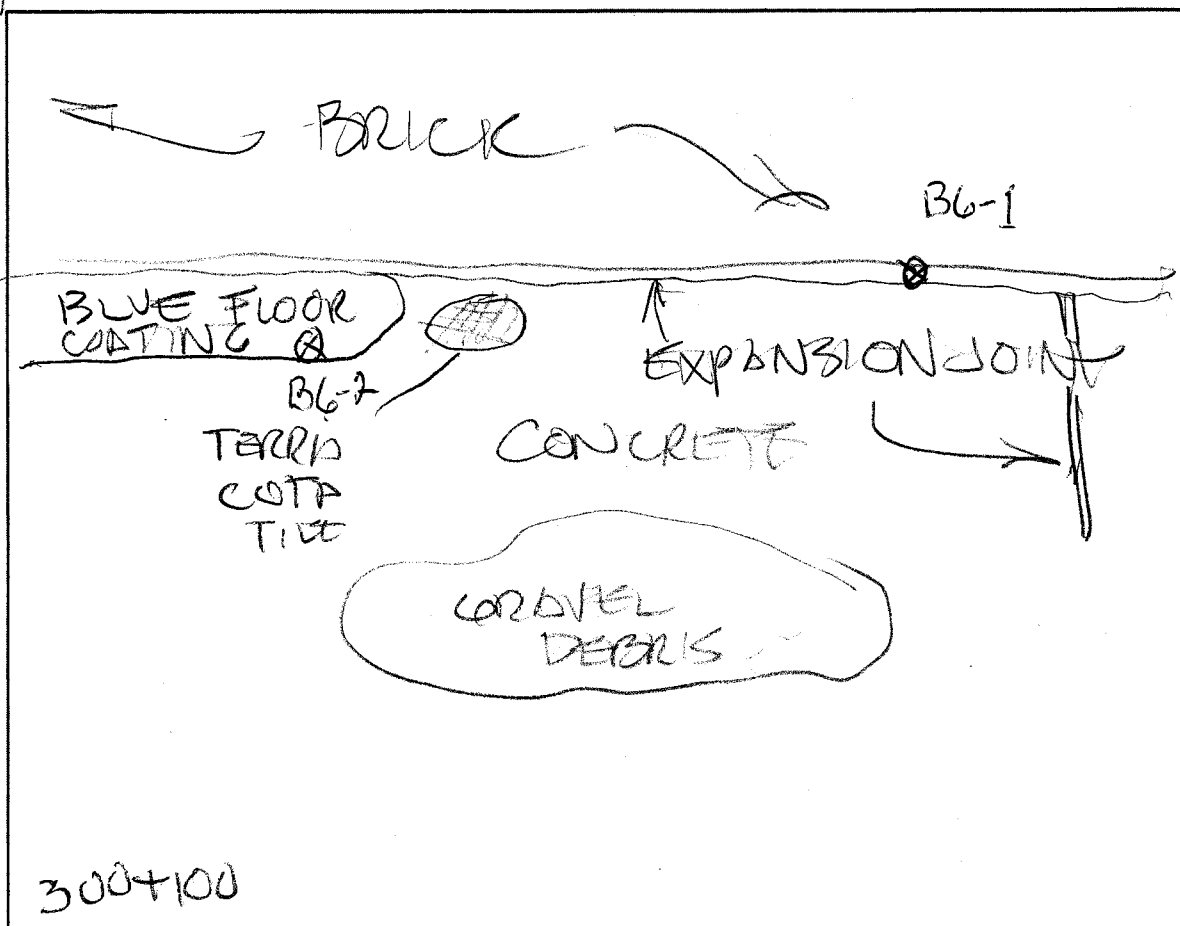
Sample Information:

Sample Number	Date	Time	Description
BS-1	11-4-13		GRAY TILE
BS-2	11-4-13		BLACK MASTIC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

2504100

250450



Grid Location:

B6

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

BLACK EXPANSION JOINT

Bulk Samples Collected:

Yes

No

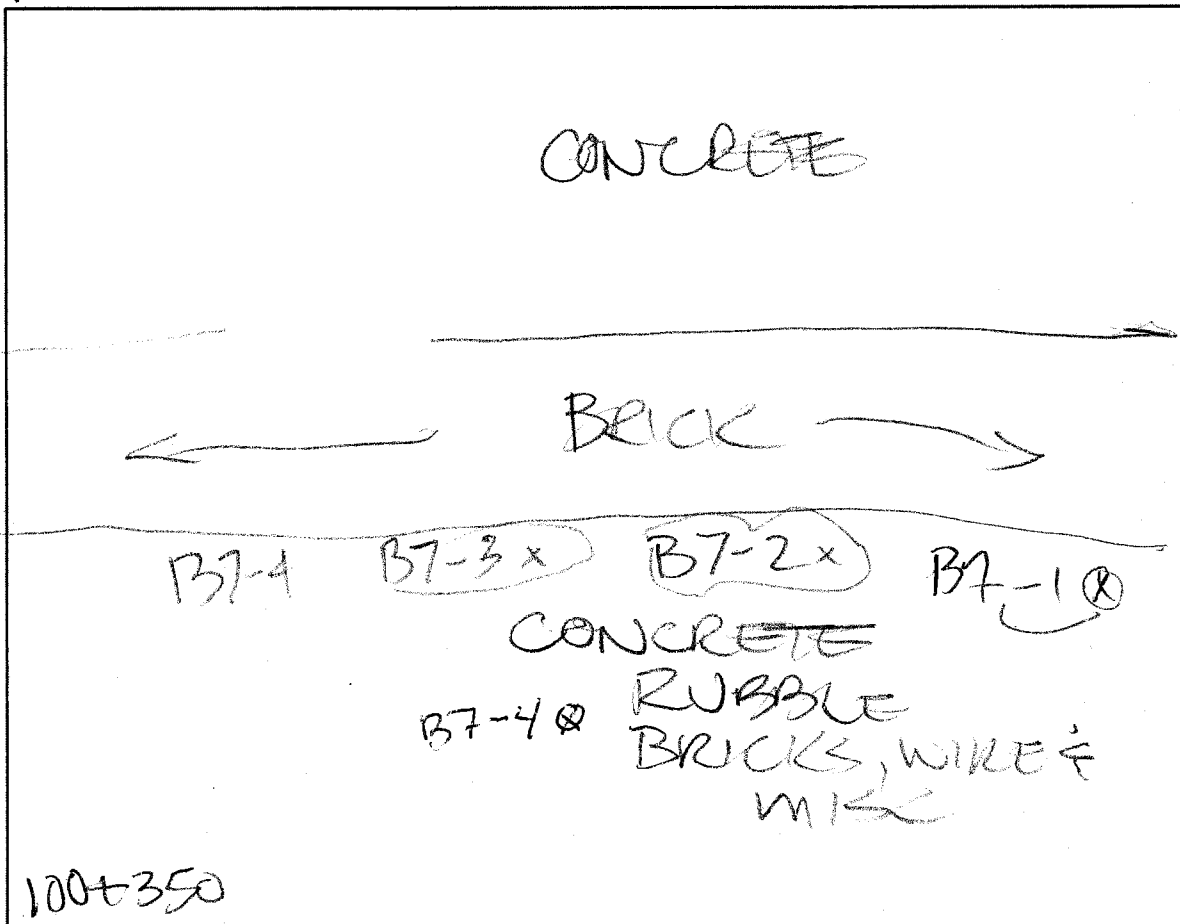
Sample Information:

Sample Number	Date	Time	Description
B6-1	11-4-13		BLACK EXPANSION JOINT
B6-2	11-4-13		BLUE FLOOR COATING

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

100+300

50+30



Grid Location: B7

Map Coordinates: N -N E -E

Description:

PACM Identified: BLACK TAR PAPER, ROOF SHINGLES, BLK ROLL ROOFING
BROWN LAYERED BOARD

Bulk Samples Collected: Yes No

Sample Information:

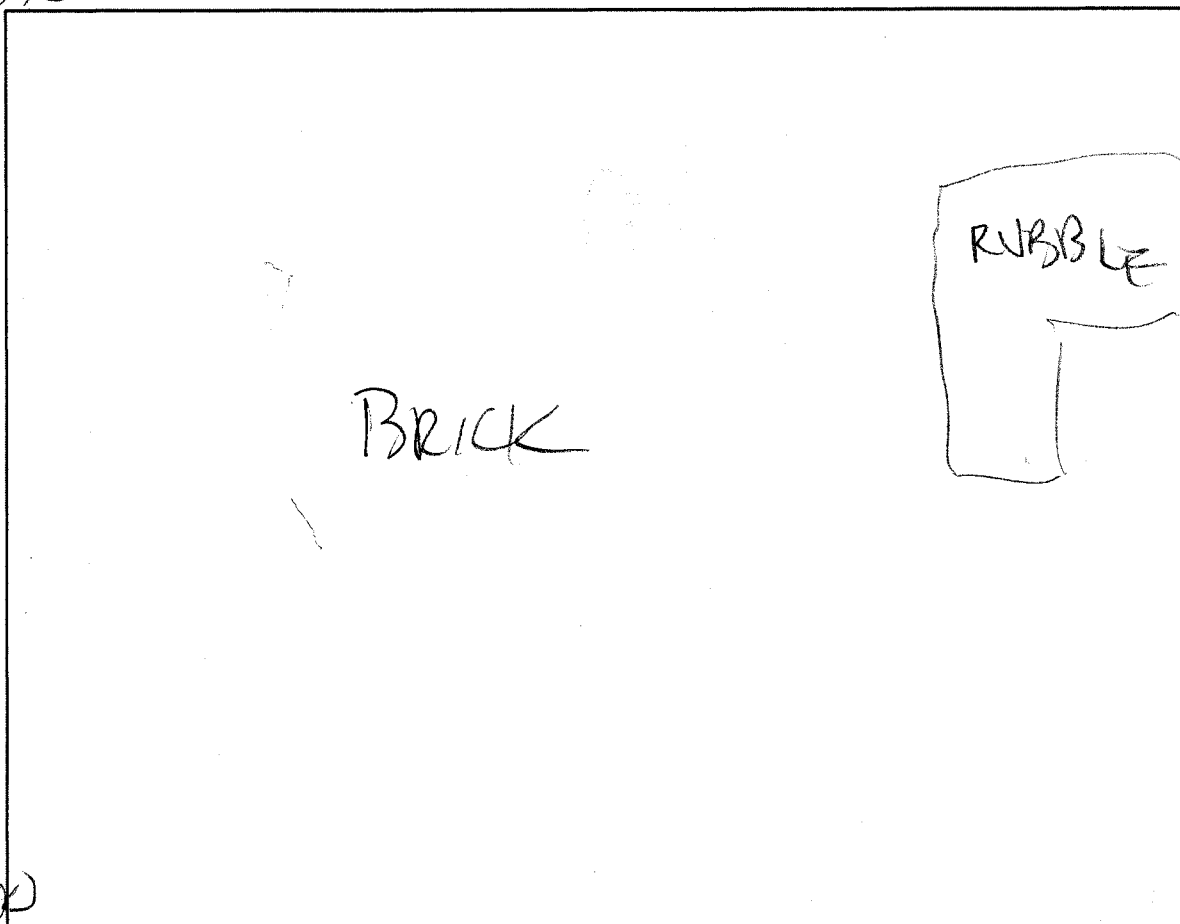
Sample Number	Date	Time	Description
B7-1	11-4-13		TAR PAPER
B7-2	↓		ROOF SHINGLES
B7-3	↓		ROLL ROOFING
B7-4			BROWN LAYERED BOARD

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

1004350

NA

504356



1004400

504400

Grid Location:

B3

Map Coordinates: N

-N

E

-E

Description:

MISC DEBRIS SOME A B7

PACM Identified:

Bulk Samples Collected:

Yes

No

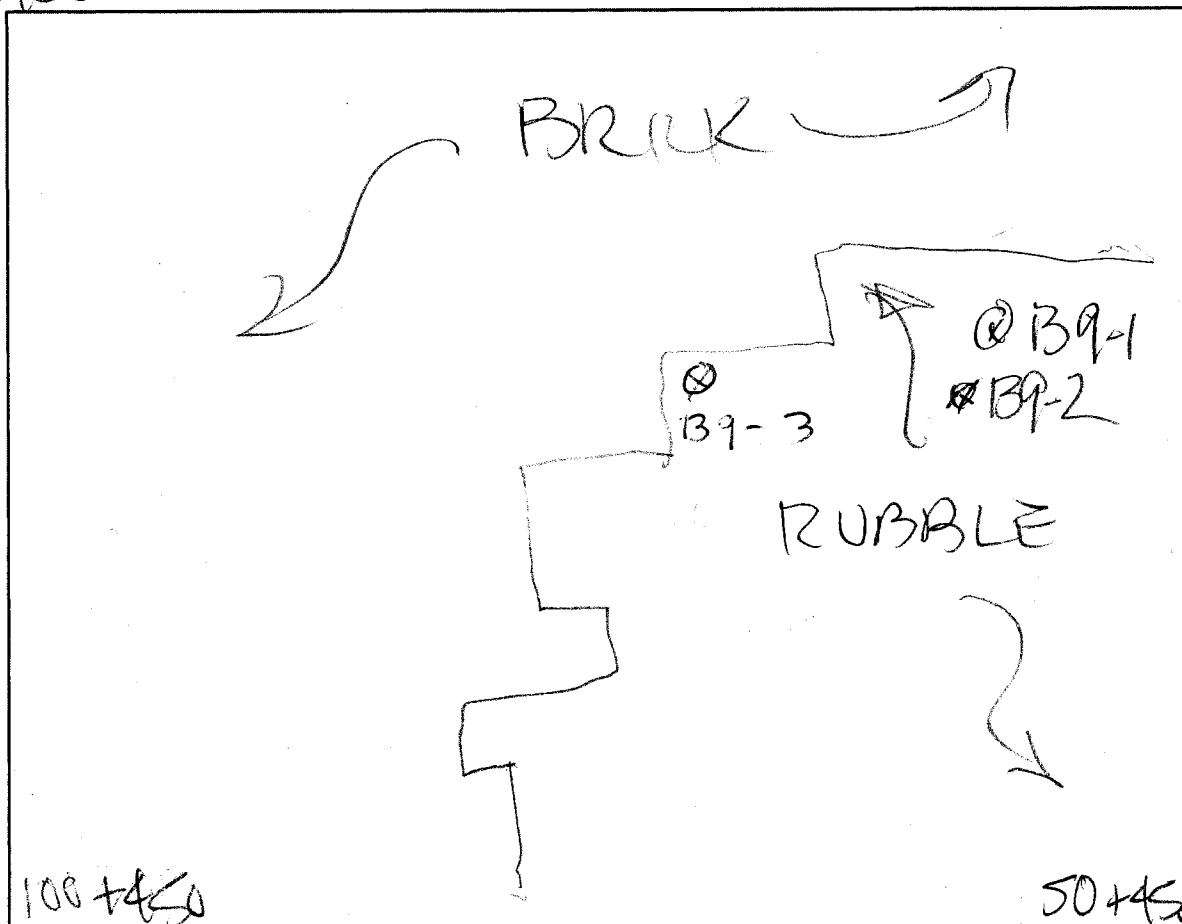
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

100+400

50+400



Grid Location:

BQ

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

GRAY ROOF SHINGLE, OFF WHITE FLOOR LEVELING

Bulk Samples Collected:

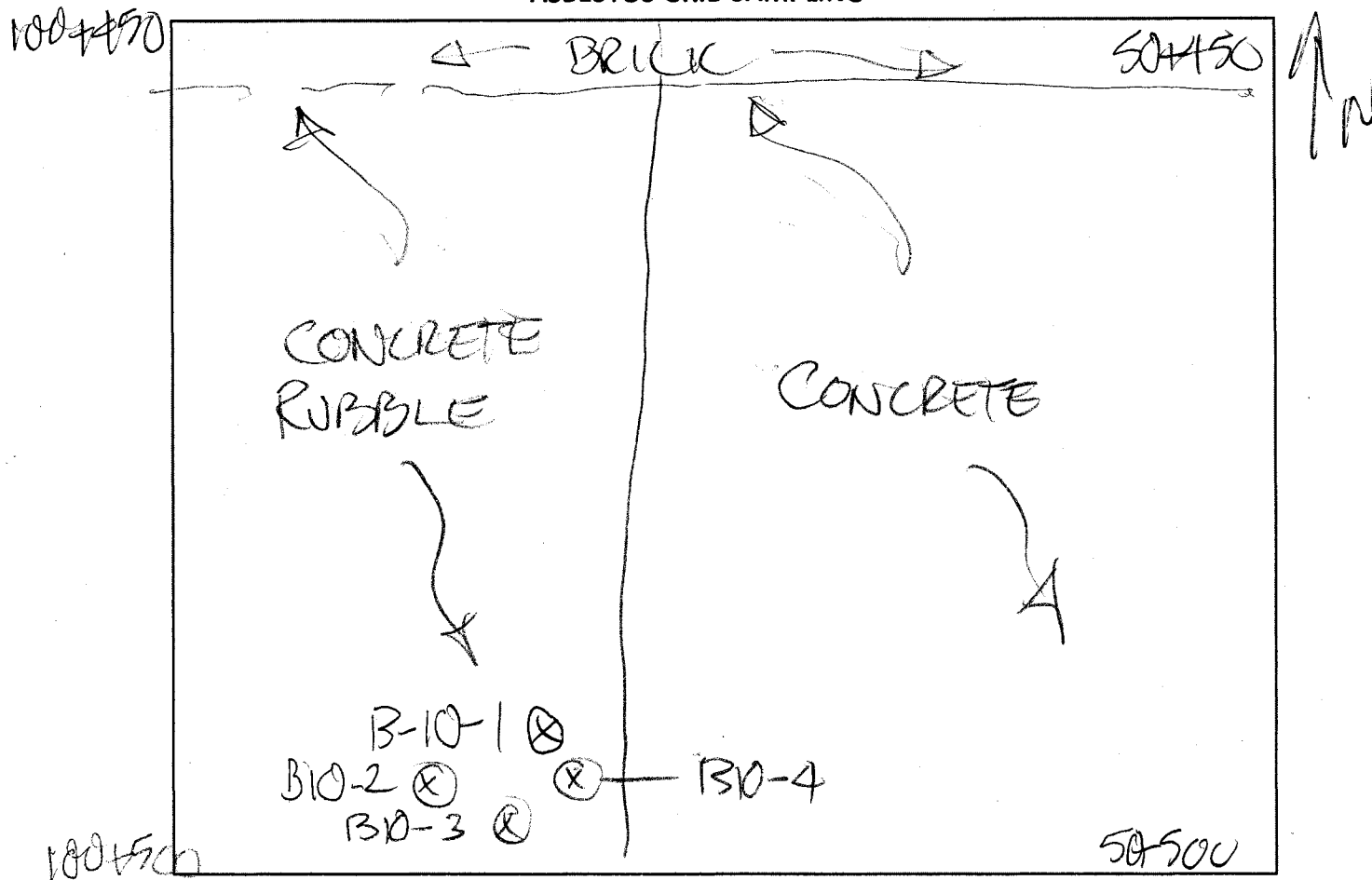
Yes

No

Sample Information:

Sample Number	Date	Time	Description
BQ-1	11-4-83		GRAY ROOF SHINGLE
BQ-2	" "		FLOOR LEVELING
BQ-3	" "		BLACK COATING ON BRICK

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location:

B10

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: WHITE PARTICULATES, WHITE ROOF SHINGLE COATING
GRAY ROOF SHINGLES SILVER COATED MESH, WHITE COMPOSITE W/
Bulk Samples Collected: Yes No FIBER

Sample Information:

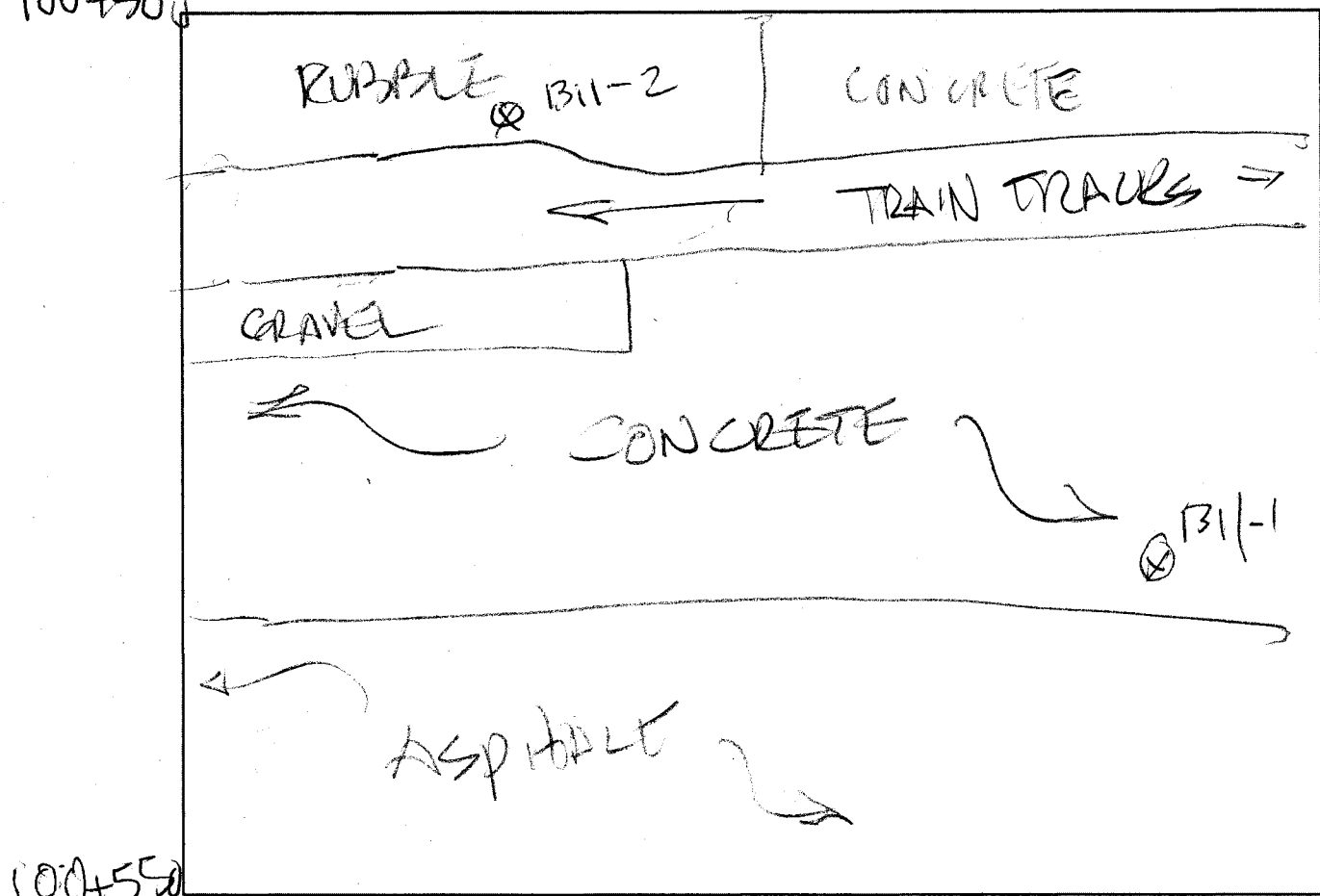
Sample Number	Date	Time	Description
BIO-1	1P5-13		WHITE GRAY PARTICULATE
BIO-2	" "		SILVER COATED MESH
BIO-3	" "		GRAY ROOF SHINGLES
BIO-4	" "		WHITE COATING OVER THIN FIBER BOARD



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

100+500

50+500



Grid Location: B11

Map Coordinates: N -N E -E

50+550

Description:

PACM Identified: CORAY TRANSLITE BOARD DEBRIS, BLACK BUILD UP ROOFING,
BLACK COATING ON CONCRETE, BROWN LAYERED BOARD, TARPAPER, SILVER
Bulk Samples Collected: ☒ Yes ☐ No WHITE COATED FIBER BOARD
MESH ROOFING

Sample Information:

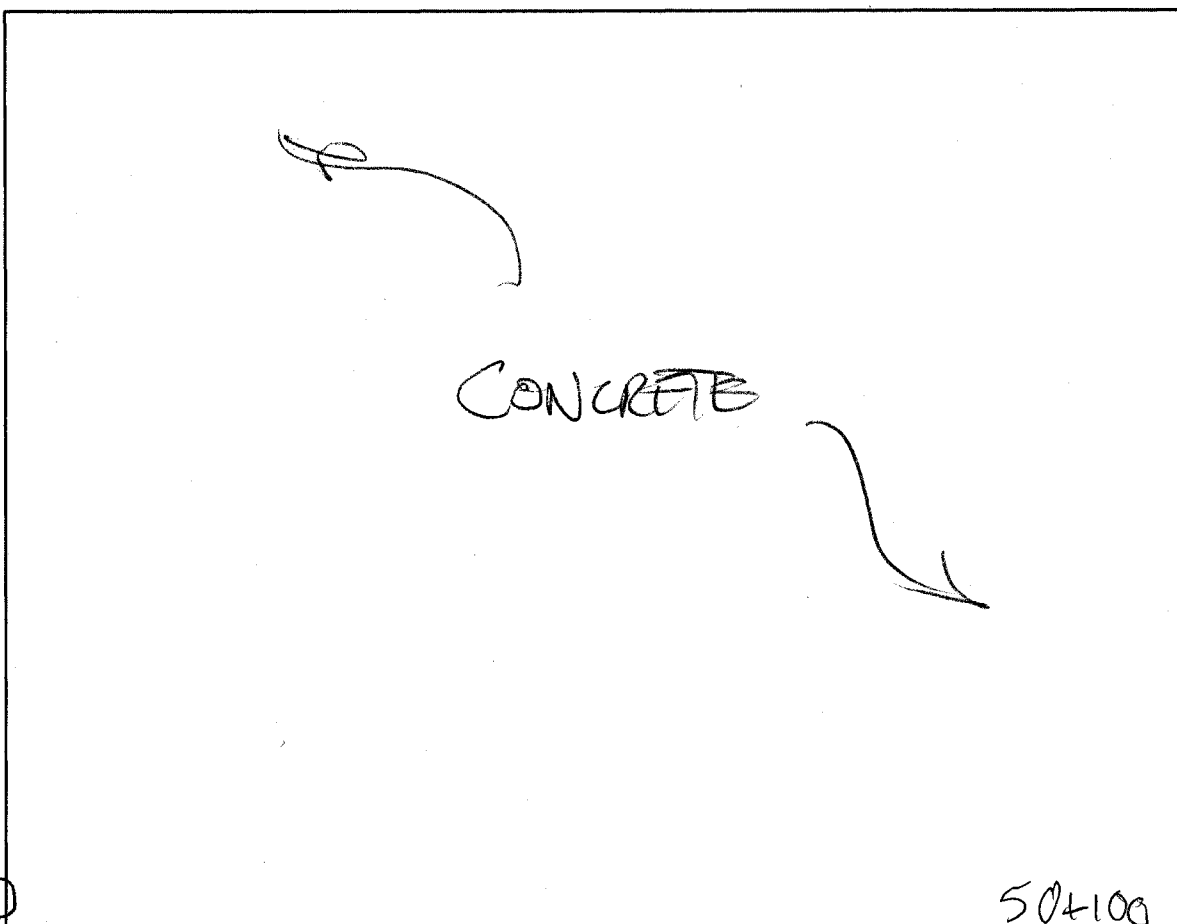
Sample Number	Date	Time	Description
B11-1	11-5-13		CORAY TRANSLITE DEBRIS
B11-2	11 11		WHITE COATED FIBER BOARD

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

N

04150

04100



Grid Location:

C18C

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

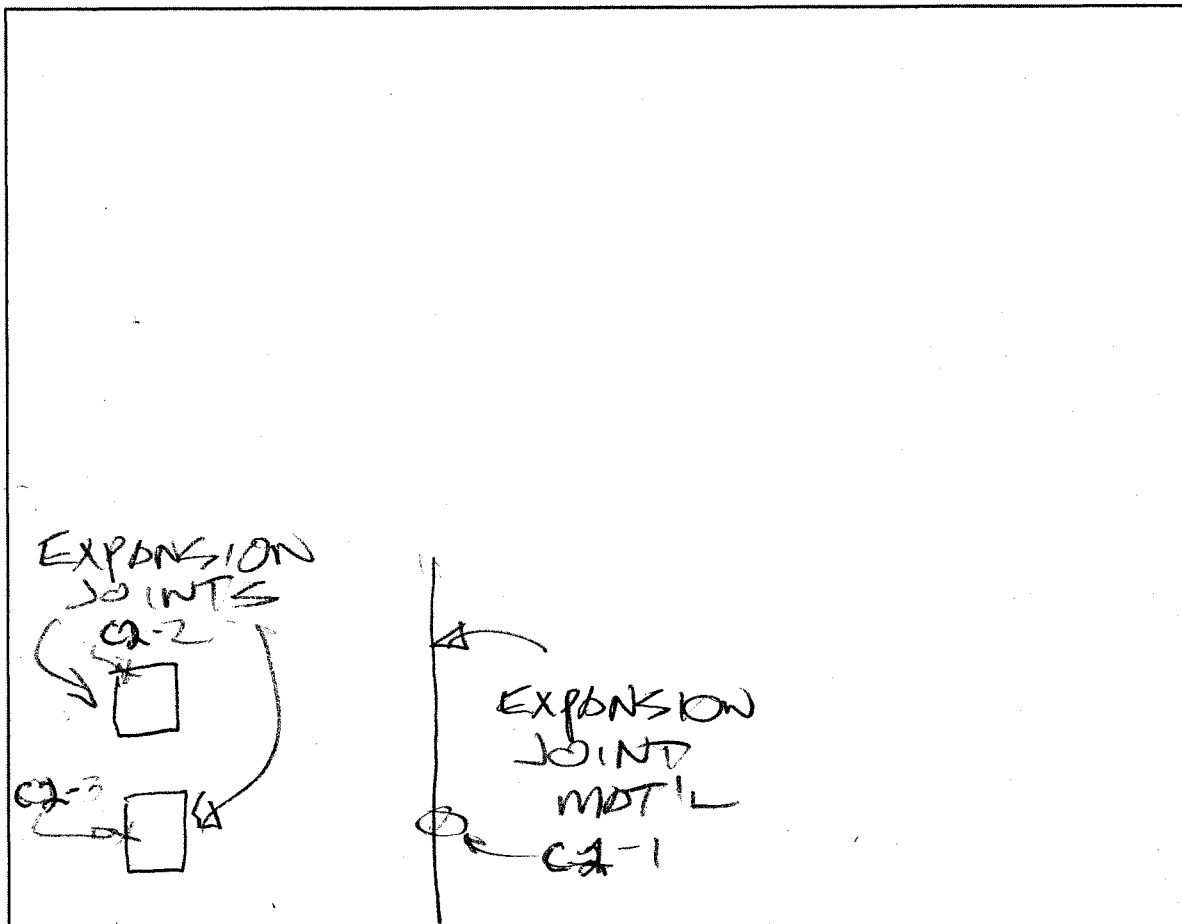
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

150+50

100+50



100+150

100+100

Grid Location: C2

Map Coordinates: N -N E -E

Description:

PACM Identified: EXPANSION JOINTS

Bulk Samples Collected: ☒ Yes ☐ No

Sample Information:

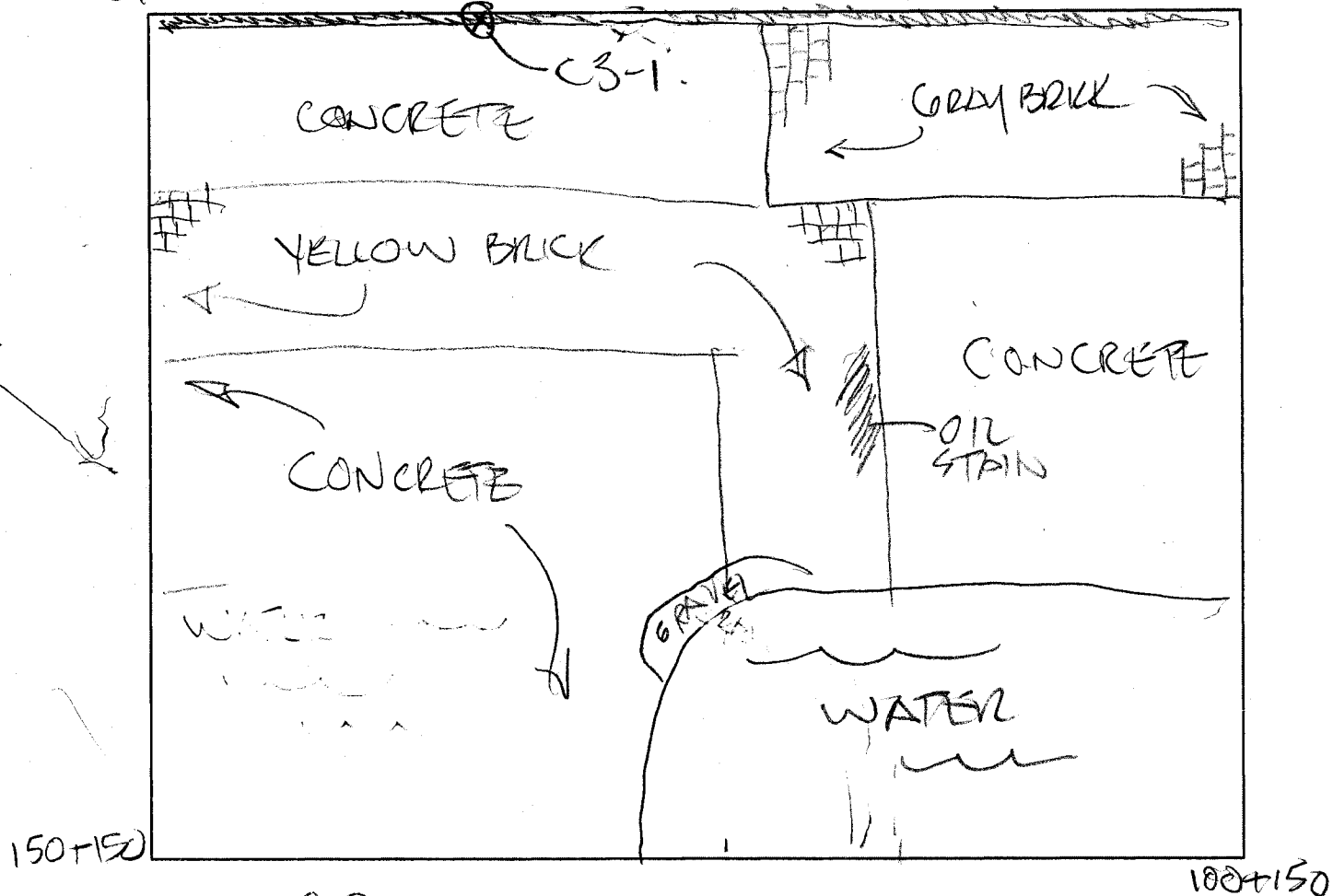
Sample Number	Date	Time	Description
C2-1	11-5-13		EXPANSION JOINT MAT'L
C2-2	↓		"
C2-3			

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK

ASBESTOS GRID SAMPLING EXPANSION JOINT

150+100

100+100



Grid Location: C3

Map Coordinates: N -N E -E

Description:

PACM Identified: BLACK EXPANSION JOINT

Bulk Samples Collected: ☒ Yes ☐ No

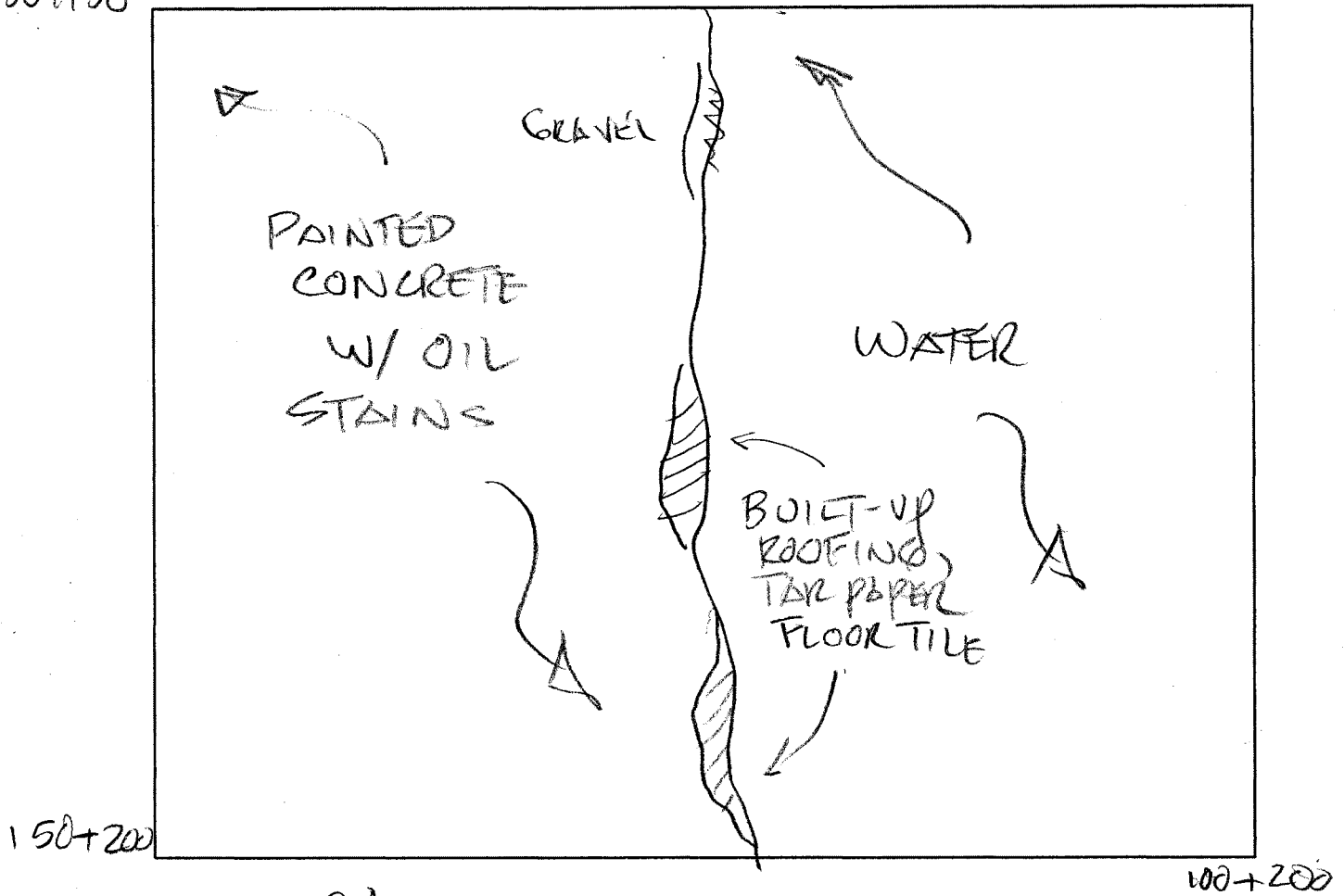
Sample Information:

Sample Number	Date	Time	Description
C3-1	11-5-13		EXPANSION JOINT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

150+150

100+150



Grid Location: C4

Map Coordinates: N -N E -E

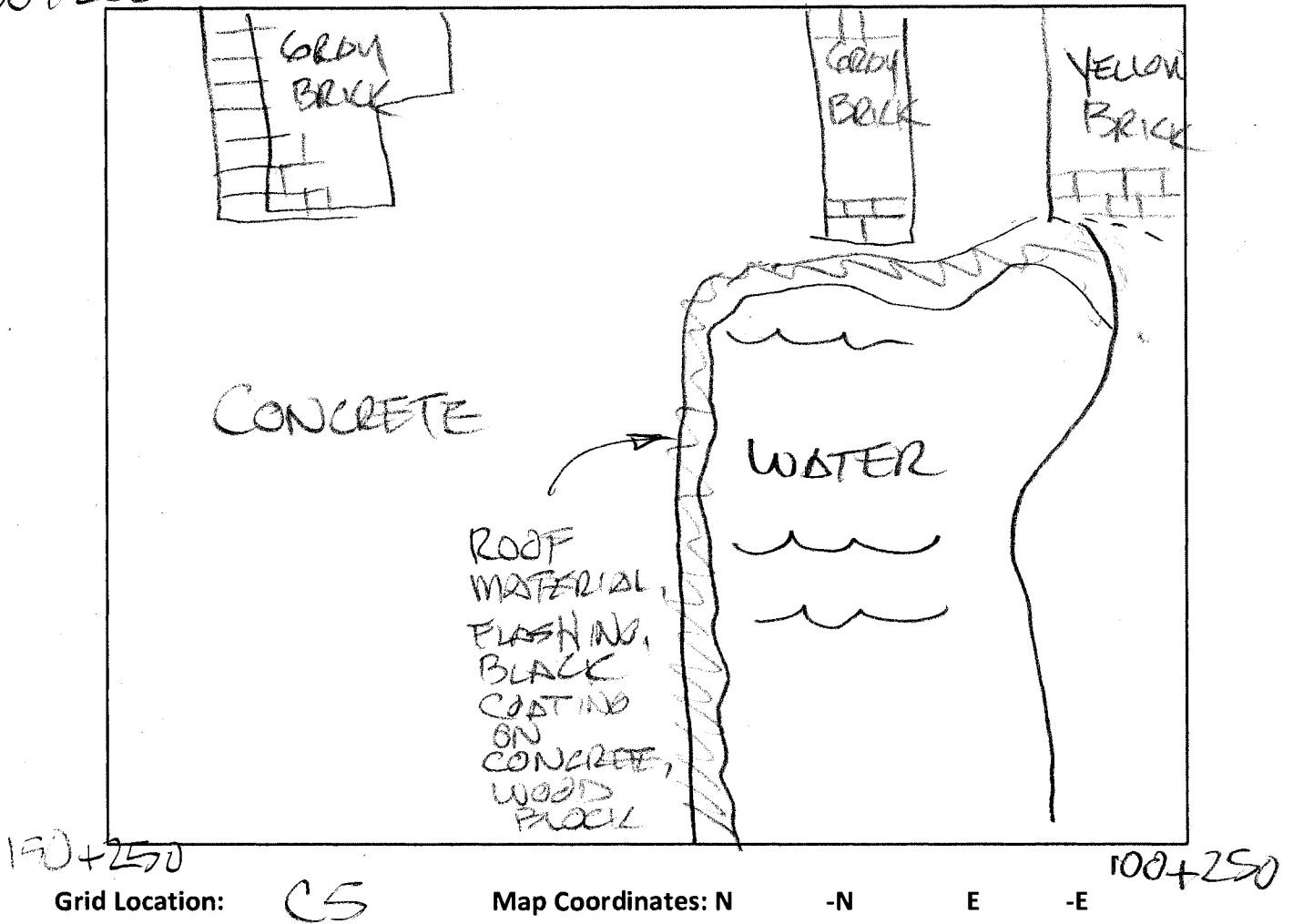
Description:

PACM Identified:

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

$150 + 200$ $100 + 200$ **Grid Location:**

65

Map Coordinates: N

-N

E

-E

PACM Identified:

Yes

No

$$100 + 250$$

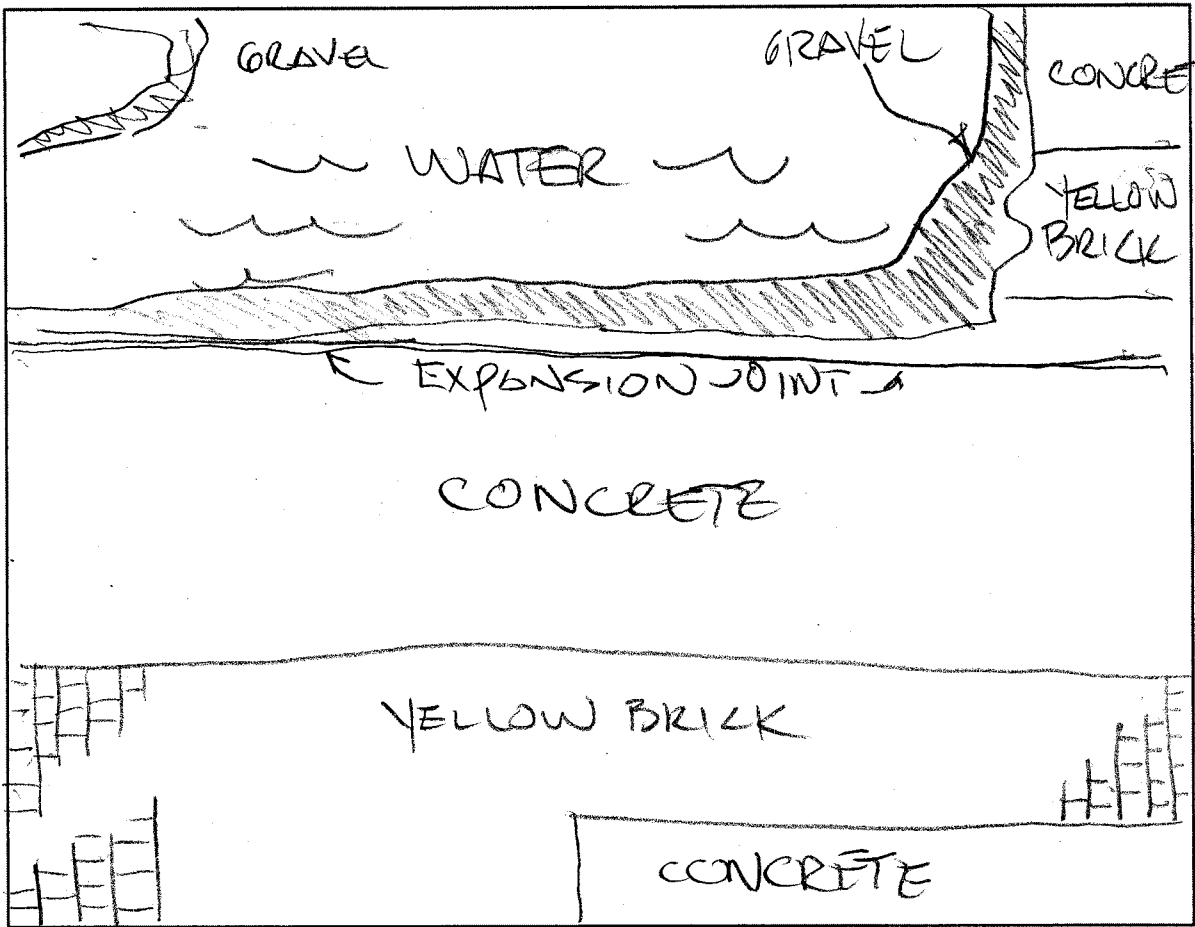
Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



150+250

100+250



150+300

100+300

Grid Location: C6

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected: Yes No

Sample Information:

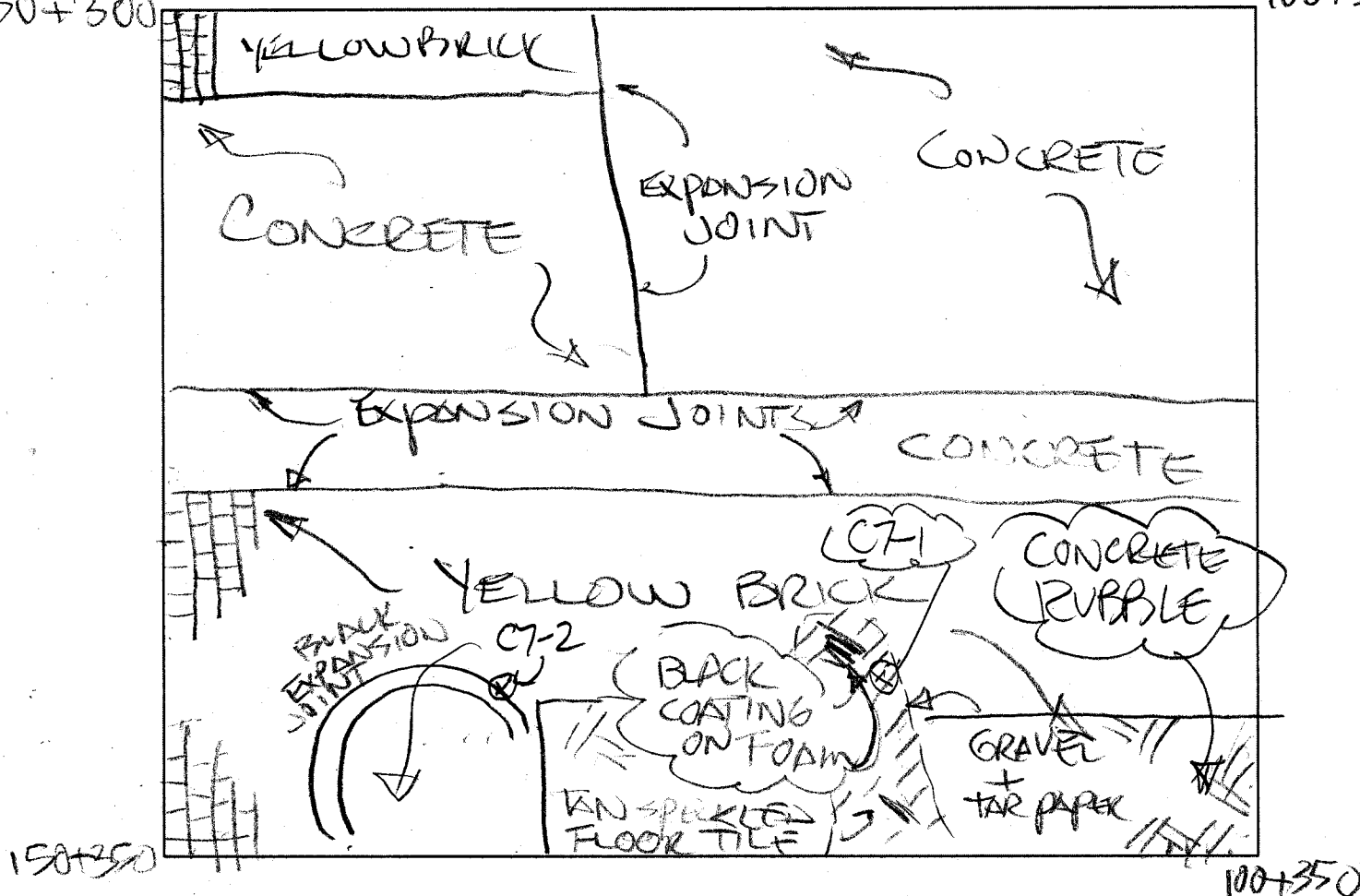
Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

N

150+300

100+300



Grid Location: C7

Map Coordinates: N -N E -E

Description: BLACK COATING ON FOAM, TRANSPEX FLOOR TILE, TAR PAPER, BLACK EXPANSION JOINTS, BUILT UP ROOFING, TRANSPEX
PACM Identified: CALBESTOS & ALL PREVIOUSLY NOTE MATERIALS

Bulk Samples Collected: ☒ Yes ☐ No

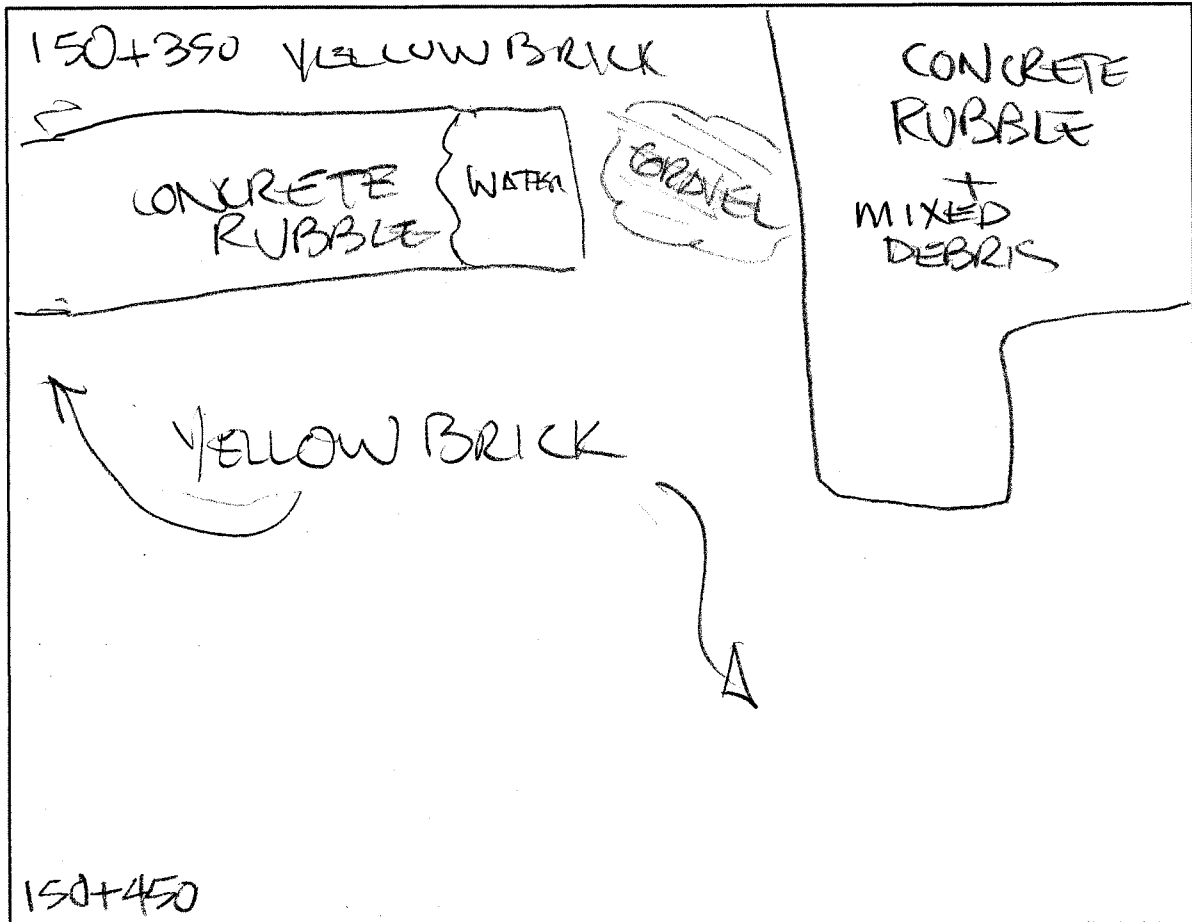
Sample Information:

Sample Number	Date	Time	Description
C7-1	11-5-13		CALBESTOS
C7-2	11 11		EXPANSION JOINTS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



100+350



Grid Location: C8

Map Coordinates: N

-N

E

-E

100+400

Description: MIXED MATERIALS AS NOTED PREVIOUSLY
 IE, TAR PAPER, BUILT UP ROOFING, FLASHING ETC

PACM Identified:

Bulk Samples Collected:

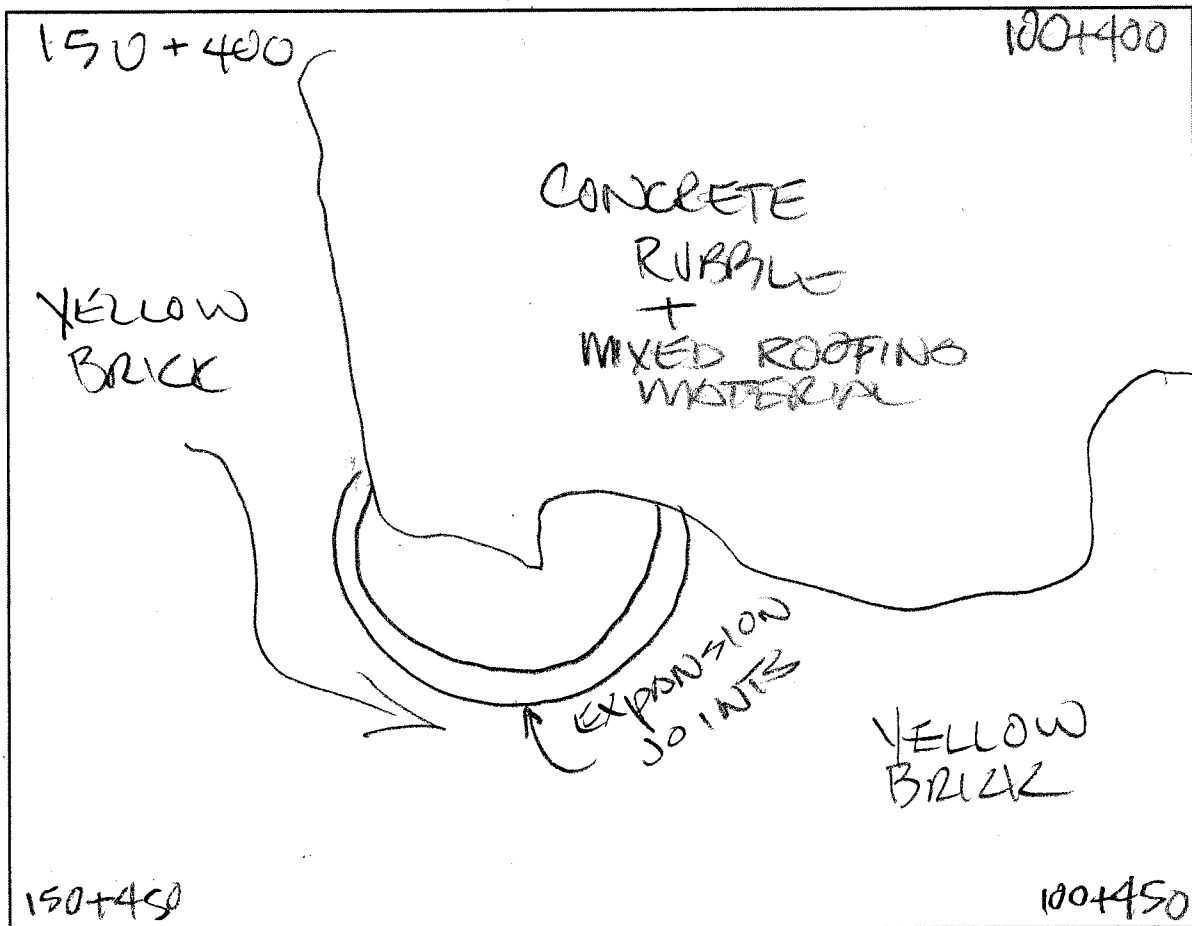
Yes

(No)

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location:

C9

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MIXED MATERIALS AS NOTED PREVIOUSLY

Bulk Samples Collected:

Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

150+450 YELLOW BRICK 100+450

RUBBLE
⊗ C10-1

CONCRETE WALL

RUBBLE

150+500 100+500

Grid Location: C10

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: BLACK THICK CANVAS DUCT MATERIAL

Bulk Samples Collected:

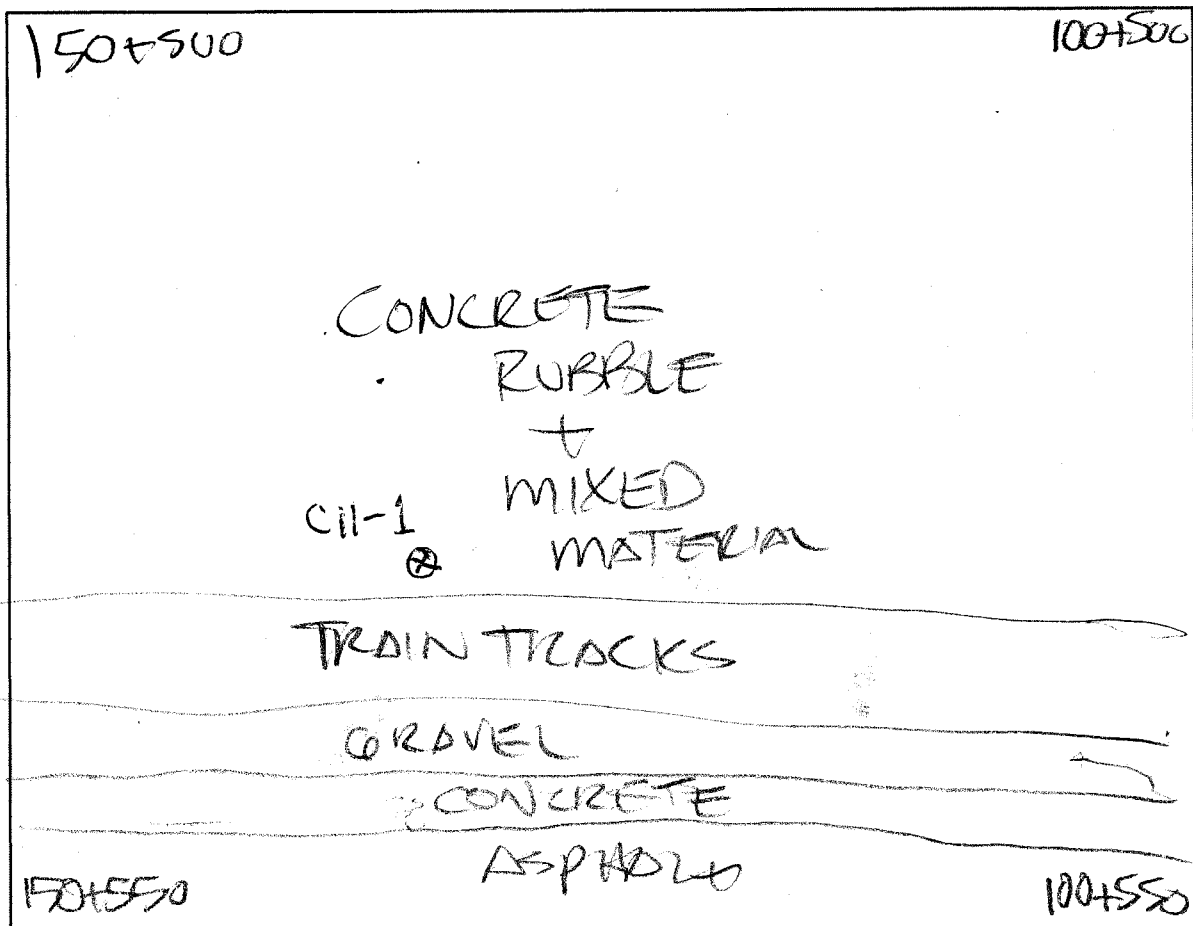
☒ Yes

☐ No

Sample Information:

Sample Number	Date	Time	Description
C10-1	11-5-13		CANVAS DUCT MATL

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: CII Map Coordinates: N -N E -E

Description:

PACM Identified: SOME MISC DEBRIS DESCRIBED PREVIOUSLY

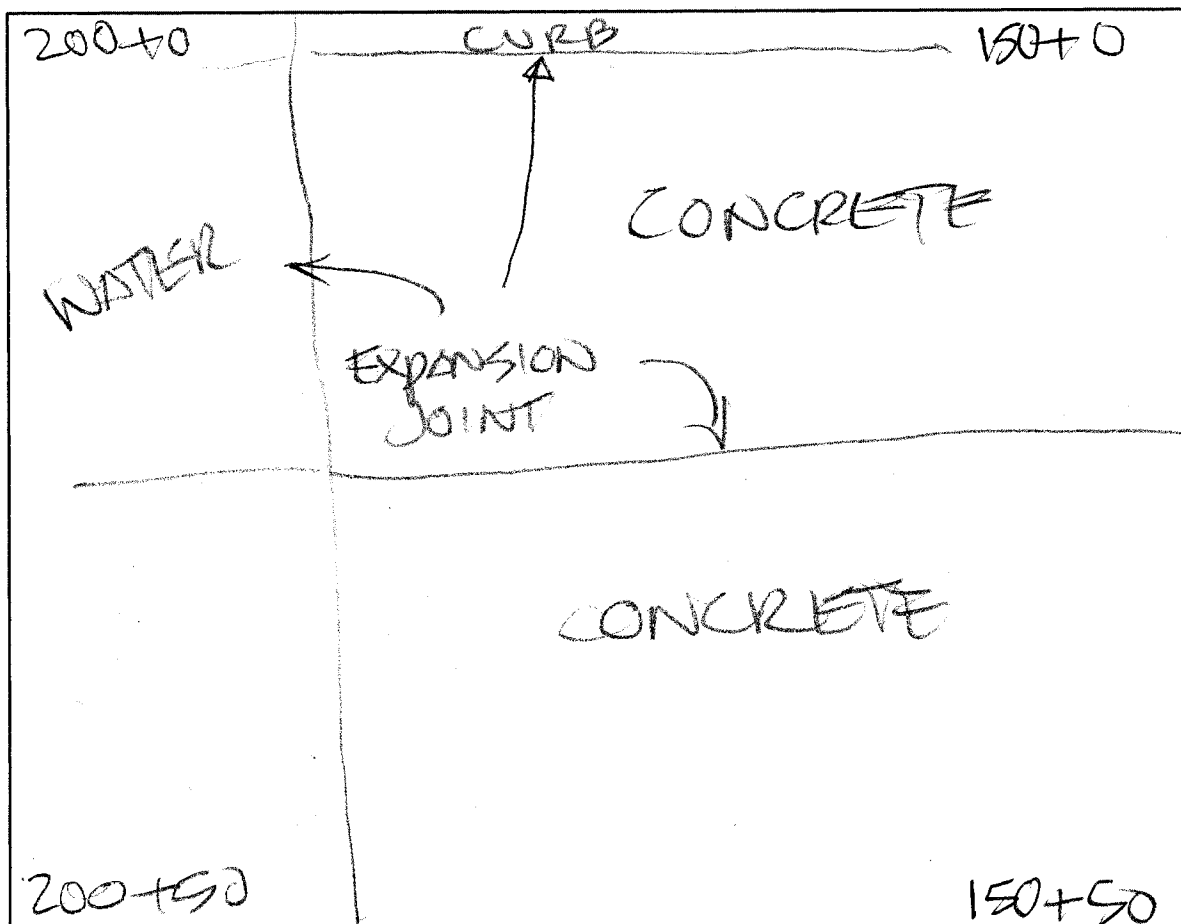
Bulk Samples Collected: ☒ Yes ☐ No

Sample Information:

Sample Number	Date	Time	Description
CII-1	11-5-13		BLACK RUBBER GASKET

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

MW



Grid Location: D1

Map Coordinates: N -N E -E

Description:

PACM Identified:

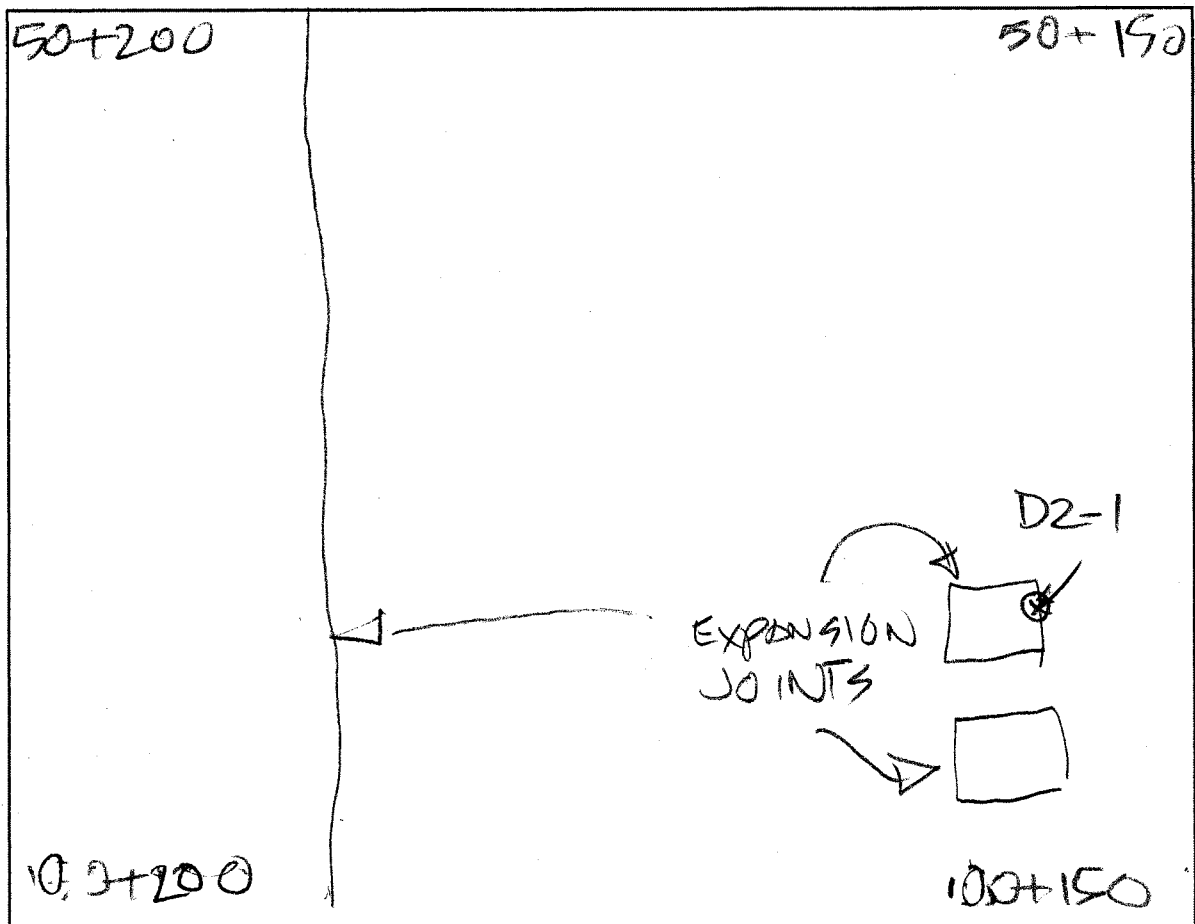
Bulk Samples Collected: Yes ☒ No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

11N



Grid Location: D2 Map Coordinates: N -N E -E

Description: BLACK EXPANSION JOINT

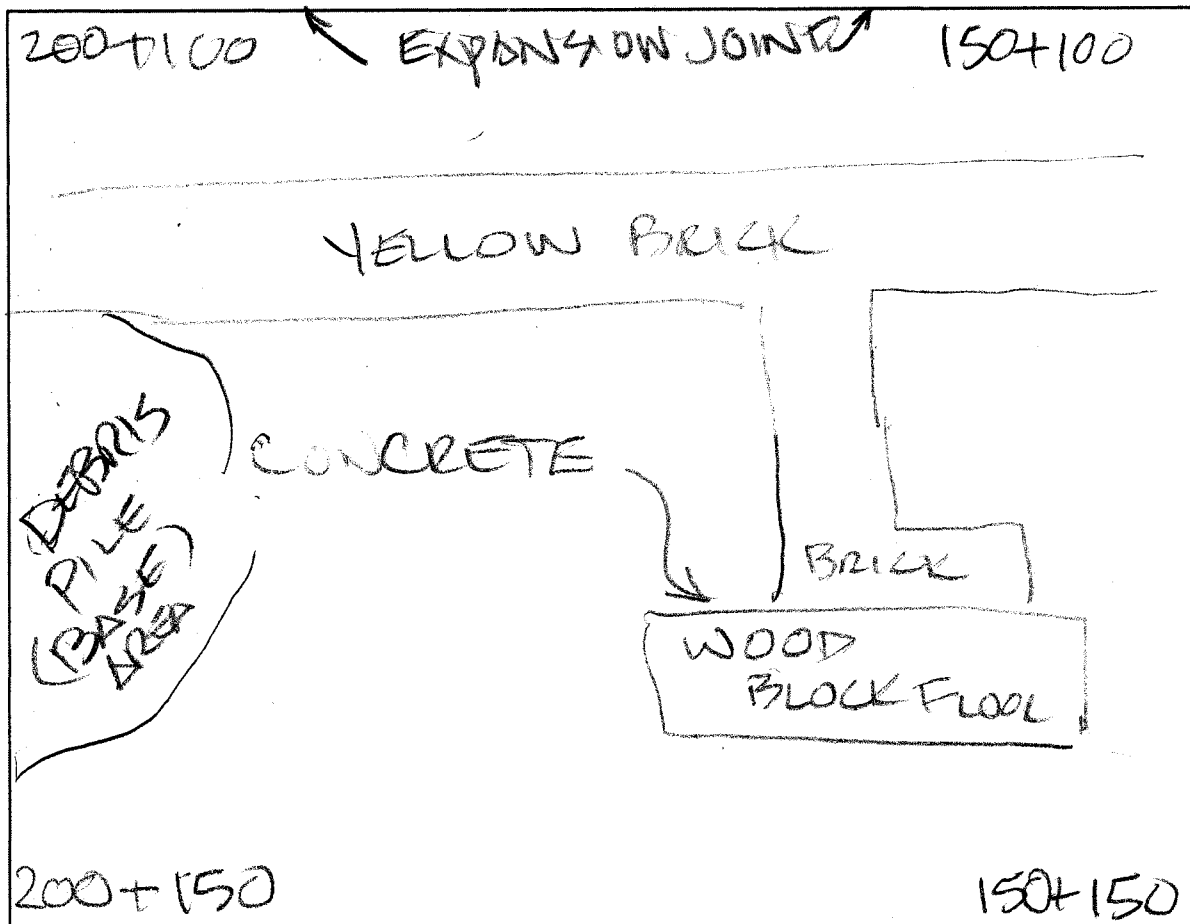
PACM Identified:

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description
D2-1	11-5-13		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: D3

Map Coordinates: N

-N

E

-E

Description: EXPANSION JOINTS, COATED WOOD BLOCK
GRAY FLOOR COATING, MIXED DEBRIS

PACM Identified:

Bulk Samples Collected:

Yes

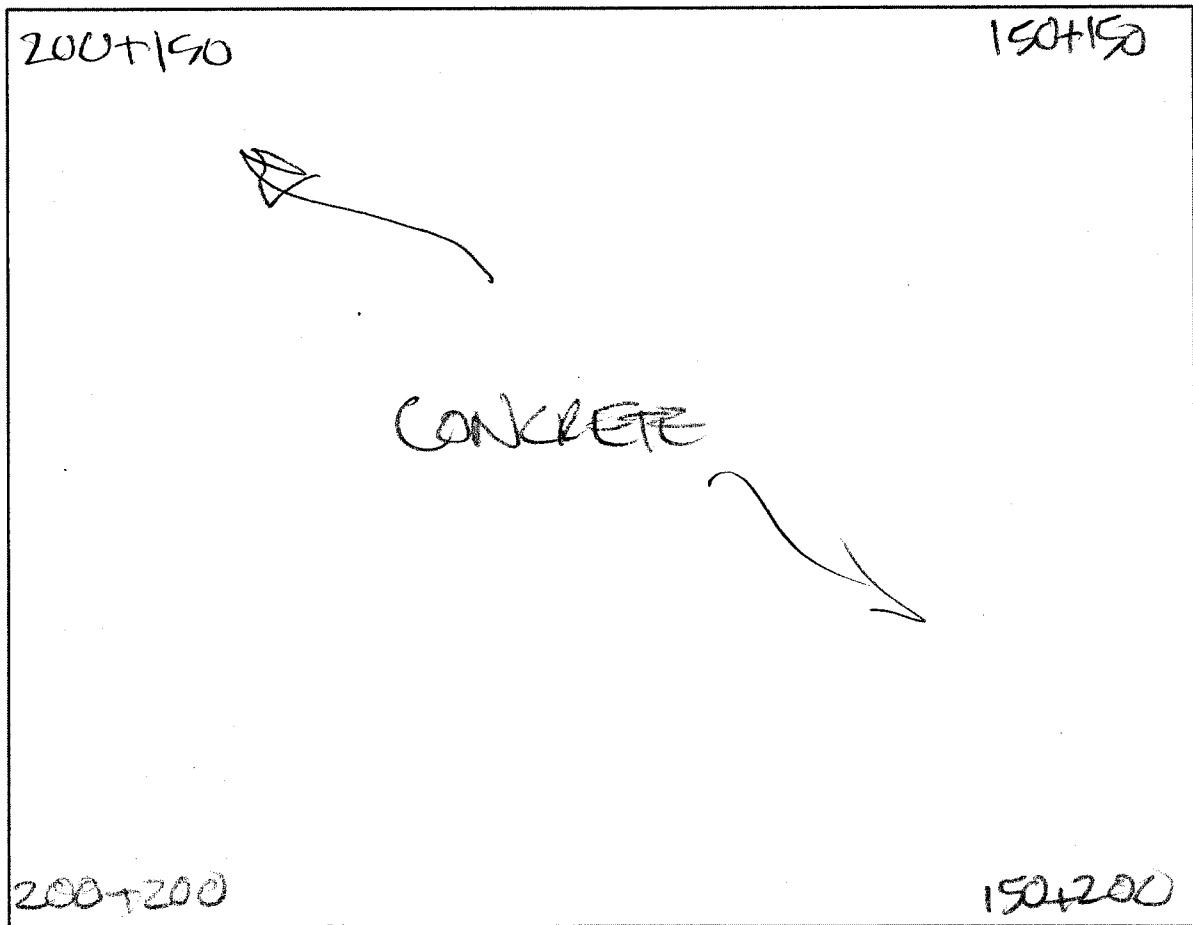
No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

↑
N



Grid Location:

DA

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

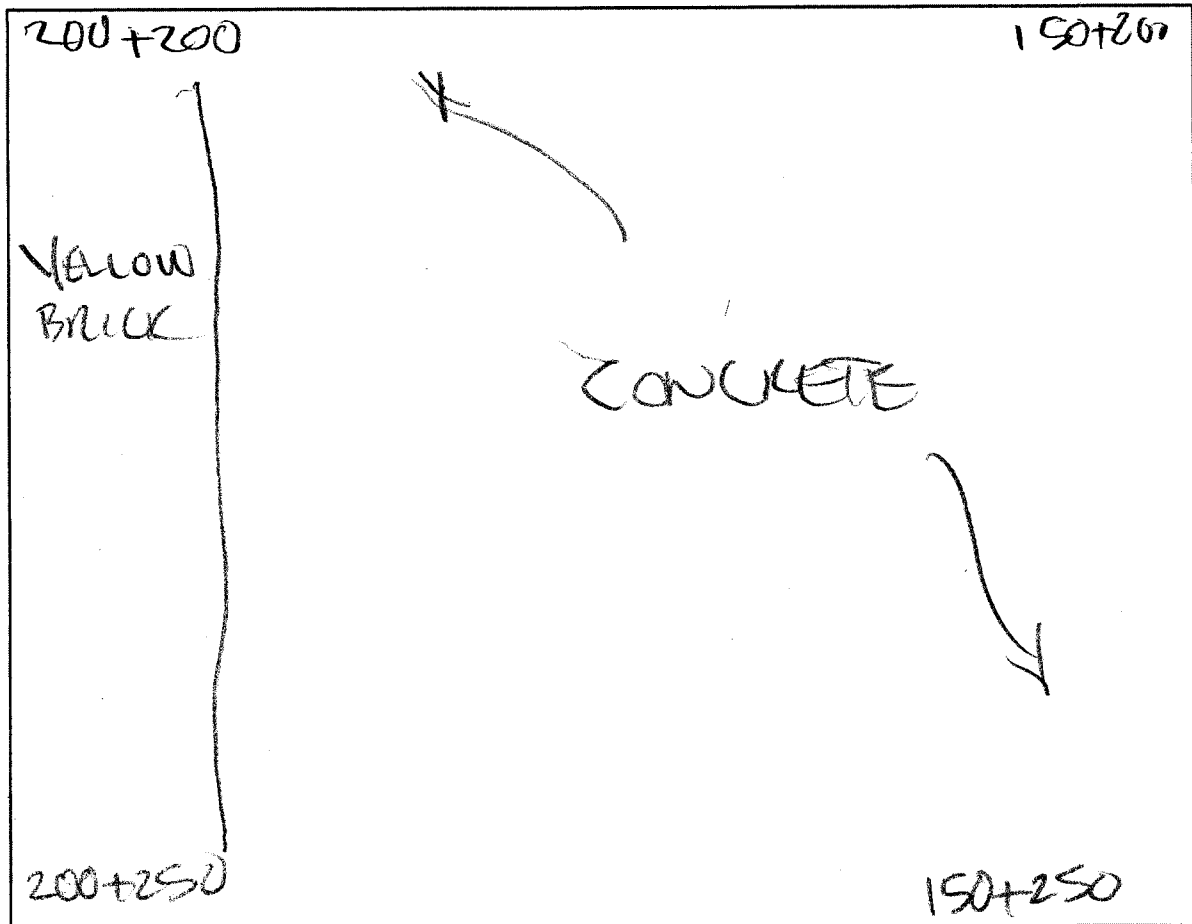
No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

N



Grid Location:

DS

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

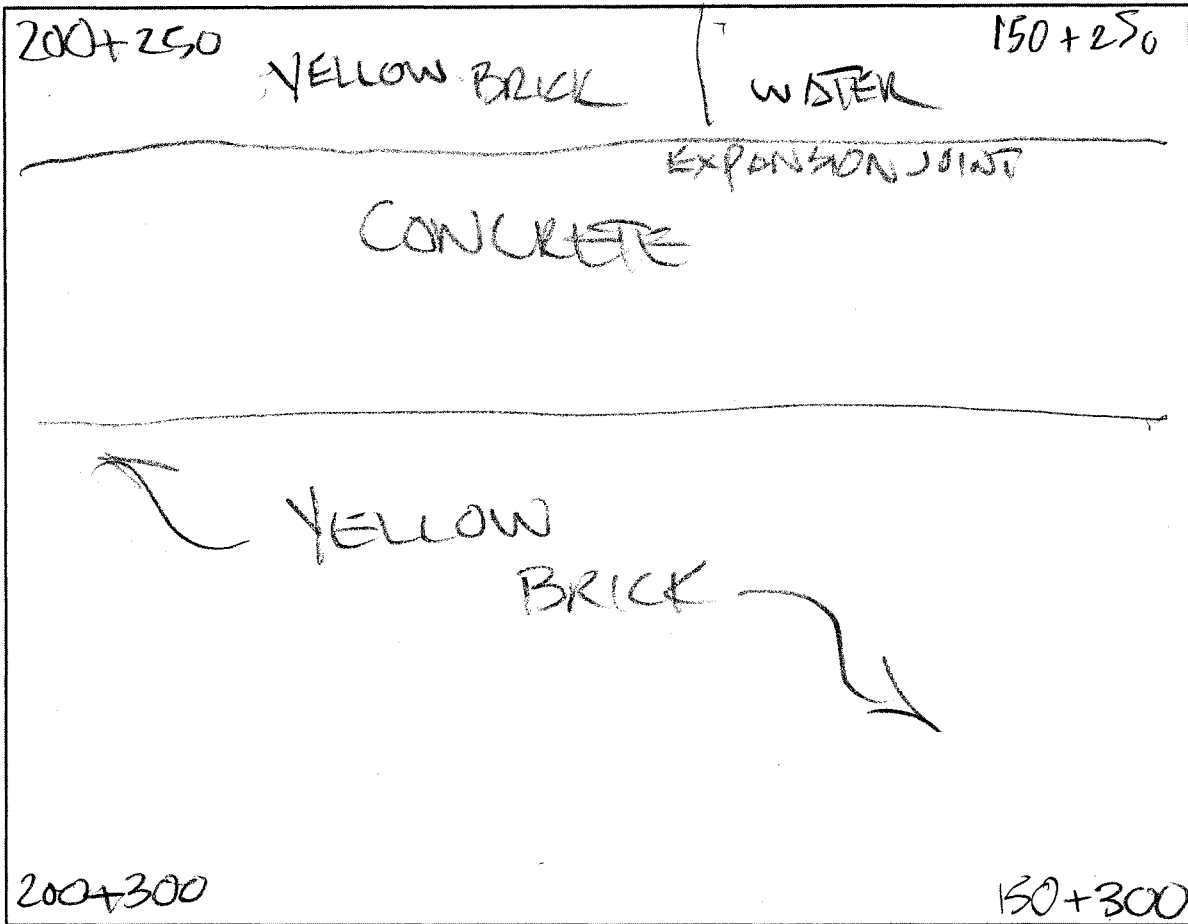
No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

41
N



Grid Location: D6

Map Coordinates: N -N E -E

Description:

PACM Identified:

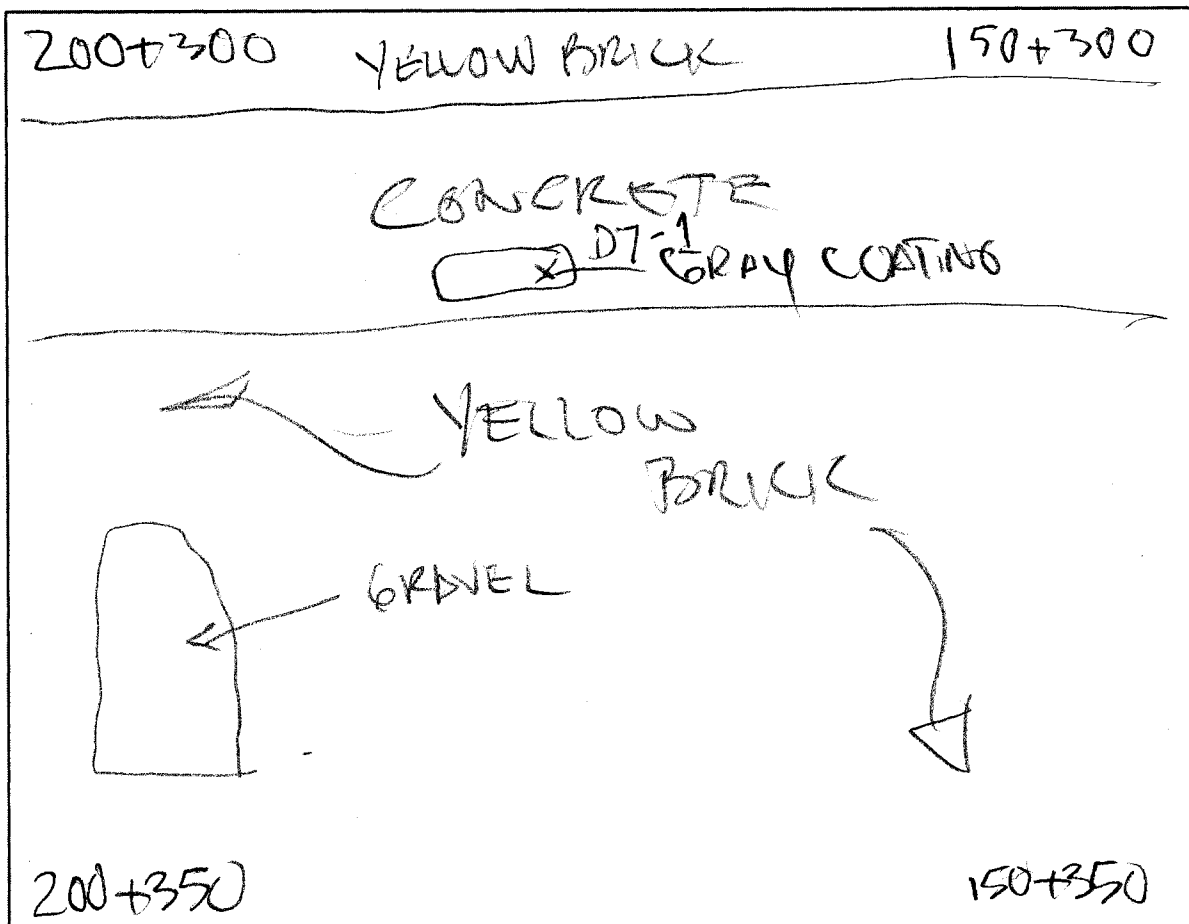
Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

↑
N



Grid Location: D7 Map Coordinates: N -N E -E

Description:

LT FLOOR
PACM Identified: GRAY COATING

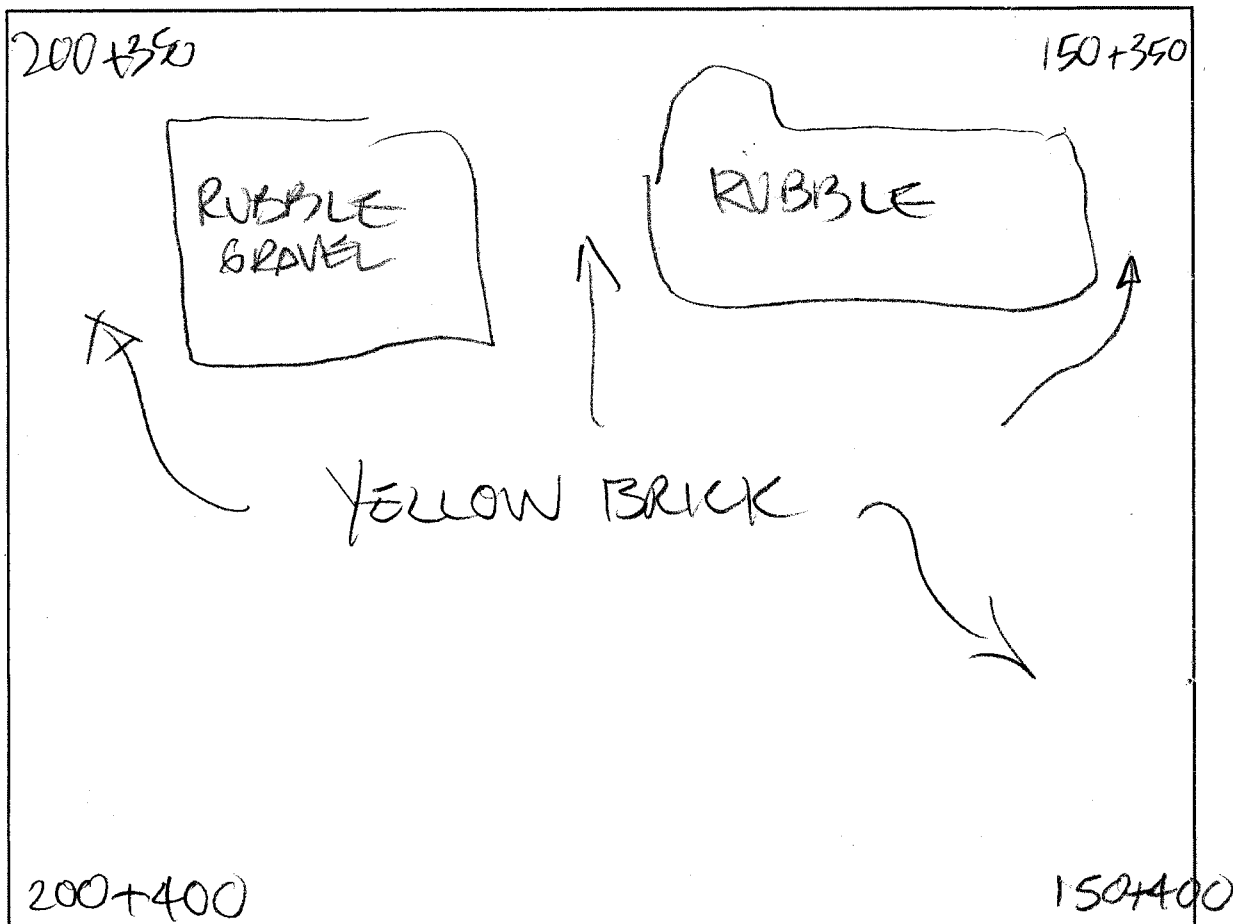
Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description
D7-1	11-5-13		GRAY COATING

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

N



Grid Location: D46

Map Coordinates: N -N E -E

Description:

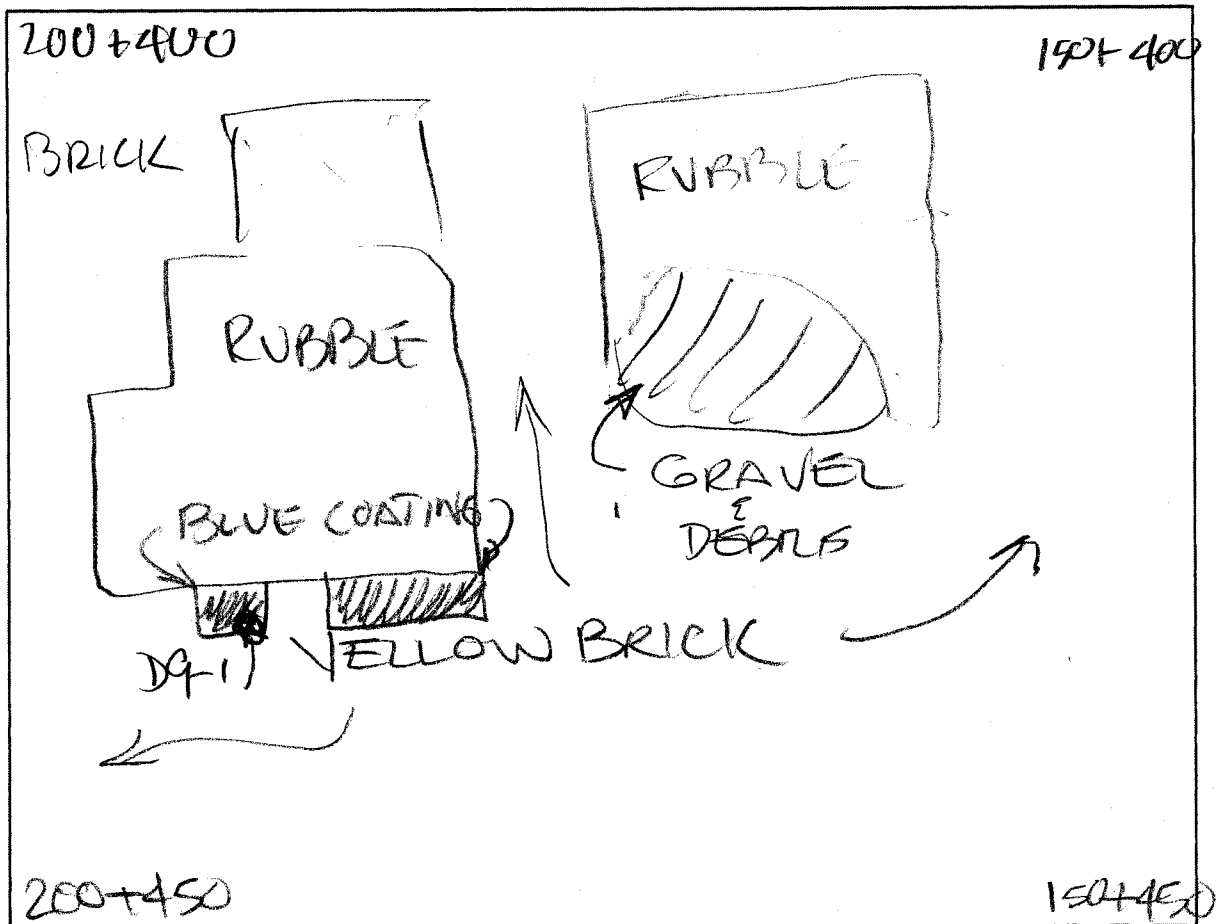
PACM Identified:

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: **D9** Map Coordinates: N -N E -E

Description:

PACM Identified:

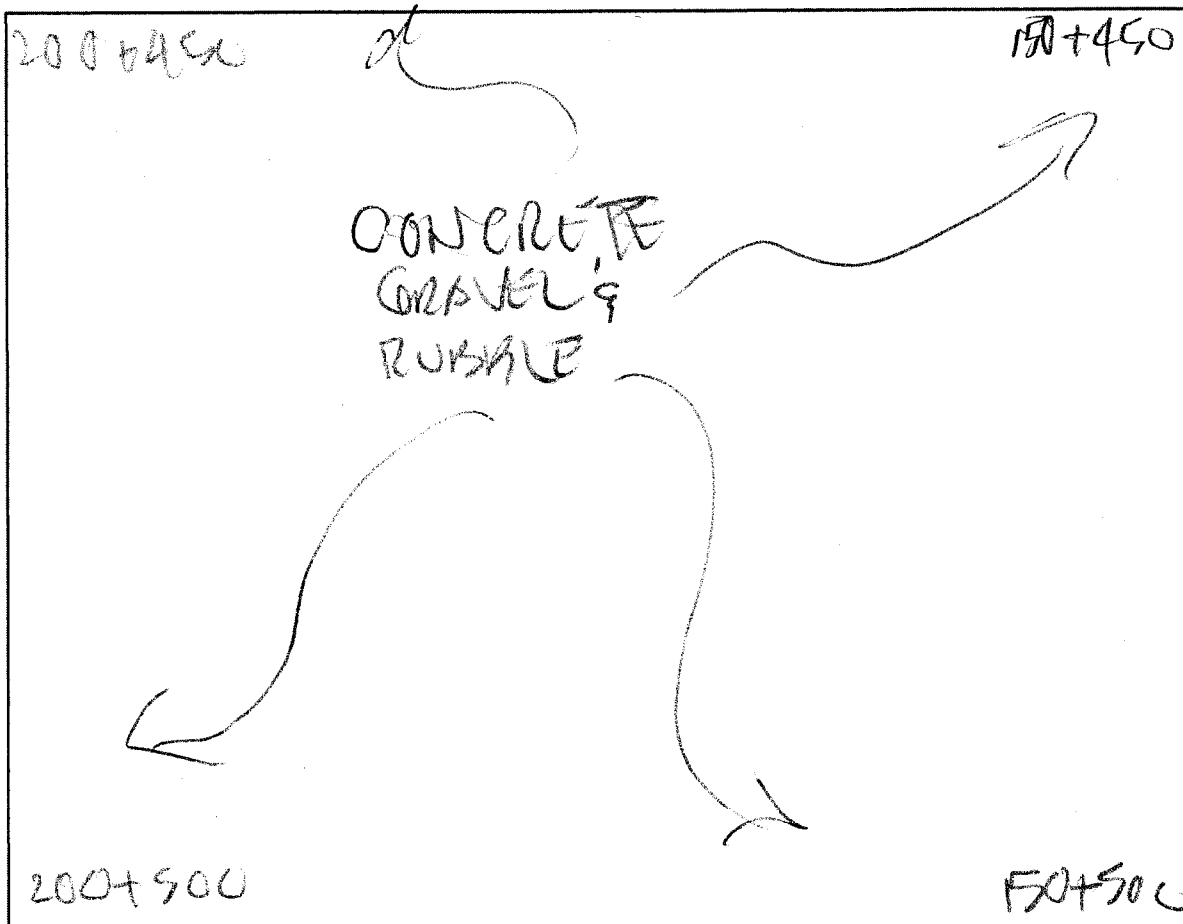
Bulk Samples Collected: ☒ Yes ☐ No

Sample Information:

Sample Number	Date	Time	Description
D9-1	11-5-13		BLUE COATING

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

41N



Grid Location: D10

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected: Yes ☒ No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

9
N

200+500	150+500
CONCRETE RUBBLE & MISC DEBRIS	
→ TRAIN TRACK GRAVEL	
CONCRETE	
ASPHALT	
200+550	150+550

Grid Location: D11 Map Coordinates: N -N E -E

Description: CONTAINS MISC DEBRIS DESCRIBED
PREVIOUSLY

PACM Identified:

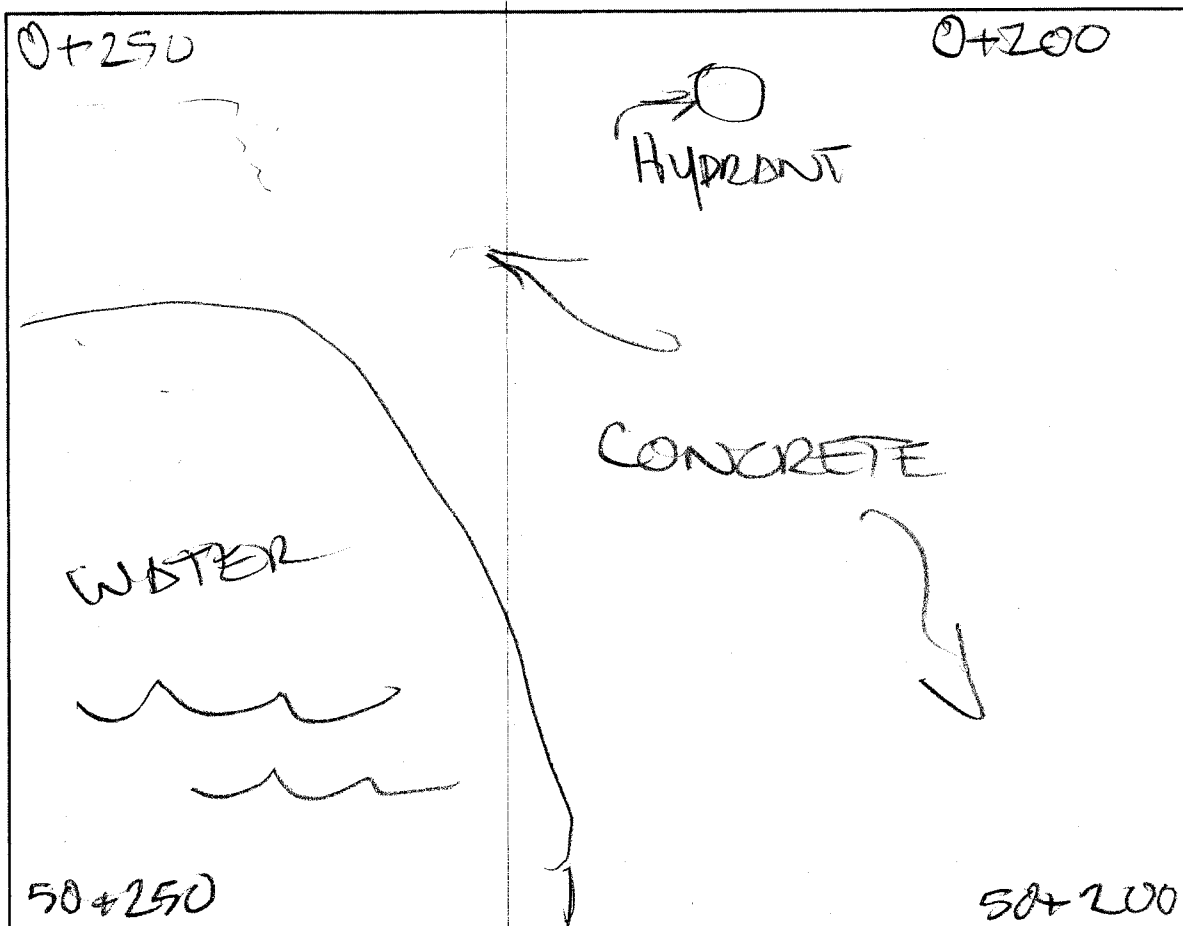
Bulk Samples Collected: Yes ☒ No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

AN



Grid Location: E1

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

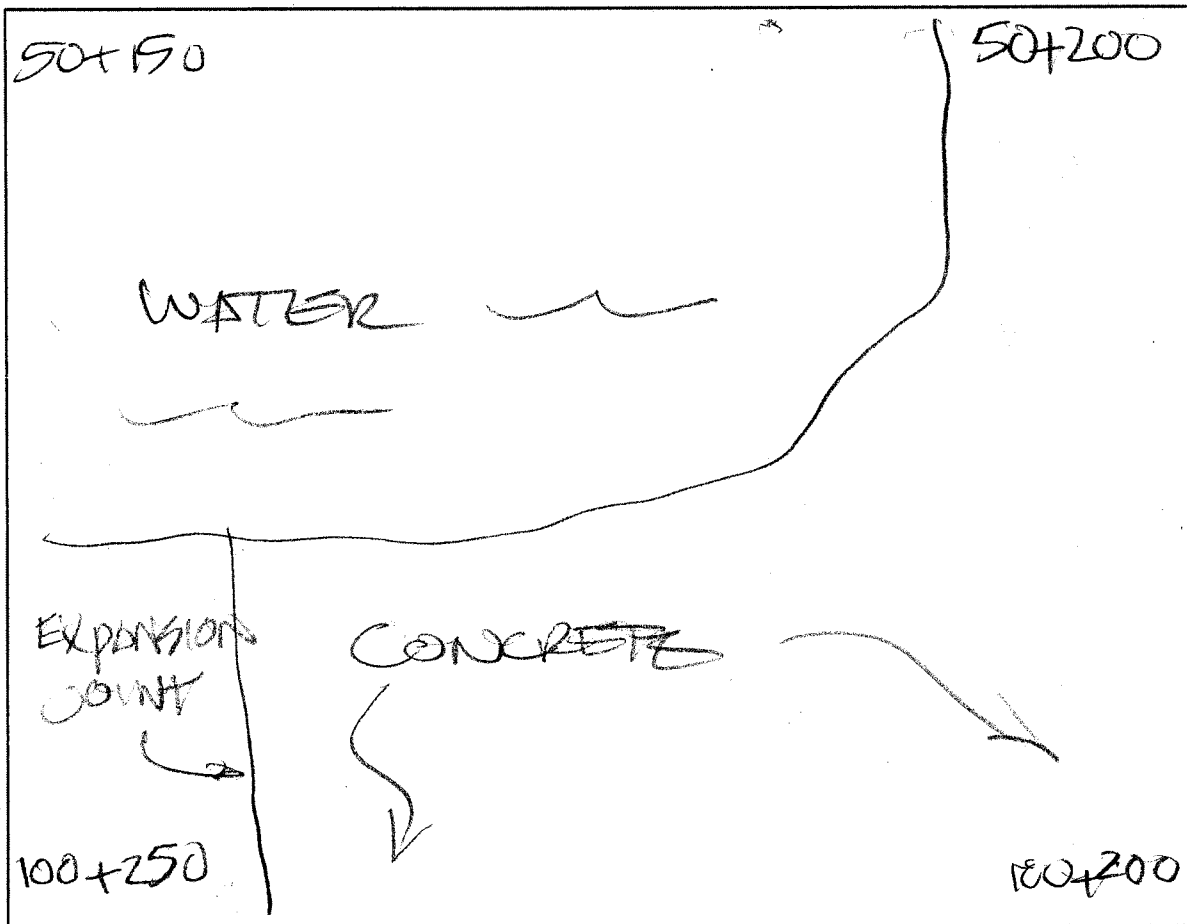
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: EZ

Map Coordinates: N -N E -E

Description:

PACM Identified:

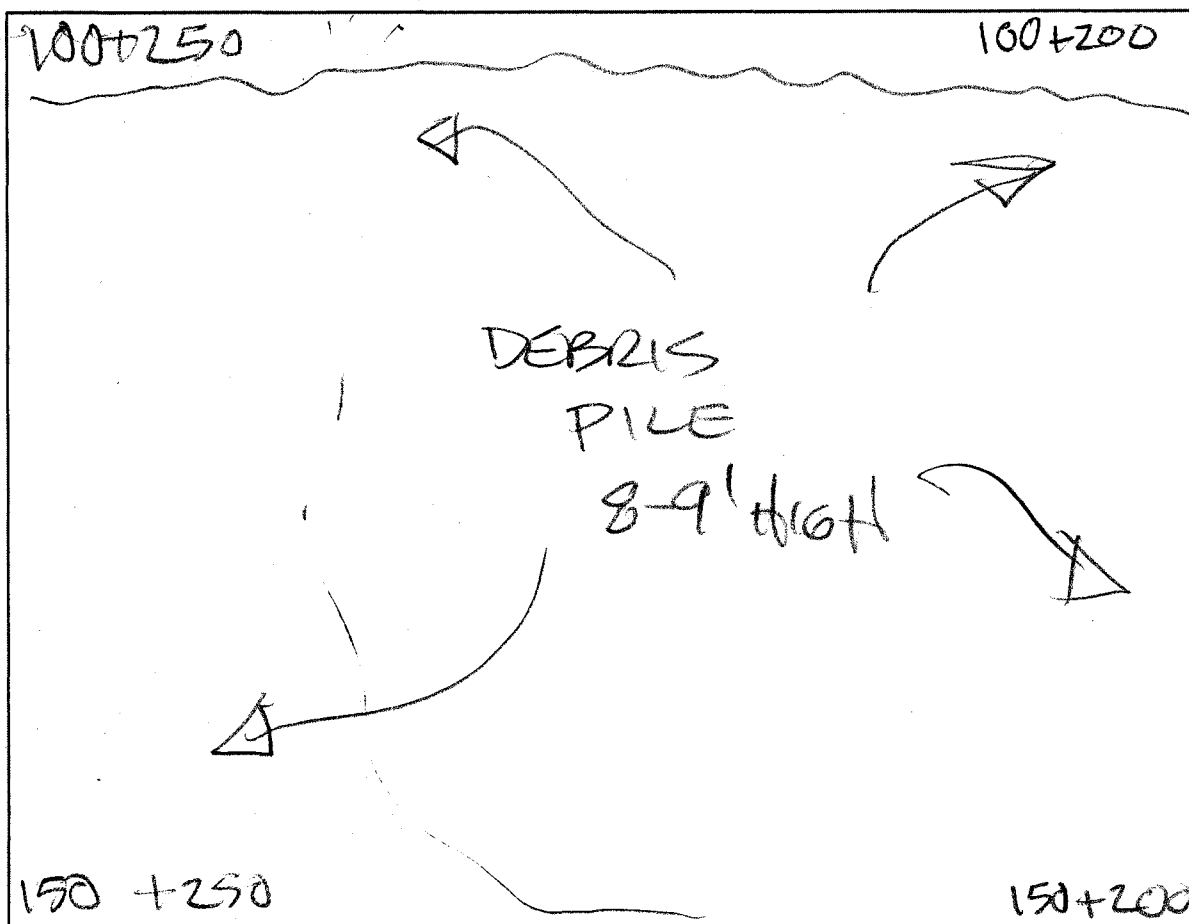
Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

N



Grid Location: E3

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

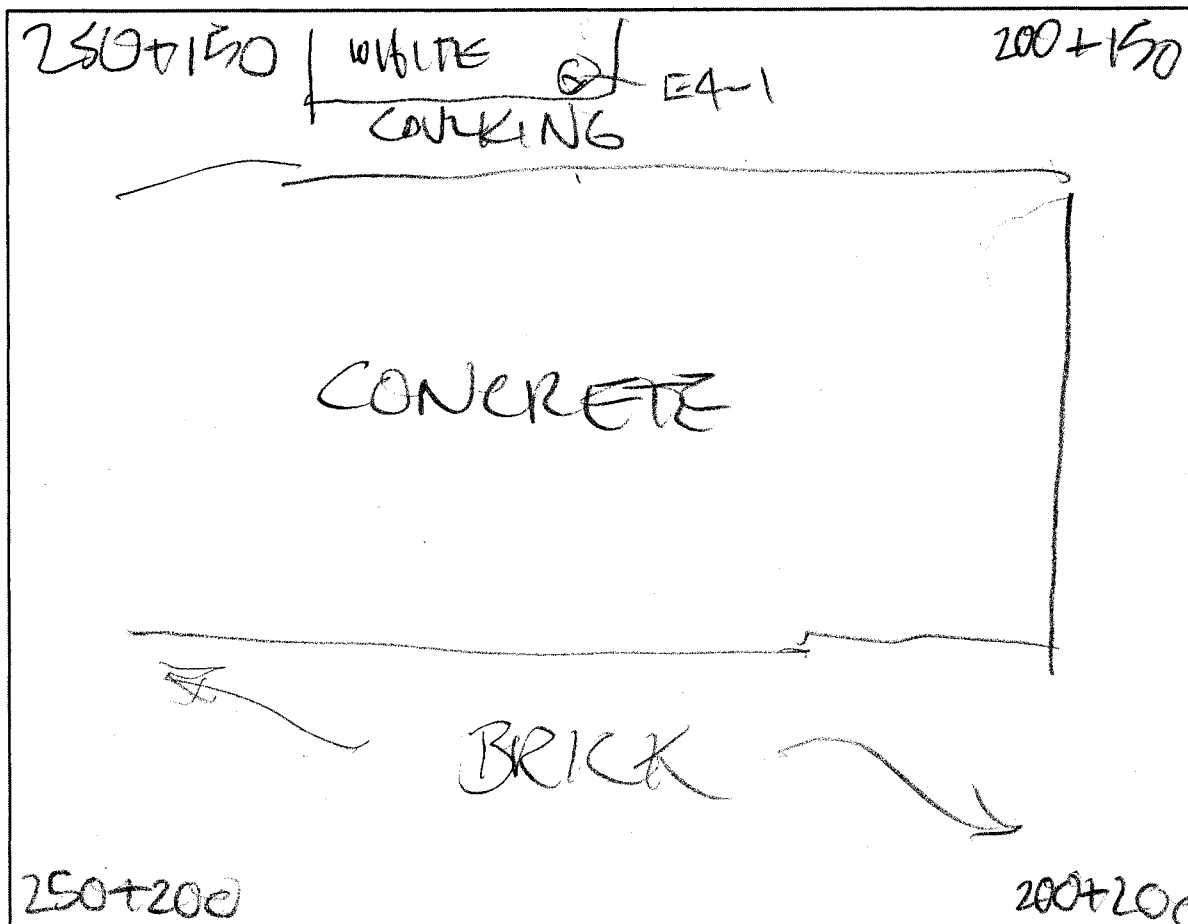
No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

9
N



Grid Location: E4 Map Coordinates: N -N E -E

Description: WHITE CAULKING

PACM Identified:

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description
<u>E4-1</u>	<u>11-6-13</u>		

↑ IV

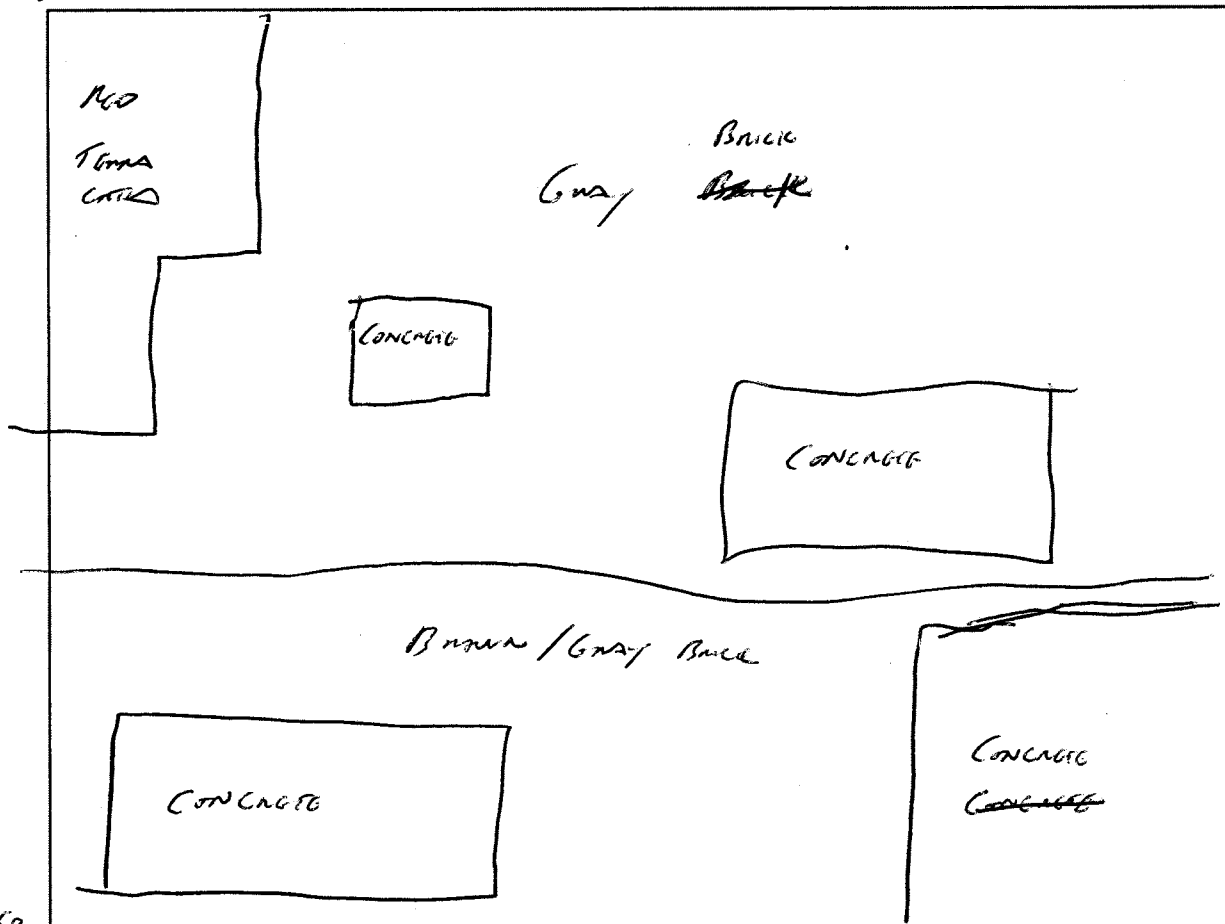
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

250+200

200+200

~~250+250~~

~~200+200~~



250+250

~~250+250~~

~~200+200~~

Grid Location: ~~EA~~ ES

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS LIGHT

Bulk Samples Collected:

Yes

No

Sample Information:

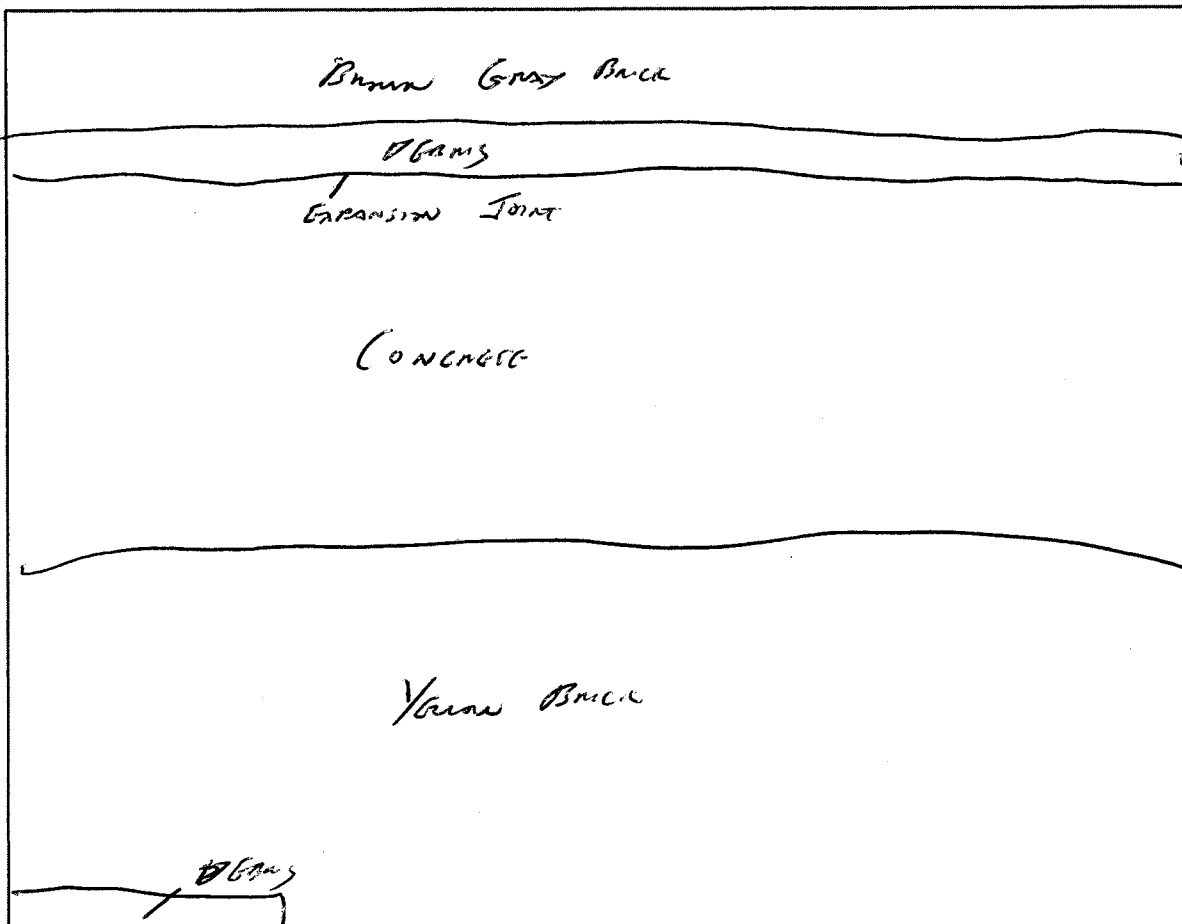
Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

N

250650

20+250



250650

200650

Grid Location: E6

Map Coordinates: N -N E -E

Description:

PACM Identified: EXPANSION JOINT, Misc Plumb

Bulk Samples Collected:

Yes

No

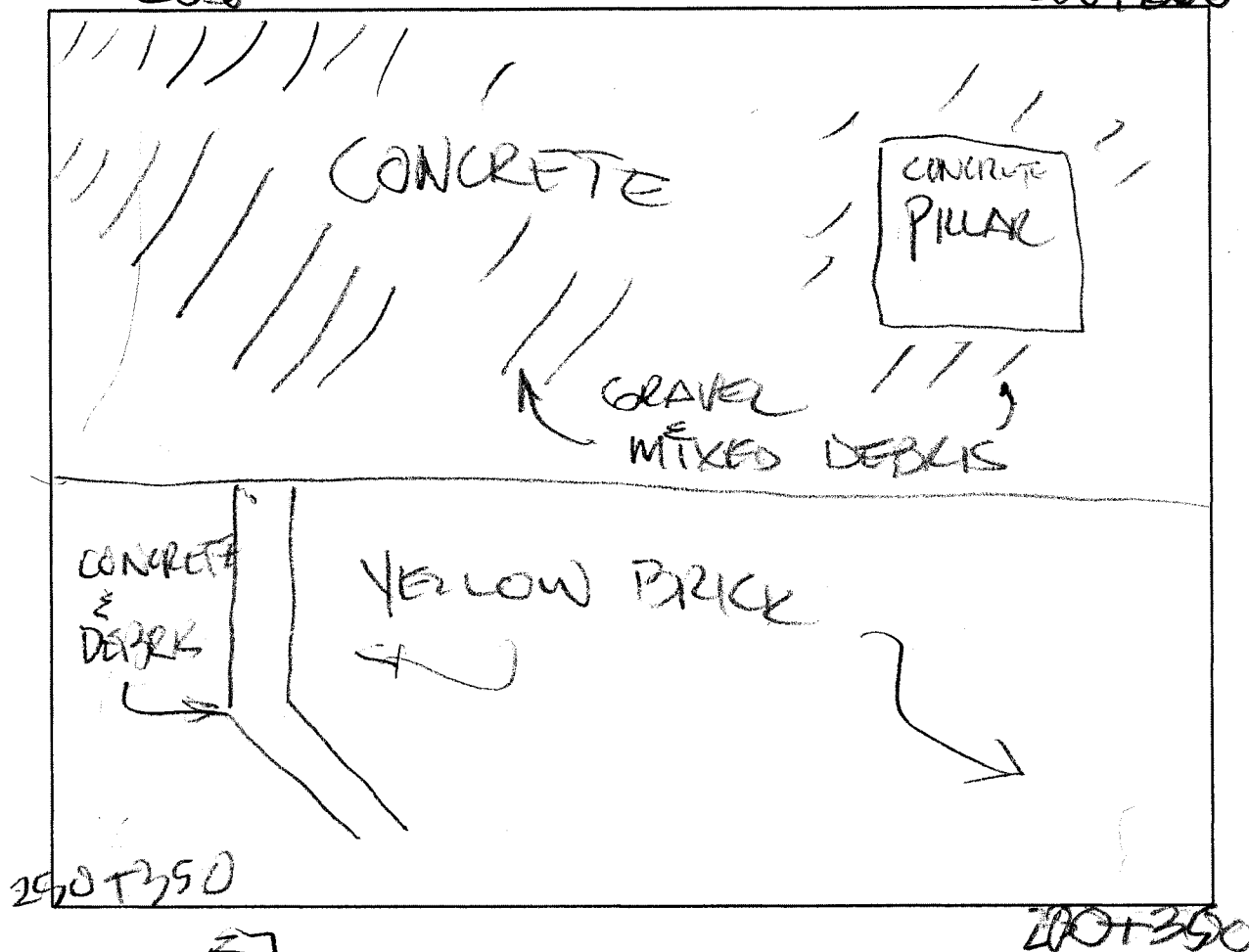
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

250+300

200+300



Grid Location: E7

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

FOR PAPER, BUILT UP ROOFING, GRAY ^{ROOF} SHINGLE

Bulk Samples Collected:

Yes

No

Sample Information:

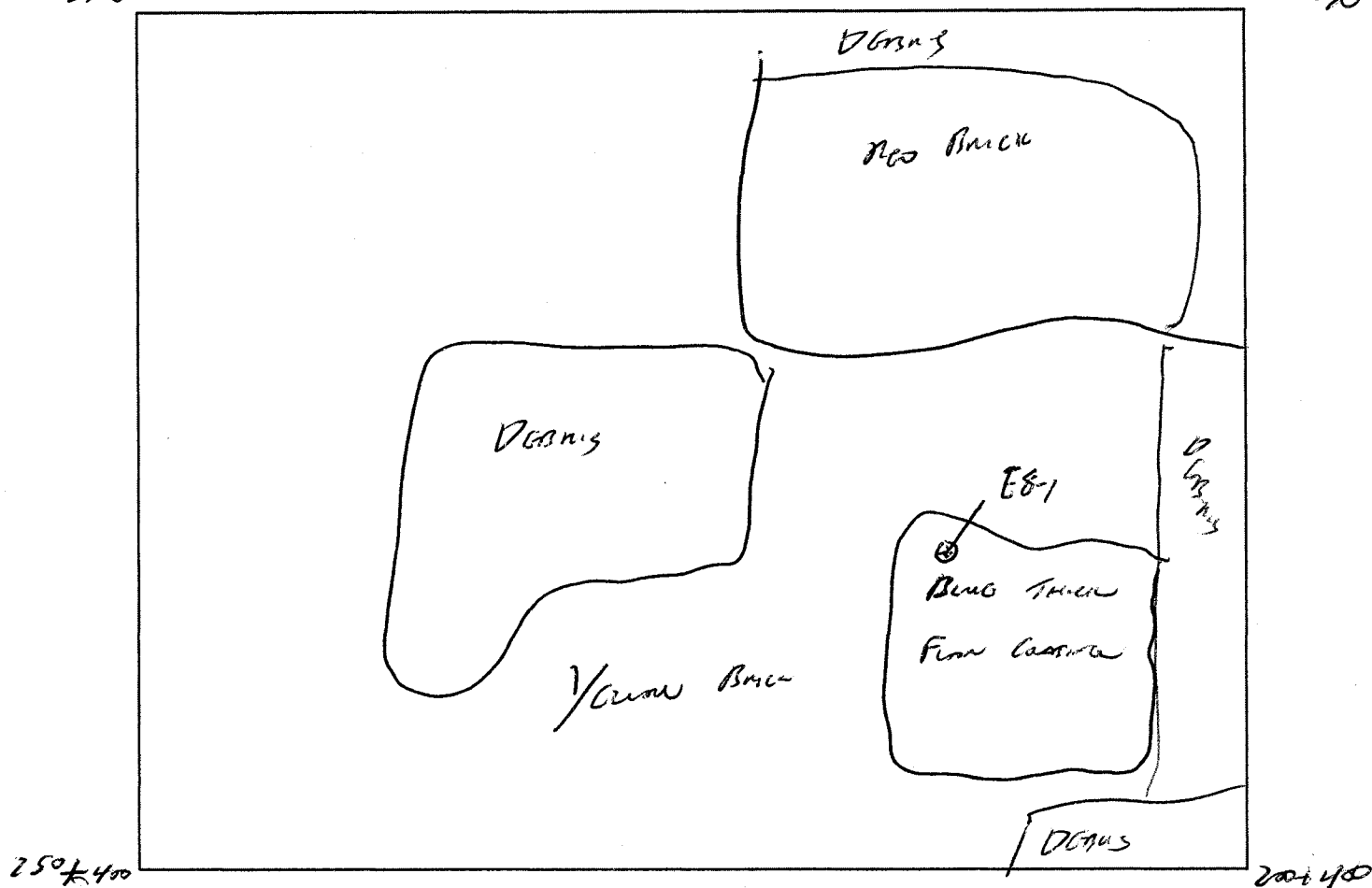
Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

N

250+350

200+350



Grid Location: E8

Map Coordinates: N -N E -E

Description:

PACM Identified: Blue Truck Floor ~~Coating~~ ^{Coating}, MISC Debris

Bulk Samples Collected:

Yes No

Sample Information:

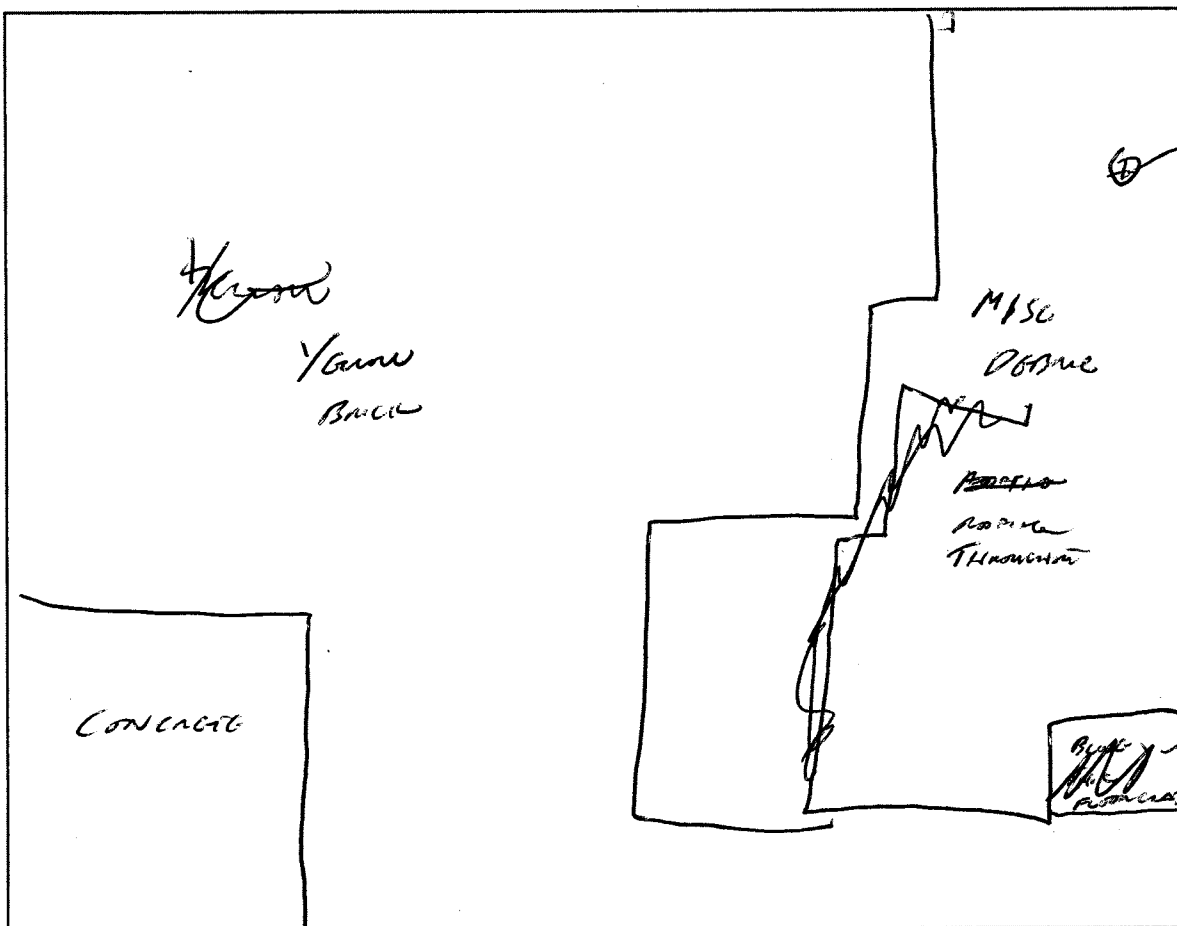
Sample Number	Date	Time	Description
E8-1	11/6/13	09:10	Blue Truck Floor Coating

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

4N

250+400

200+40



250+450

200+450

Grid Location: E9

Map Coordinates: N -N E -E

Description:

(BRICK UP ROOFING, BRICK FLOOR, BRICK COATING ON BRICK)

PACM Identified: MISC DEBRIS, BRICK THICK FLOOR COATING, WHITE ROOF SHINGLES

Bulk Samples Collected:

Yes

No

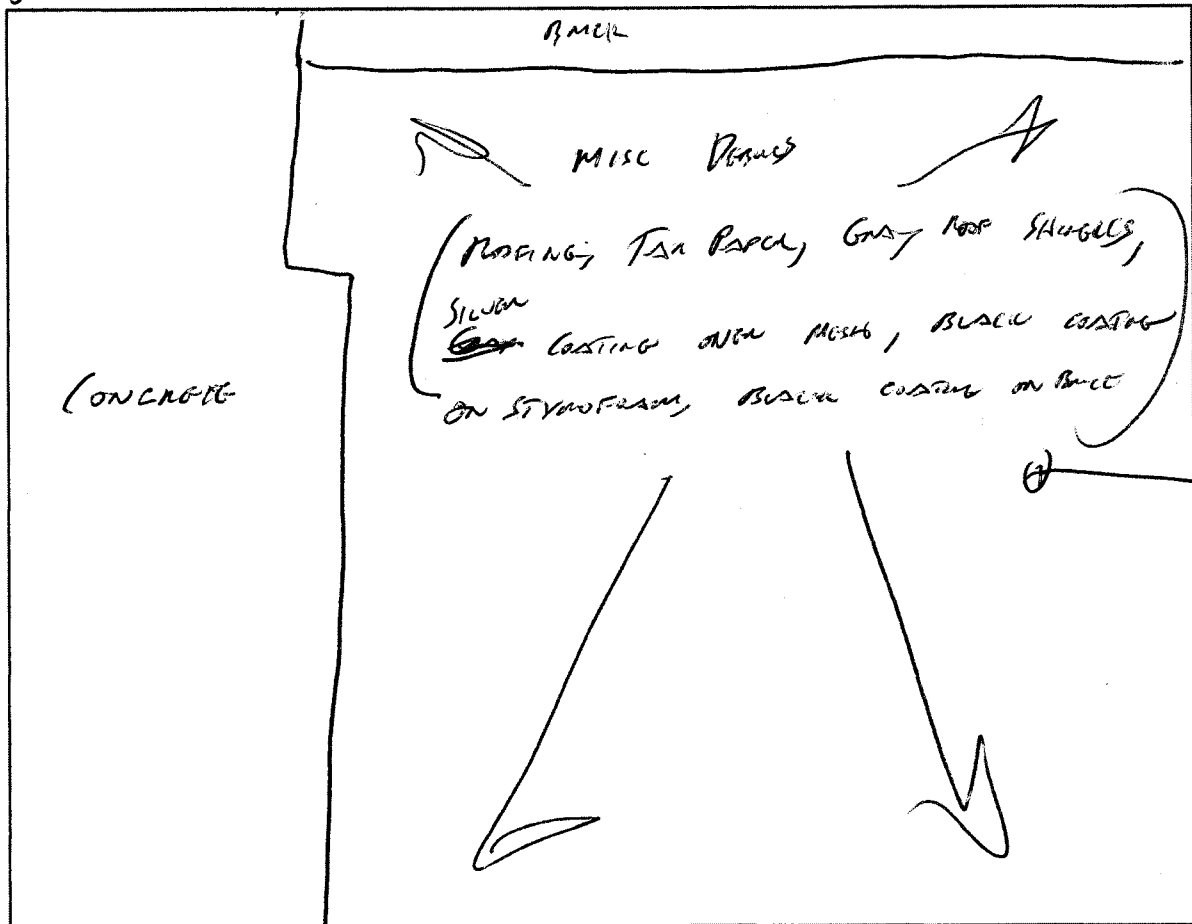
Sample Information:

Sample Number	Date	Time	Description
E9-1	11/6/13	09:20	WHITE ROOF SHINGLES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

2007 450

2507 450



E10-1

2507 500

2007 500

Grid Location: E 10

Map Coordinates: N -N E -E

Description:

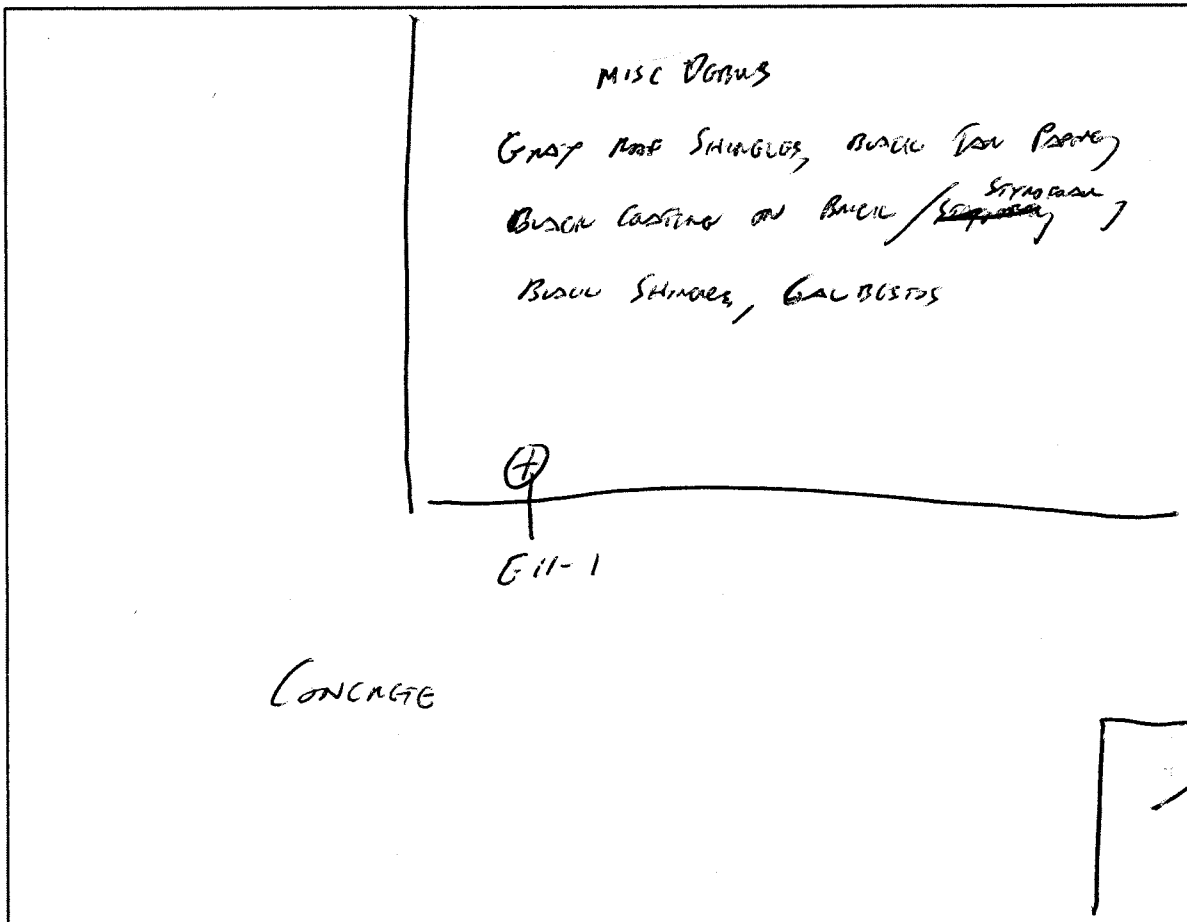
PACM Identified: MISC DEBRIS (SEE ABOVE)

Bulk Samples Collected: ☒ Yes ☐ No

Sample Information:

Sample Number	Date	Time	Description
E10-1	11/6/12	09:30	SILVER MESH COATING OVER PLASTIC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: E11

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (SEE ABOVE)

Bulk Samples Collected:

Yes

No

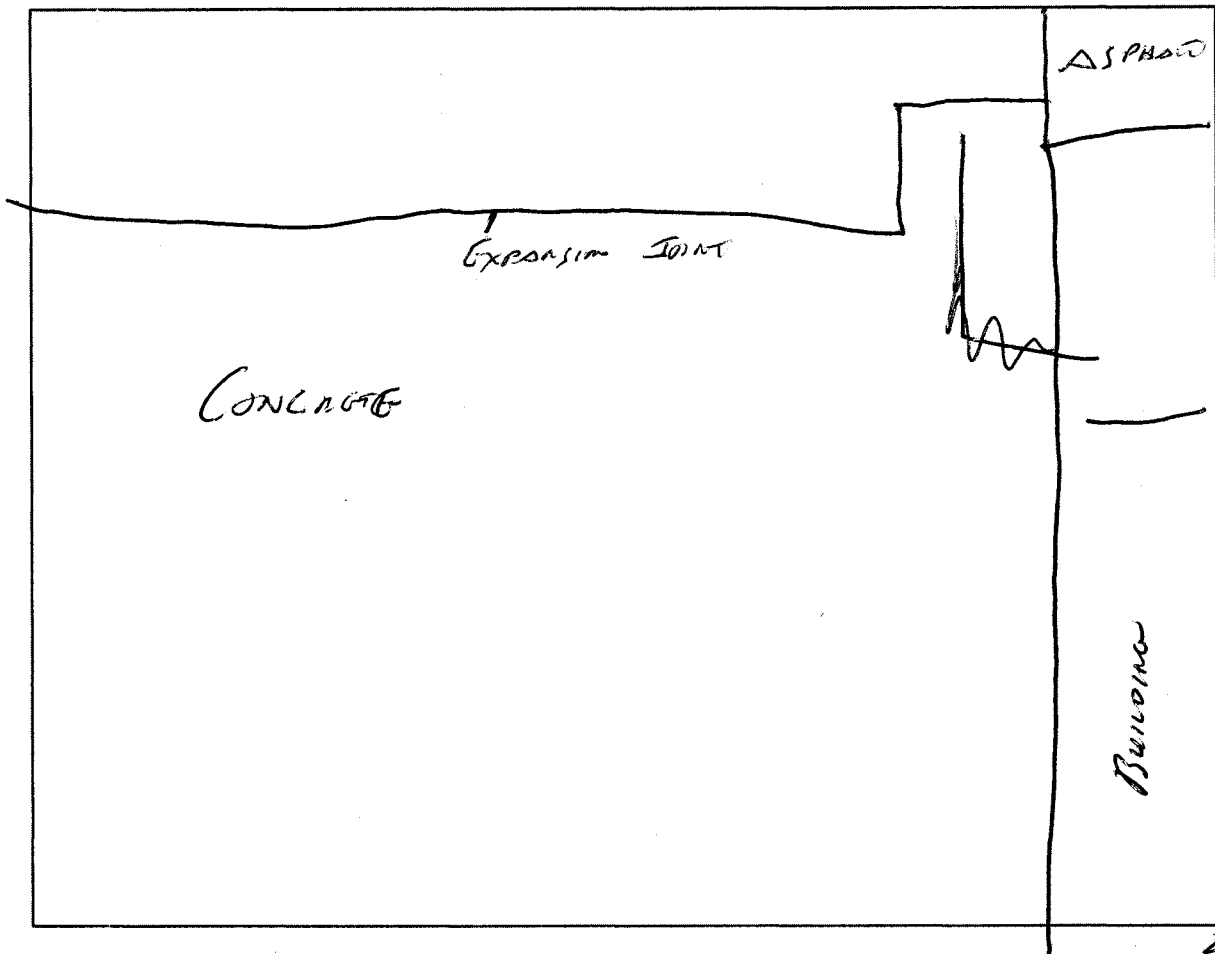
Sample Information:

Sample Number	Date	Time	Description
E11-1	11/6/13	0239	BLACK GALVANIZED ON FLOOR

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

250550

200550



250600

200600

Grid Location: E12

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: EXPANSION JOINT

Bulk Samples Collected:

Yes

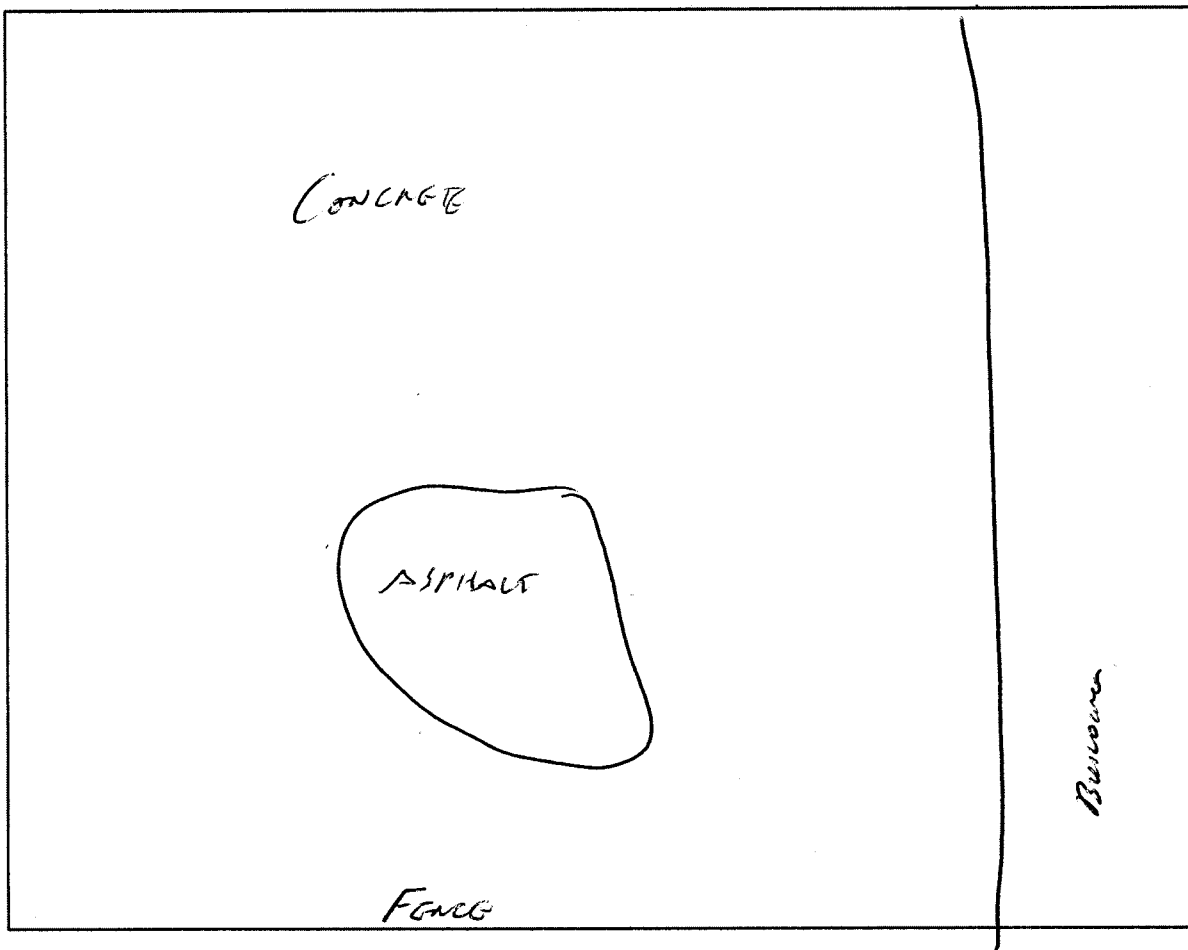
No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

250+100



Grid Location: E13

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: None

Bulk Samples Collected:

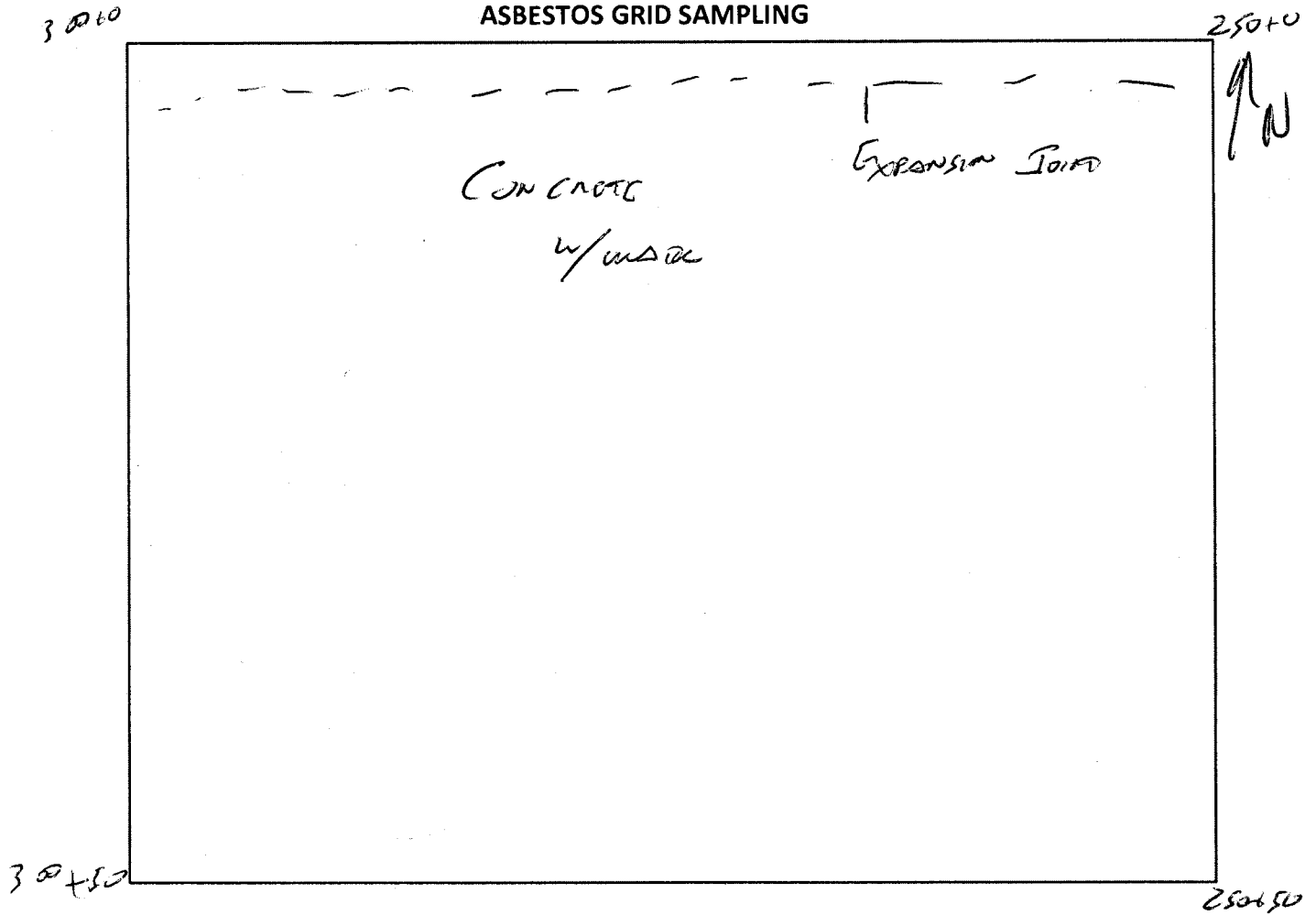
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: F1

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: EXPANSION JOINT

Bulk Samples Collected:

Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

300650

250650

91W

CONC OF W / WATER

EXPANSION JORD

3006100

2506100

Grid Location: PZ

Map Coordinates: N -N E -E

Description:

PACM Identified: Expansion JORD

Bulk Samples Collected: Yes No

Sample Information:

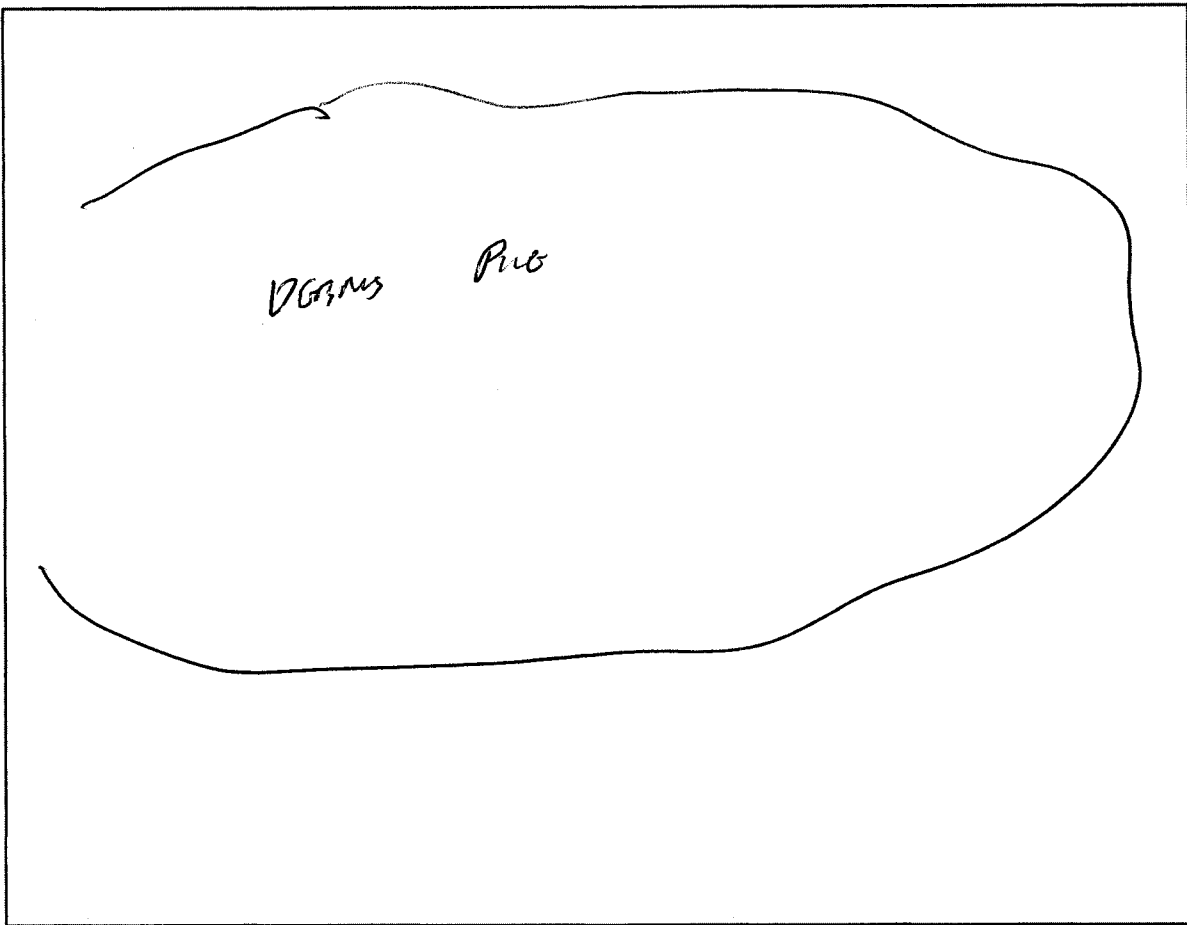
Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

300+100

250+100

↑ N



300+150

250+150

Grid Location: F3

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

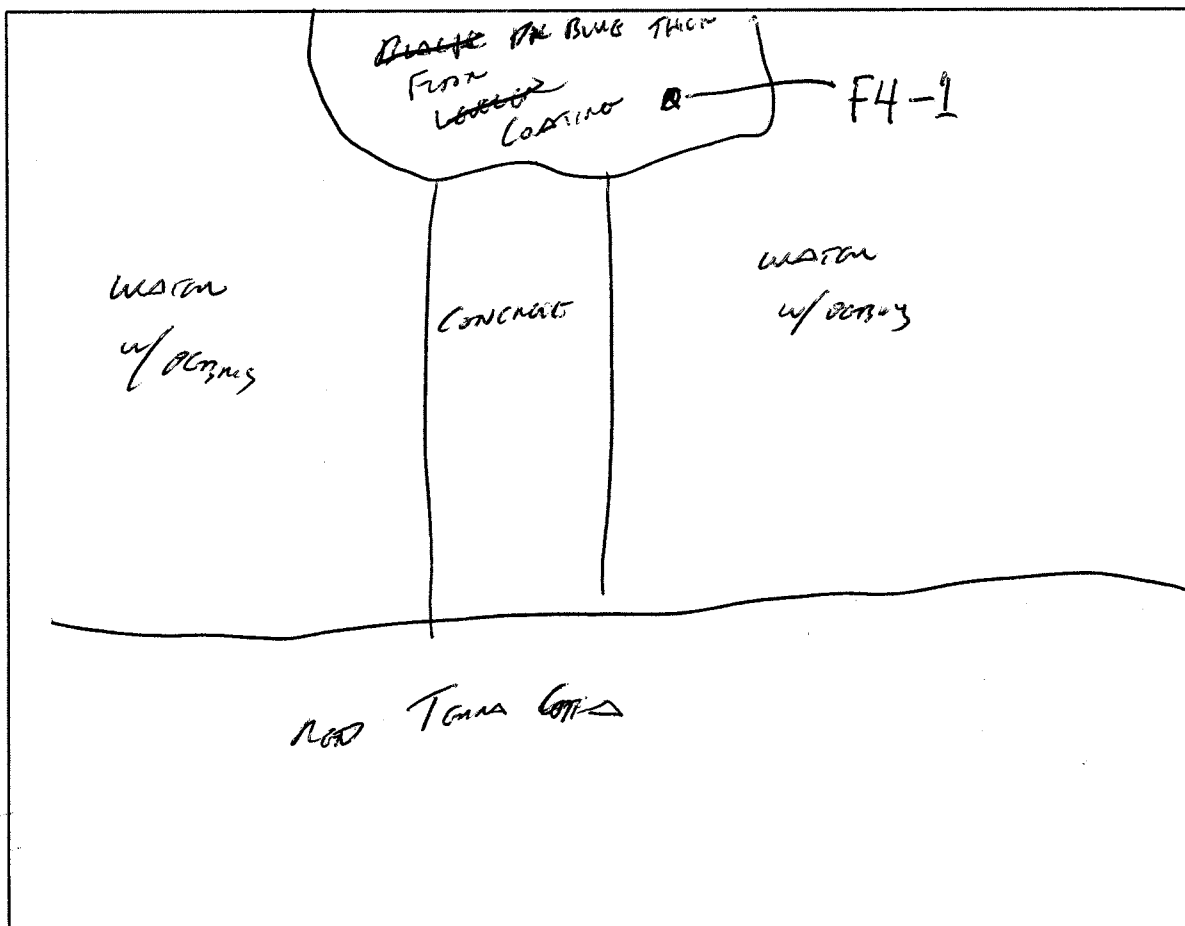
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

150
300+150

250+150



9/10

300+200

250+200

Grid Location: F4

Map Coordinates: N -N E -E

Description:

Black Thick

PACM Identified: MISC DEBRIS (SEE THROUGH) (SEE PREVIOUS), Black Firm Loose COATING

Bulk Samples Collected:

Yes

No

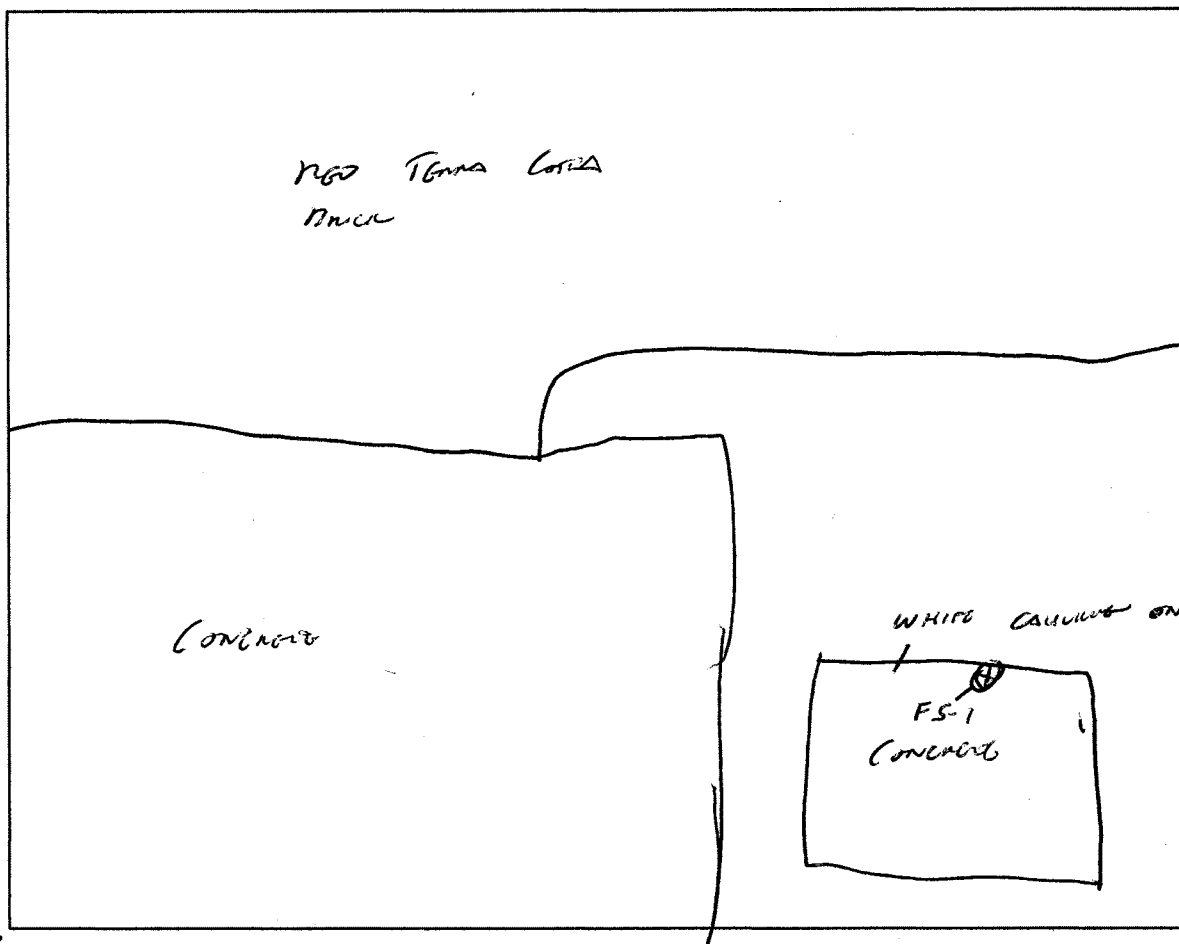
Sample Information:

Sample Number	Date	Time	Description
F4-1	11/6/13	19:42	Black Thick Firm COATING

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

300+20

250+20



Grid Location: FS

Map Coordinates: N -N E -E

Description:

PACM Identified: WHITE CAULKING ON SEAM, MINOR MISC DEBRIS THROUGHOUT

Bulk Samples Collected: ☒ Yes ☐ No

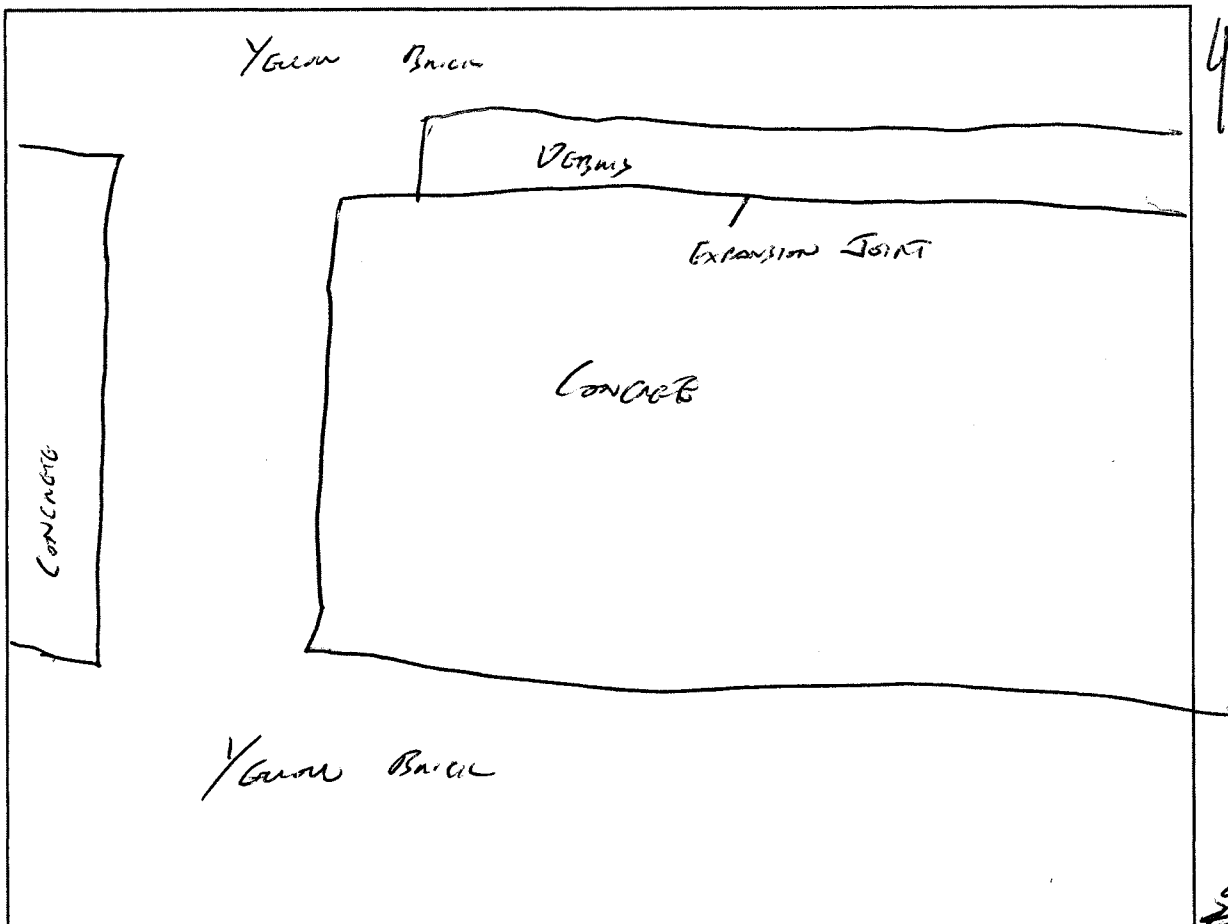
Sample Information:

Sample Number	Date	Time	Description
FS-1	11/6/13	10:35	WHITE CAULKING ON SEAM

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

30+25

250+250



Grid Location: F6

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SGG PROGRAM), Expansion Joint

Bulk Samples Collected:

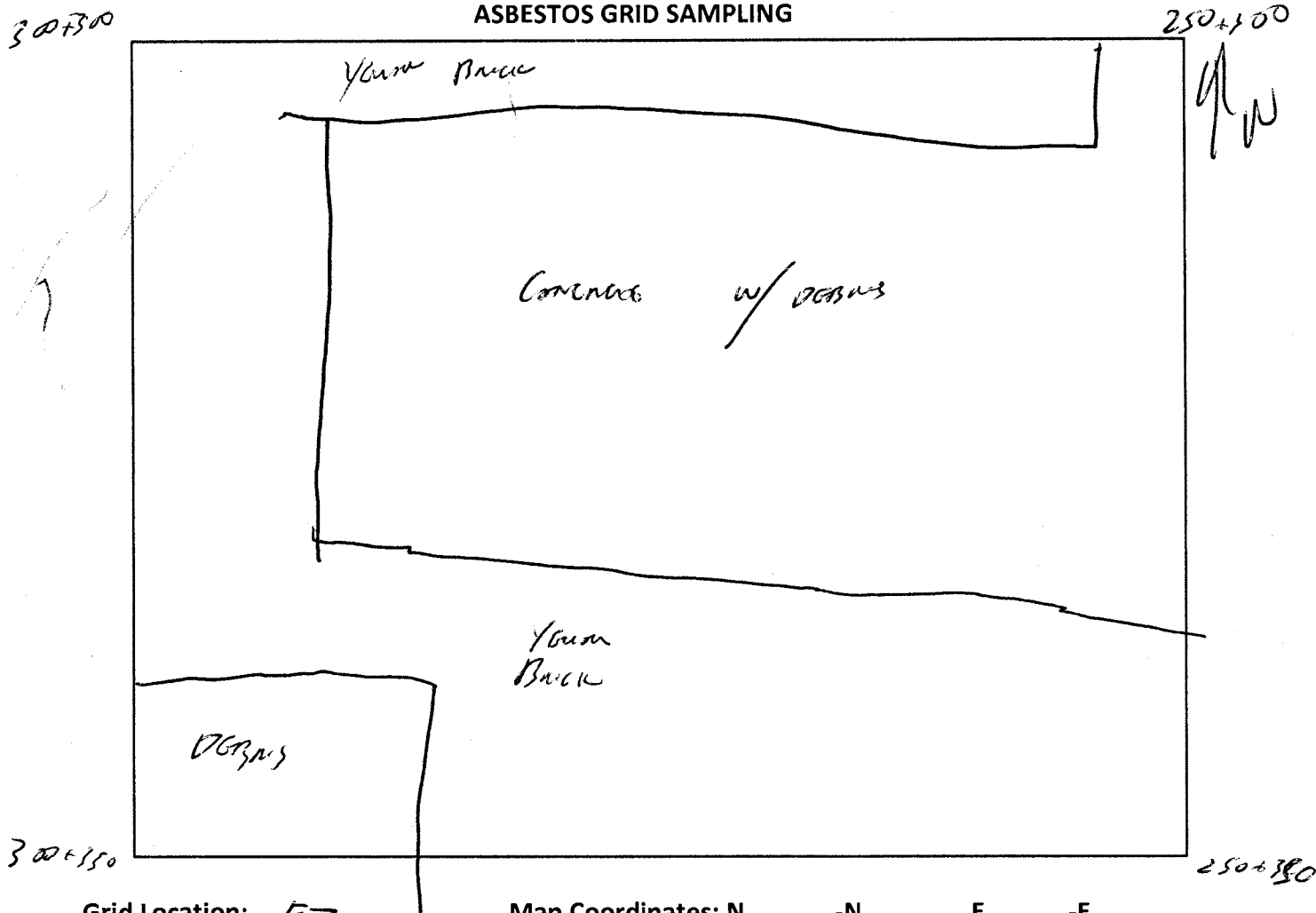
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: *F7*

Map Coordinates: N -N E -E

Description:

PACM Identified: *Misc Debris (See Pattern)*

Bulk Samples Collected: Yes ☒ No

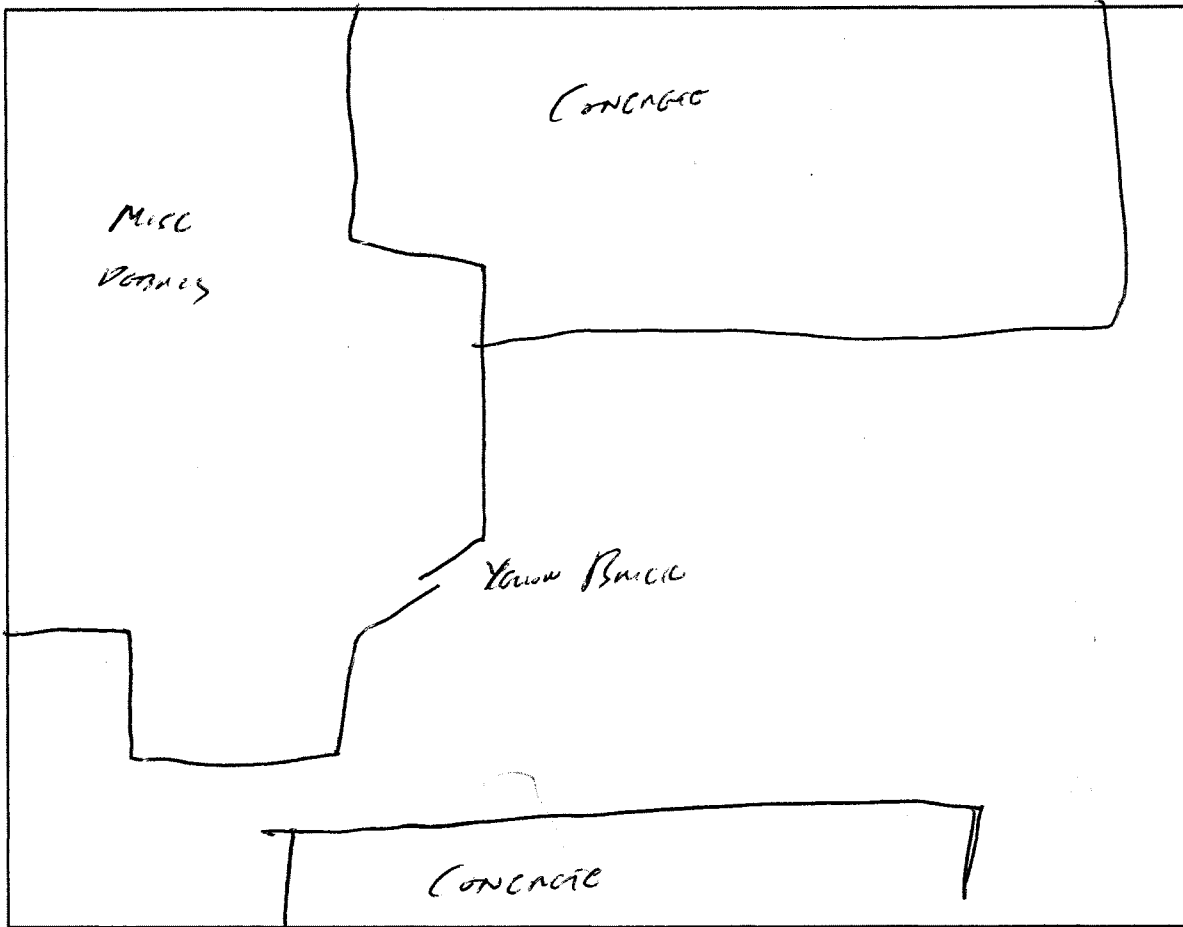
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

300-350

250-350



300-400

250-400

Grid Location: F8

Map Coordinates: N -N E -E

Description:

PACM Identified: Misc DEBRIS (SEE PACM#s)

Bulk Samples Collected: Yes No

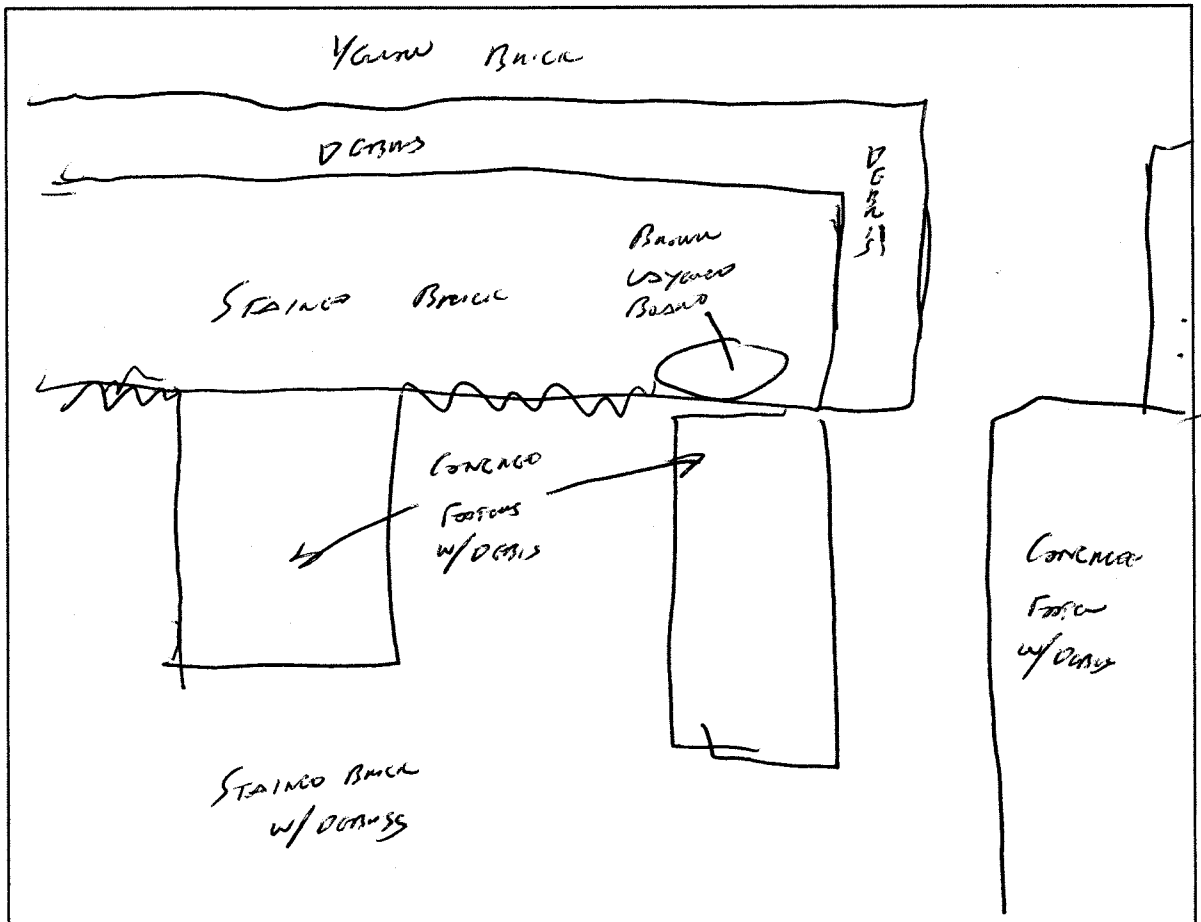
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

300 to 400

250 to 400



300 to 450

250 to 450

Grid Location: F9

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (BUILT UP PROFILE, SEE PREVIOUS), BROWN LAYERED BOARD

Bulk Samples Collected: Yes No

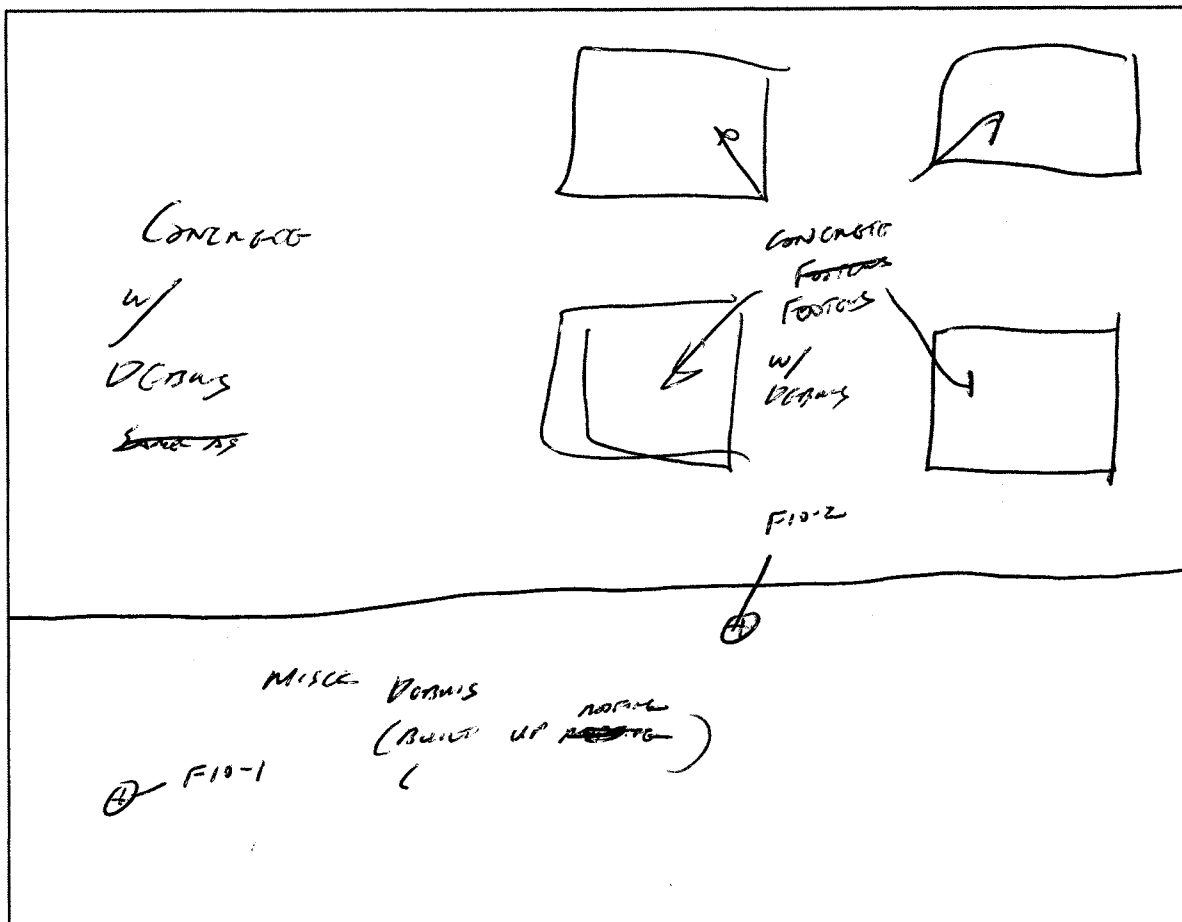
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

300+450

250+750



300+500
250+550

250+50

Grid Location: F10

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: GRAY/BLACK MESH CARBON CLOTH, BLACK ~~GLASS~~ GLASS, BUILT UP ROOFING

Bulk Samples Collected:

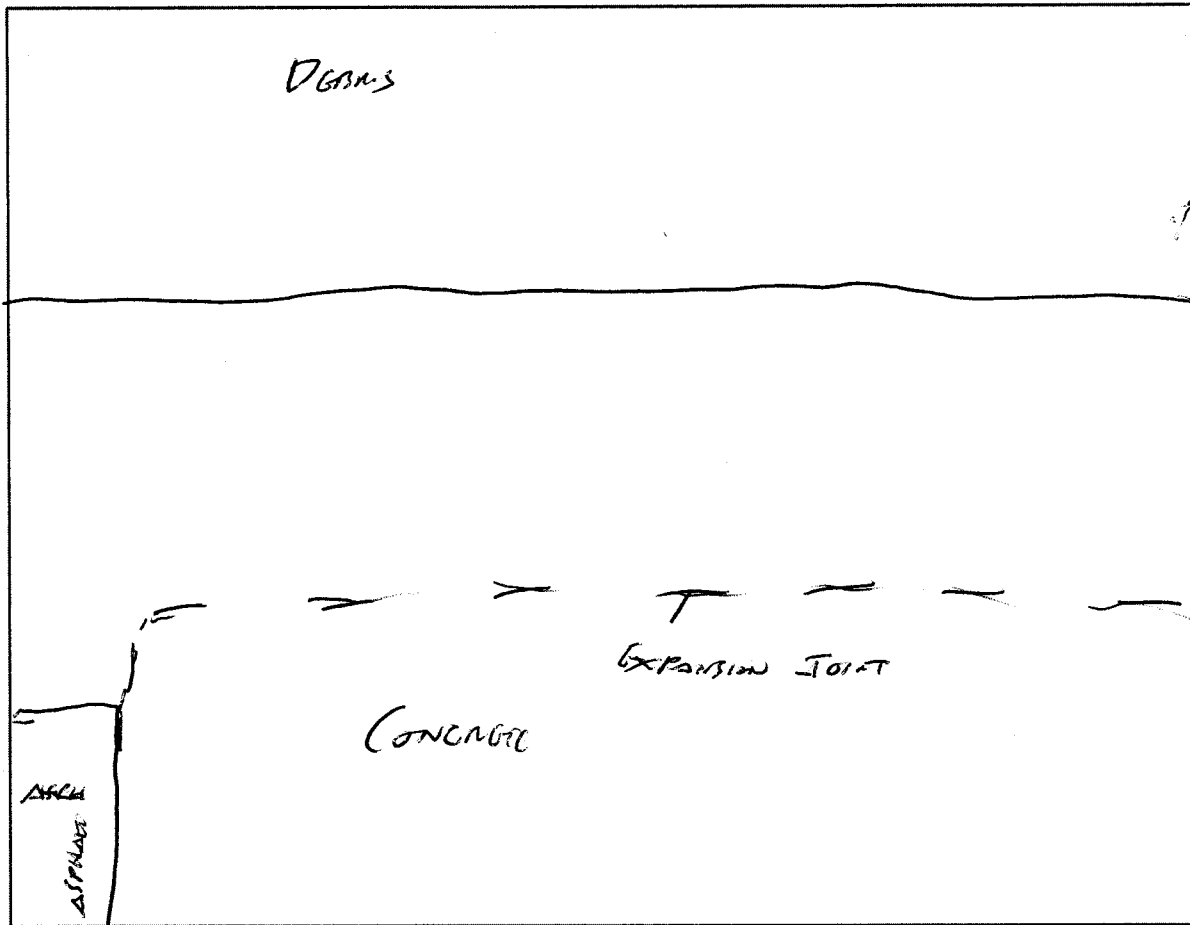
Yes

No

Sample Information:

Sample Number	Date	Time	Description
F10-1	11/6/13	10:05	GRAY/BLACK MESH CARBON CLOTH
F10-2	11/6/13	10:05	BLACK GLASS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: F11

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DGM-3 (BUILT UP PROFILE), AND MISC MATERIALS

Bulk Samples Collected: Yes ☒ No ☐

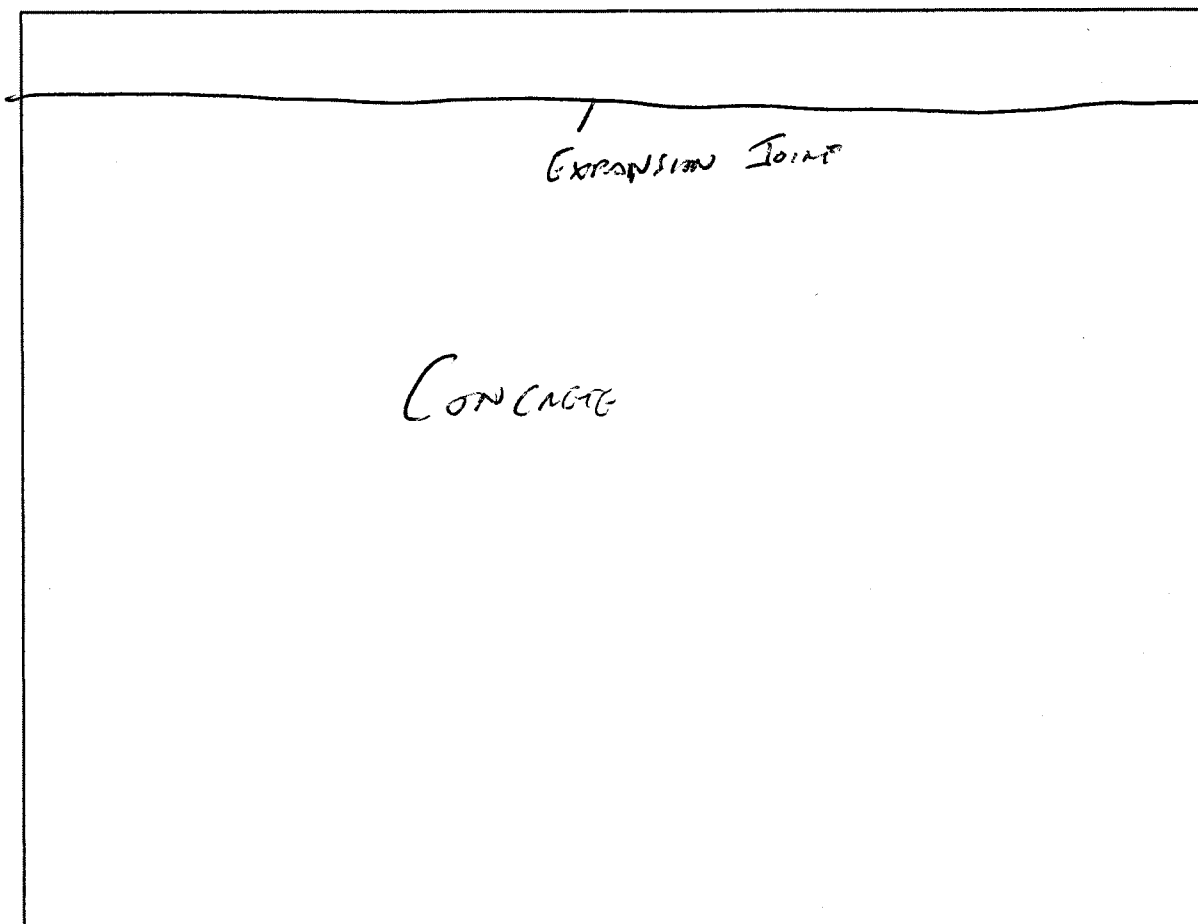
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

300+550

250+550



300+600

250+600

Grid Location: F12

Map Coordinates: N -N E -E

Description:

PACM Identified: EXPANSION JOINT

Bulk Samples Collected: Yes ☒ No

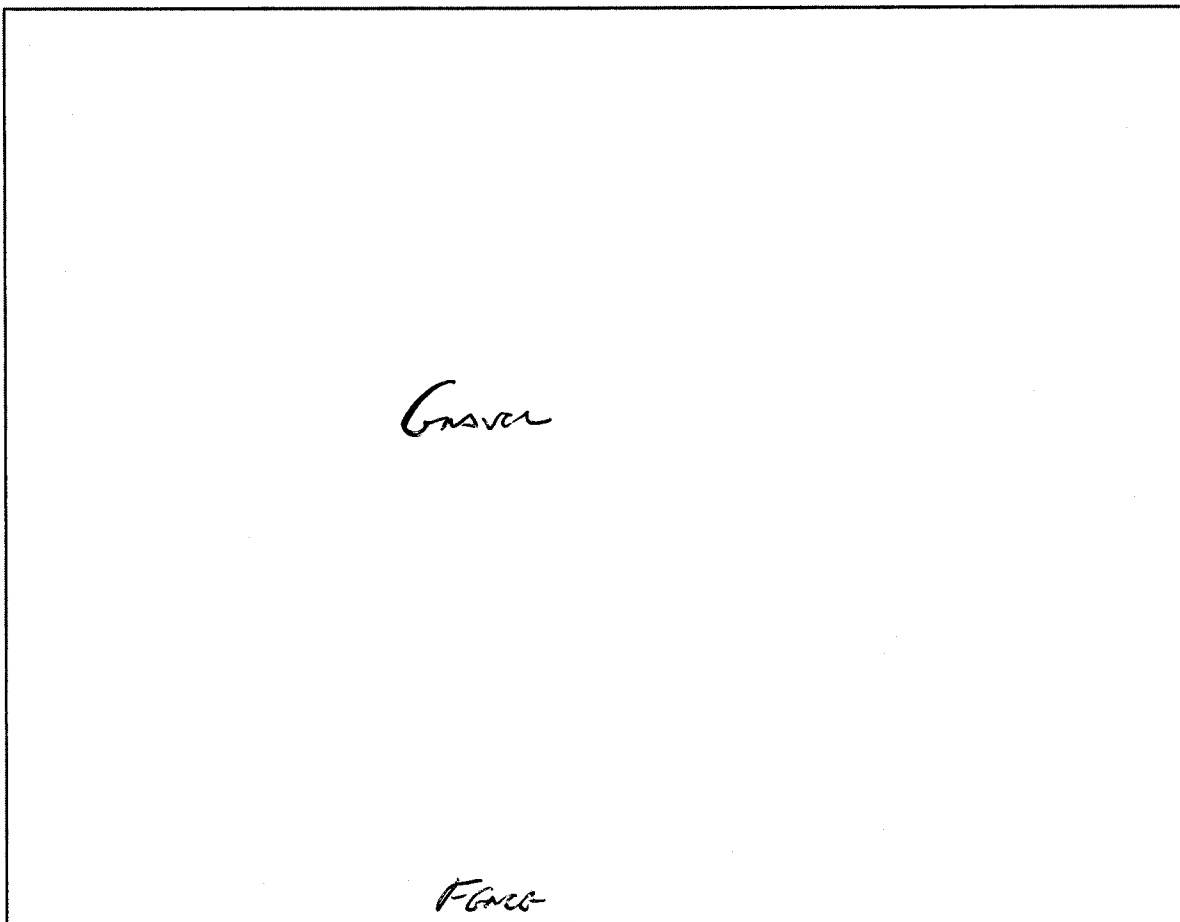
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

30160

250160



Grid Location: F13

Map Coordinates: N -N E -E

Description:

PACM Identified: NO

Bulk Samples Collected:

Yes

No

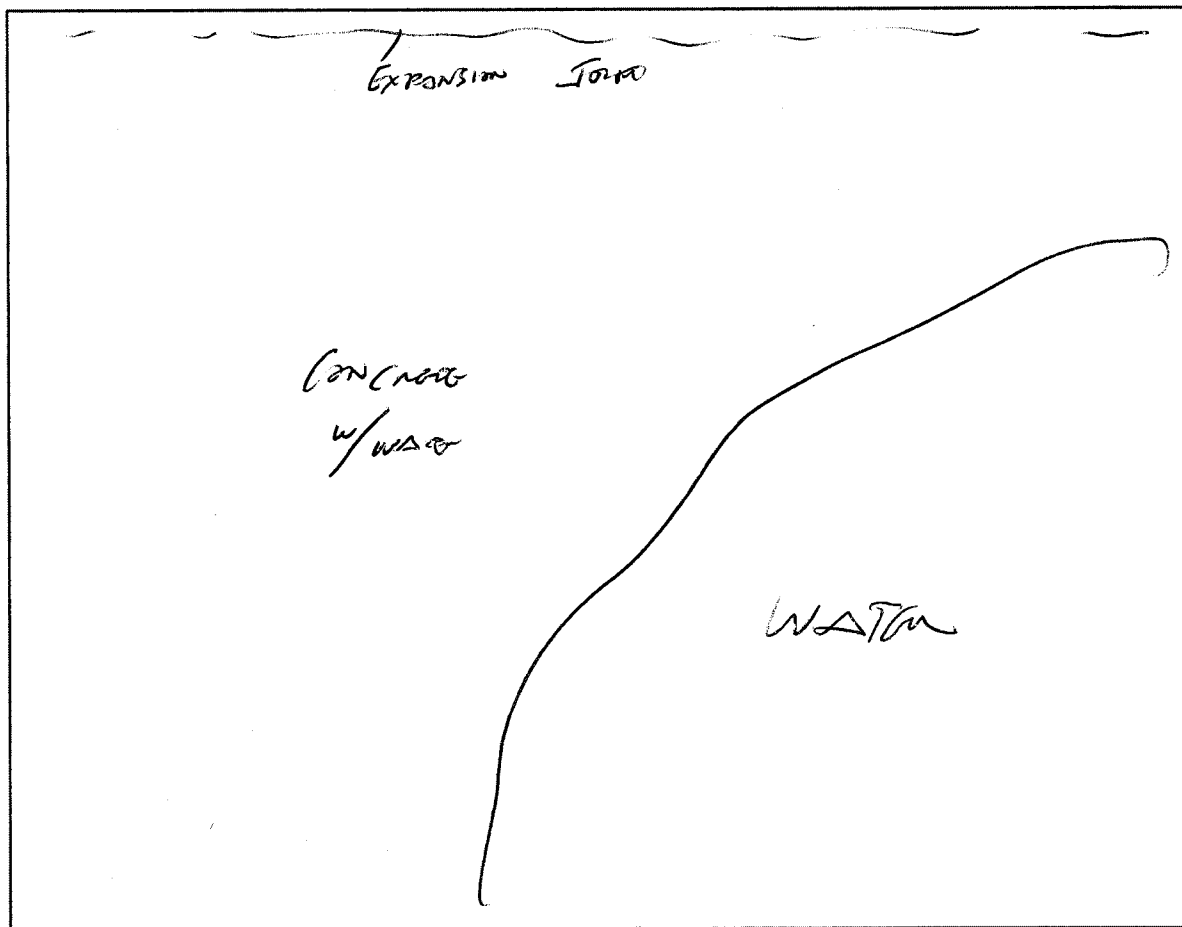
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

350+0

300+0



50
350+50

300+50

Grid Location: G1

Map Coordinates: N -N E -E

Description:

PACM Identified: EXPANSION ROAD

Bulk Samples Collected:

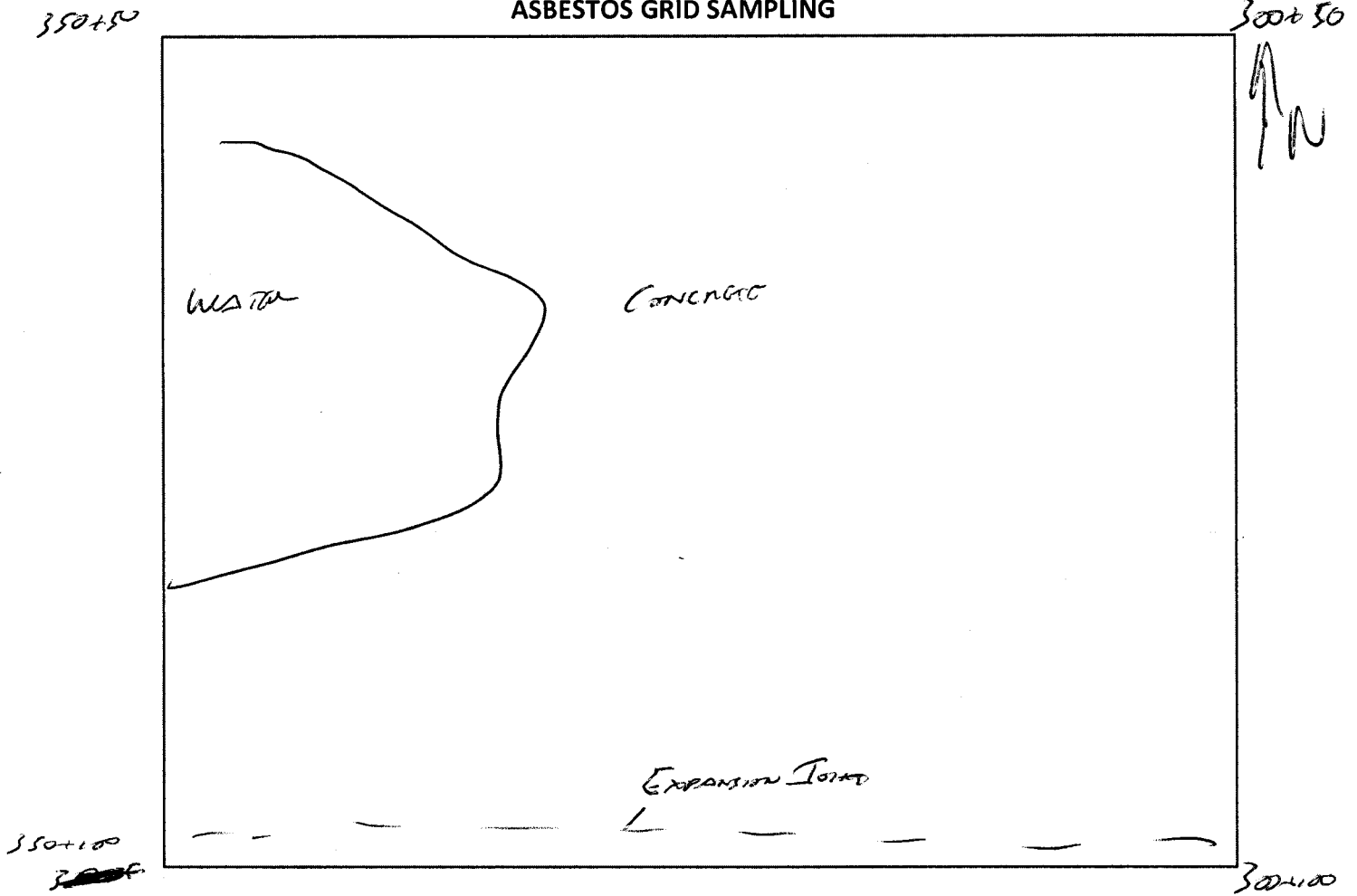
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: 62

Map Coordinates: N -N E -E

Description:

PACM Identified: EXPANSION JOINT

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

350+100

300+100

41 N

VERBOS PLO

350+150

300+150

Grid Location: G3

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

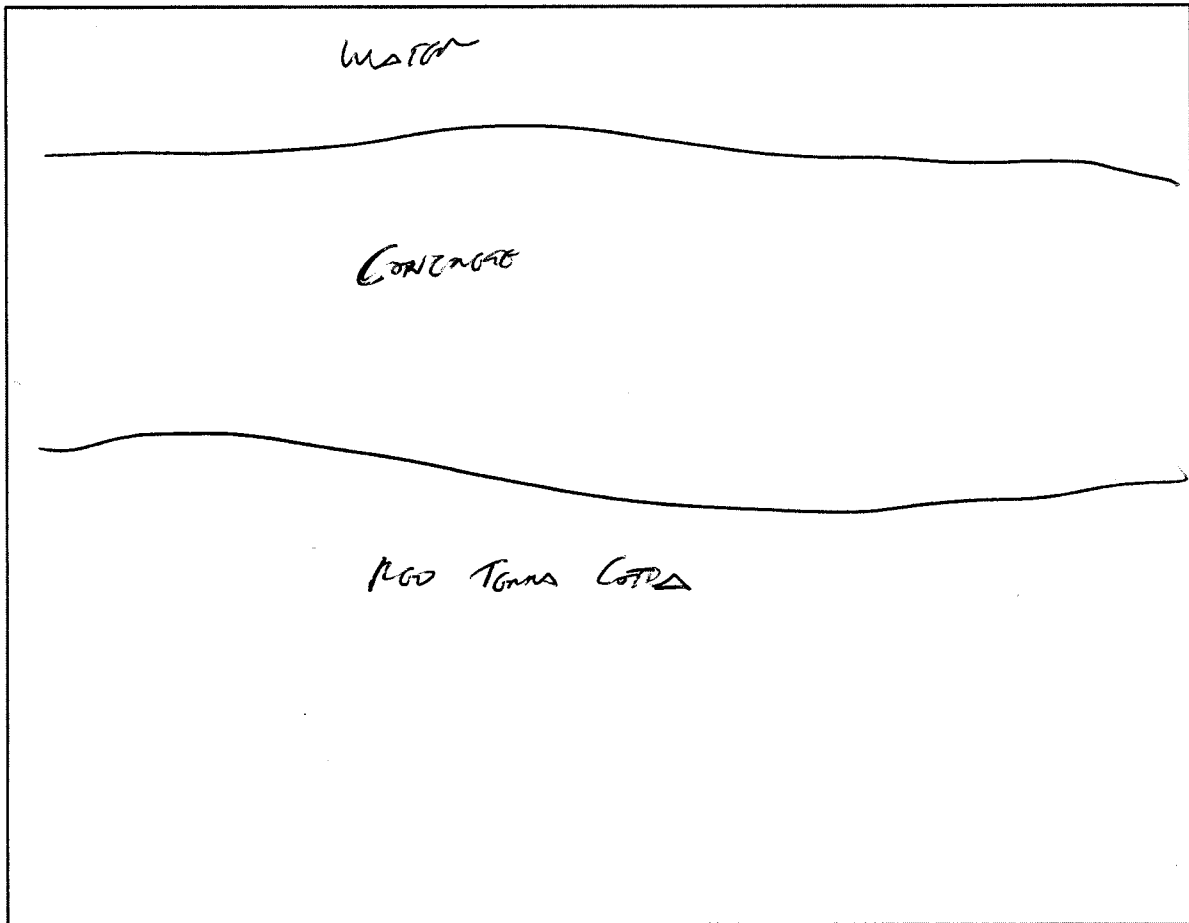
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

350+150

300+150



350+200

300+200

Grid Location: G4

Map Coordinates: N -N E -E

Description:

PACM Identified: MINOR DEBRIS (SEE PROGRAMS) w/TRANSIRE

Bulk Samples Collected:

Yes

No

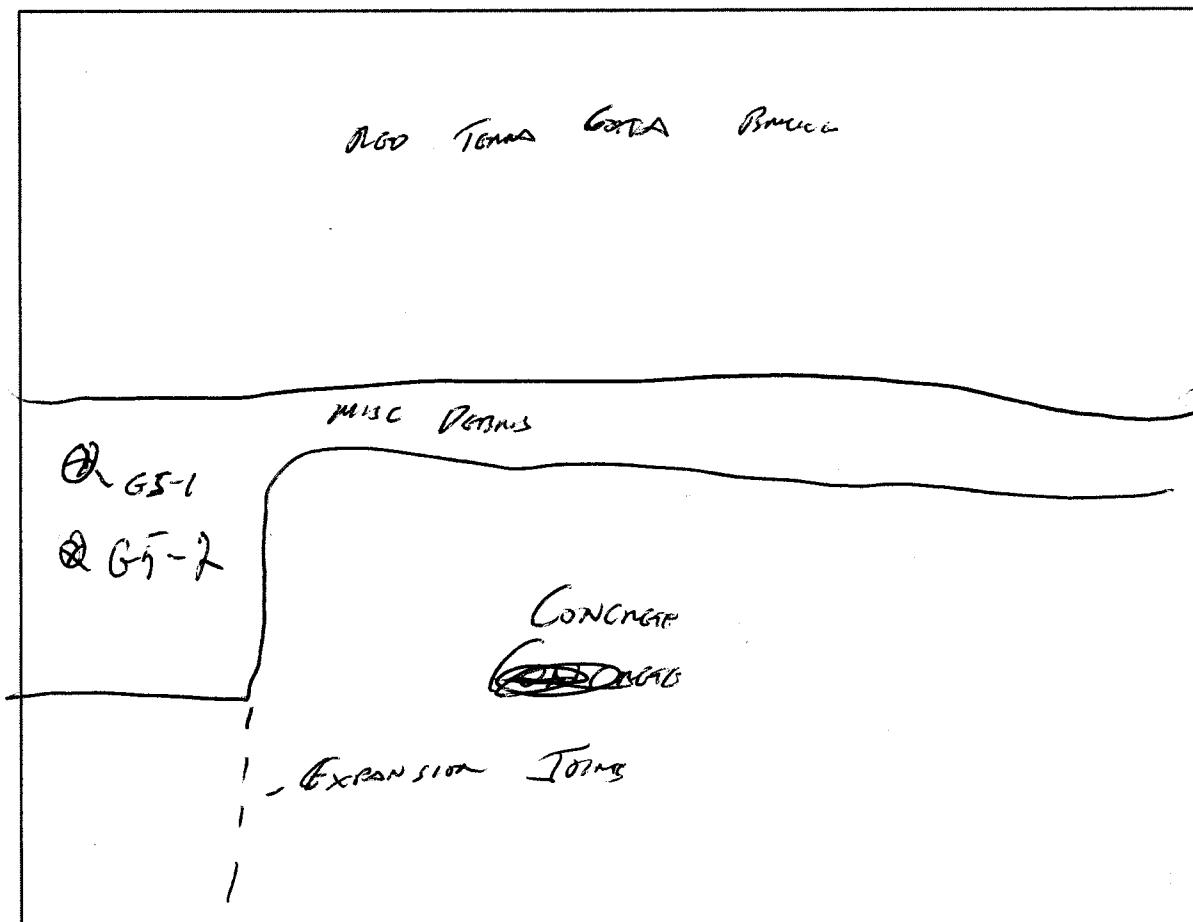
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

3504200

300+200



3504200

300+250

Grid Location: GS

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DORMS (500 PAGES) W/BLACK ROOF FLASHING CONCRETE, EXPANSION JOINT, SILVER MESH COATING OVER FLASHING

Bulk Samples Collected: ☒ Yes ☐ No

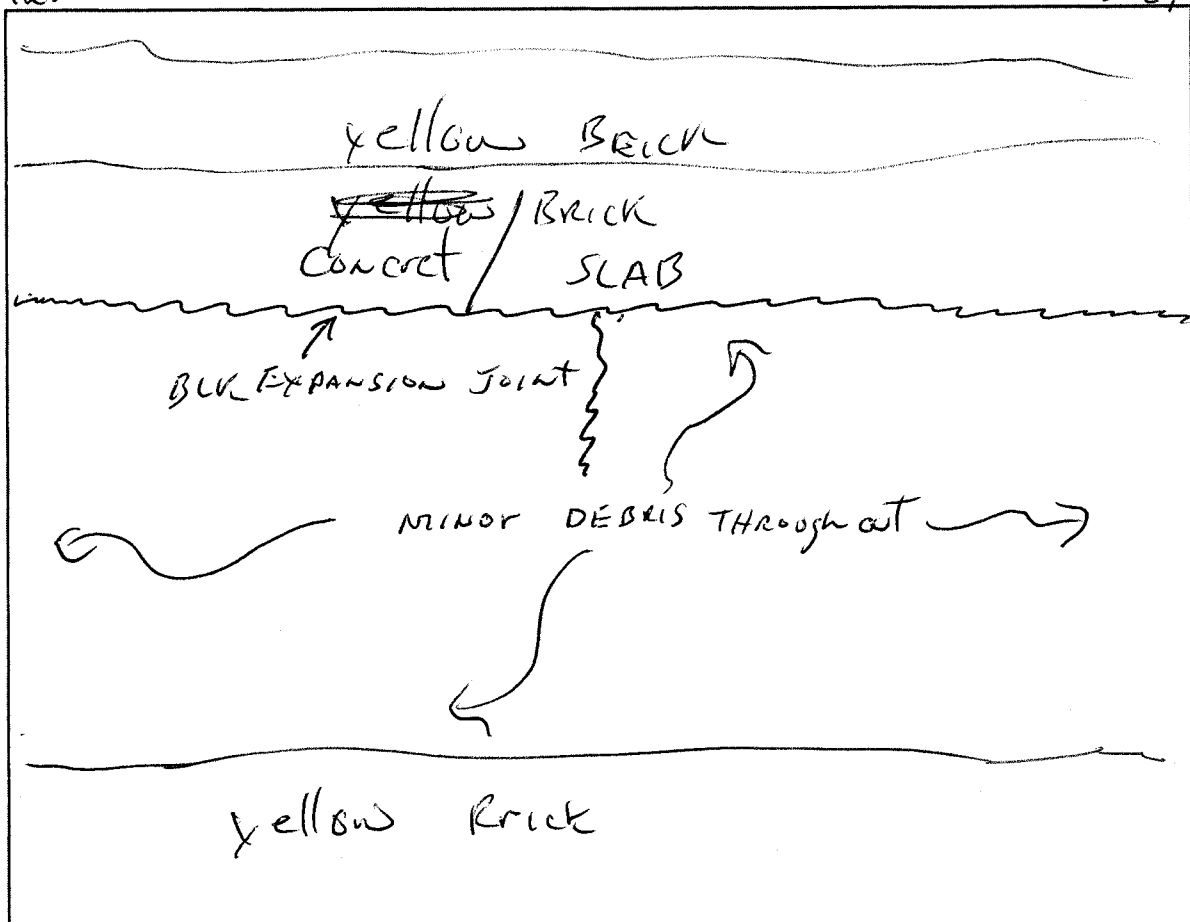
Sample Information:

Sample Number	Date	Time	Description
GS-1	4/6/13	1106	BLACK ROOF FLASHING CONCRETE
GS-2	4/6/13	1110	SILVER MESH COATING OVER FLASHING

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

300+250

300+256



350+300

Grid Location: G6

Map Coordinates: N

-N

E

-E

300+306

Description:

PACM Identified: MISL. DEBRIS THROUGHOUT

Bulk Samples Collected:

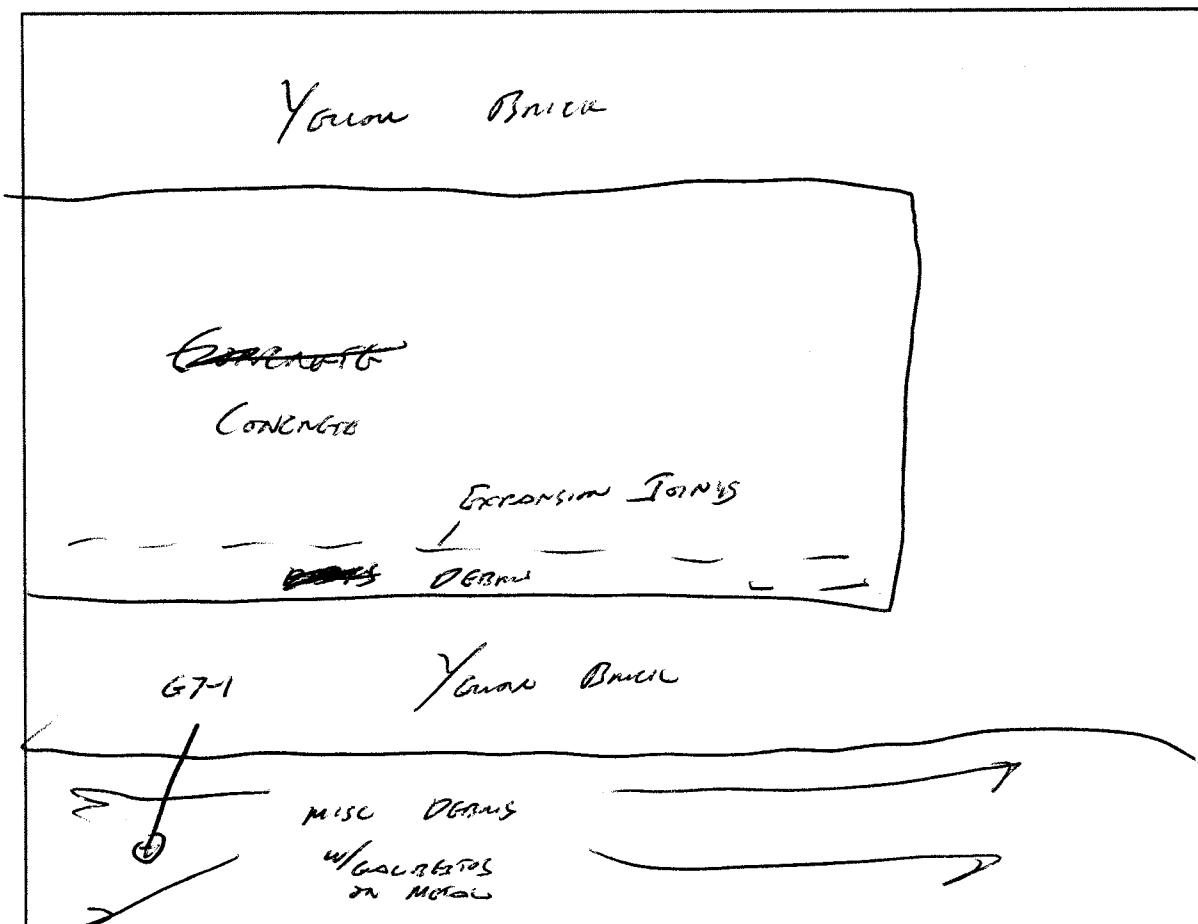
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: G7

Map Coordinates: N -N E -E

Description:

PACM Identified: EXPANSION JOINTS, MISC DEBRIS (SEE ABOVE), ~~GASTROSTES~~
GASTROSTES ON METAL

Bulk Samples Collected: ☒ Yes ☐ No

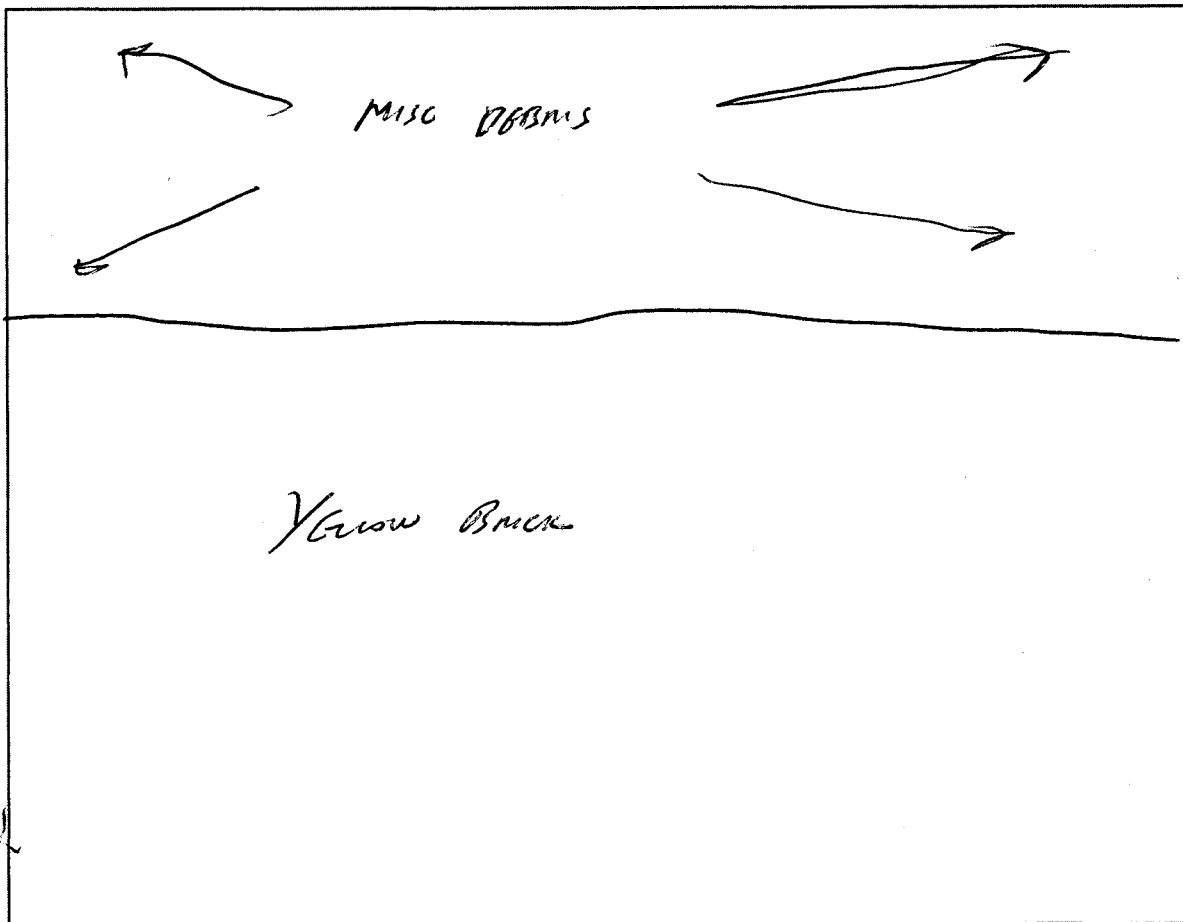
Sample Information:

Sample Number	Date	Time	Description
G7-1	11/6/13	11130	18 BLACK GASTROSTES ON METAL

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

350+350

300+350



Grid Location: G8

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (See Previous)

Bulk Samples Collected: Yes No

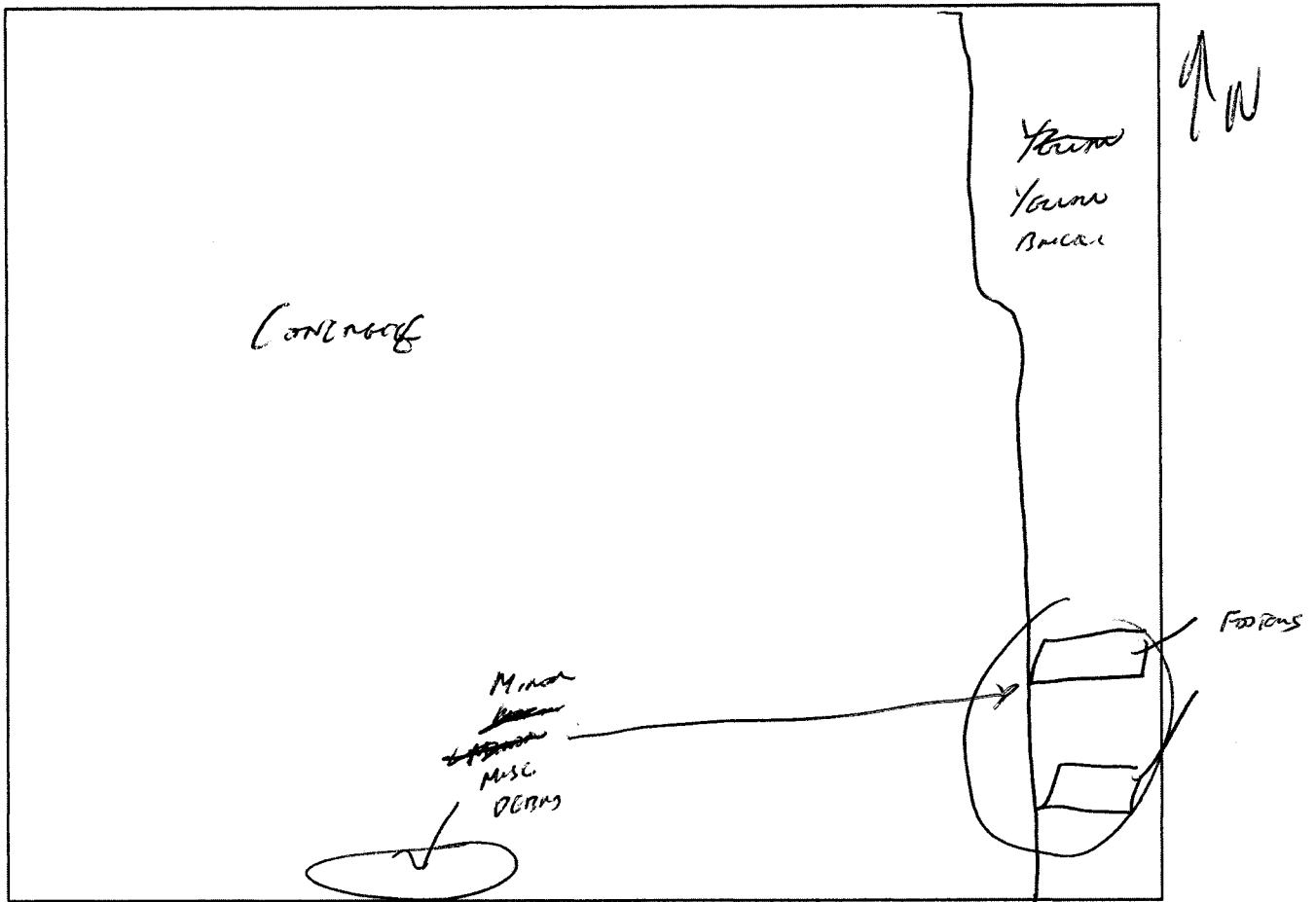
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

350+400

300+400



350+450

300+450

Grid Location: G9

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected: Yes ☒ No

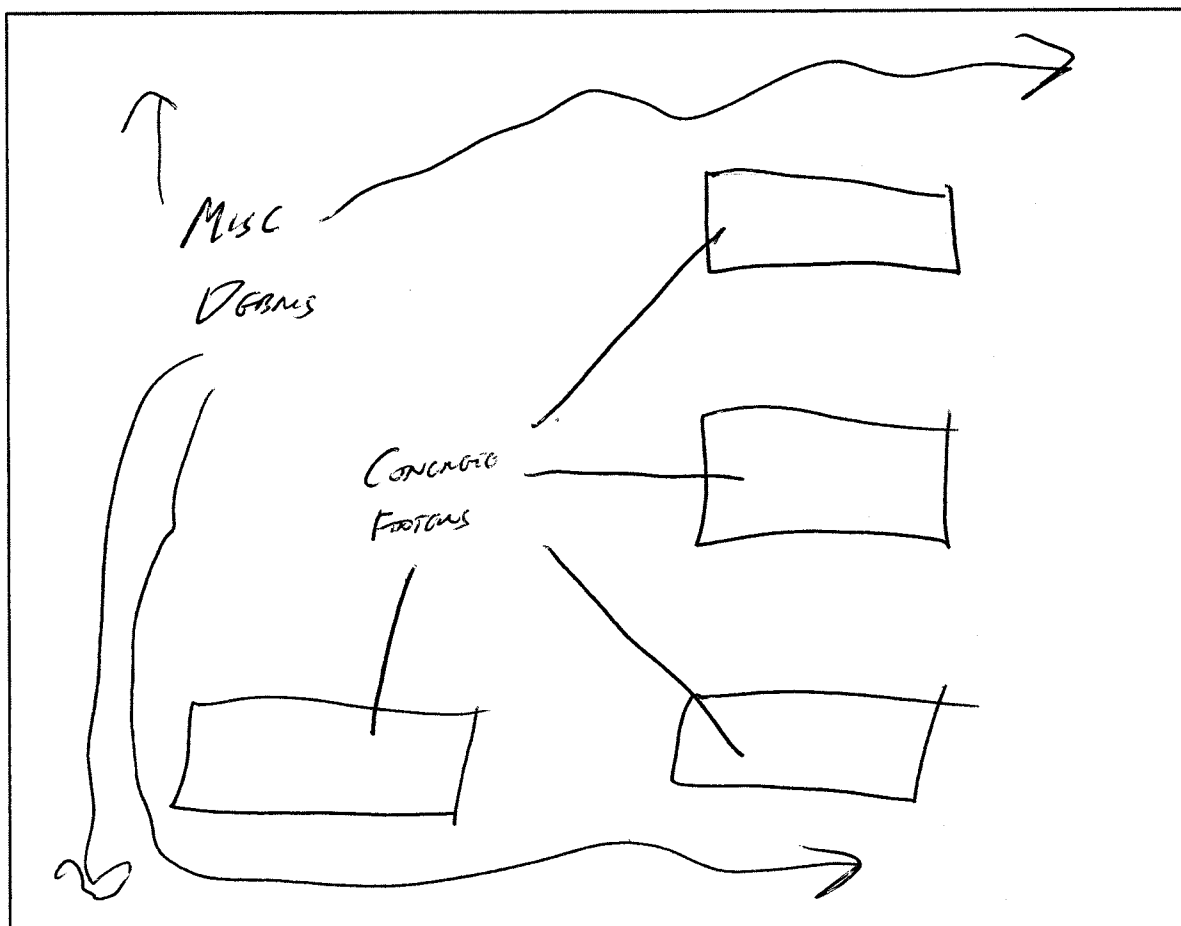
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

350+45

300+450



350+50

300+50

Grid Location: G10

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS, SEE PREVIOUS

Bulk Samples Collected:

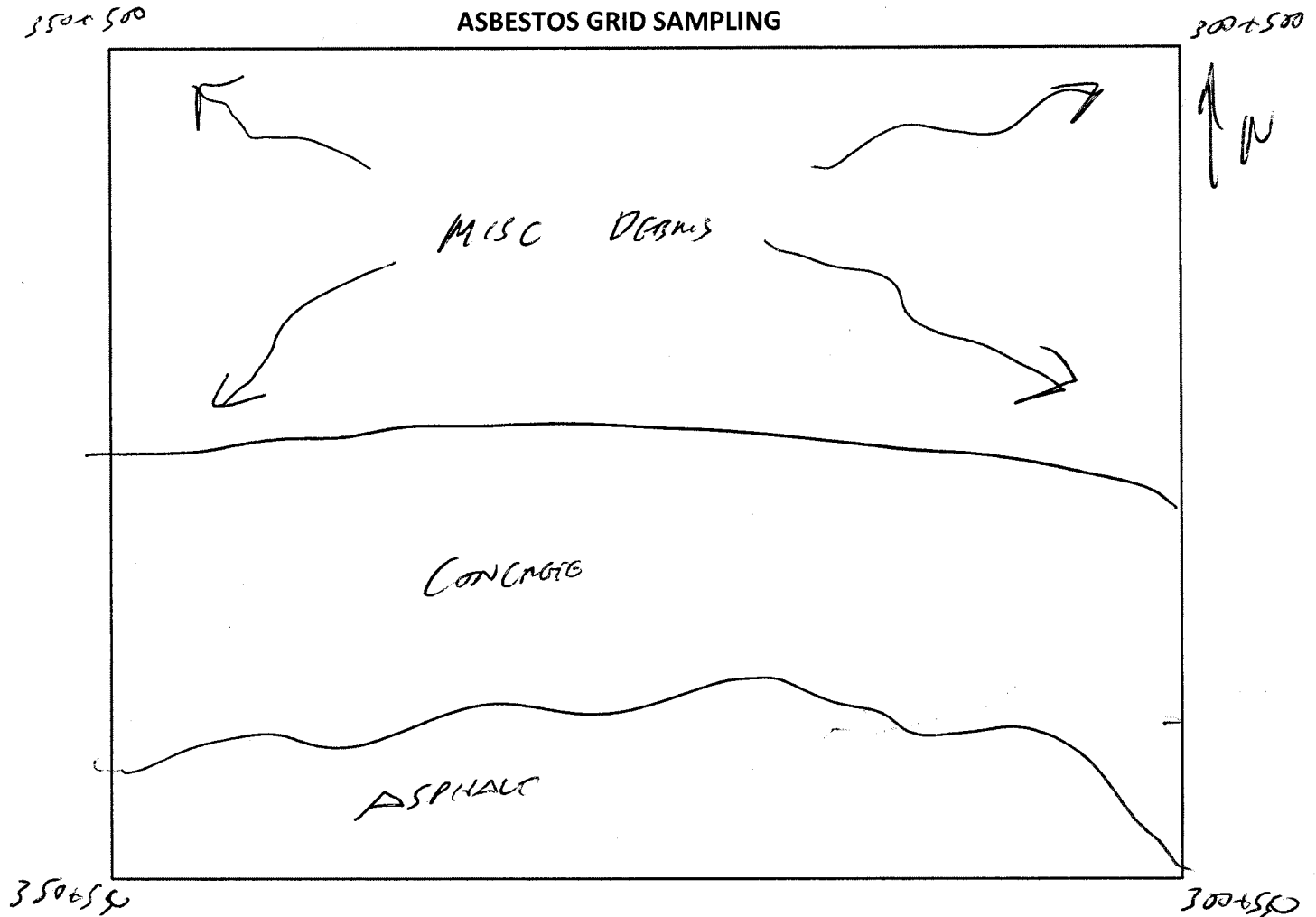
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: 611

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PHOTOS)

Bulk Samples Collected: Yes No

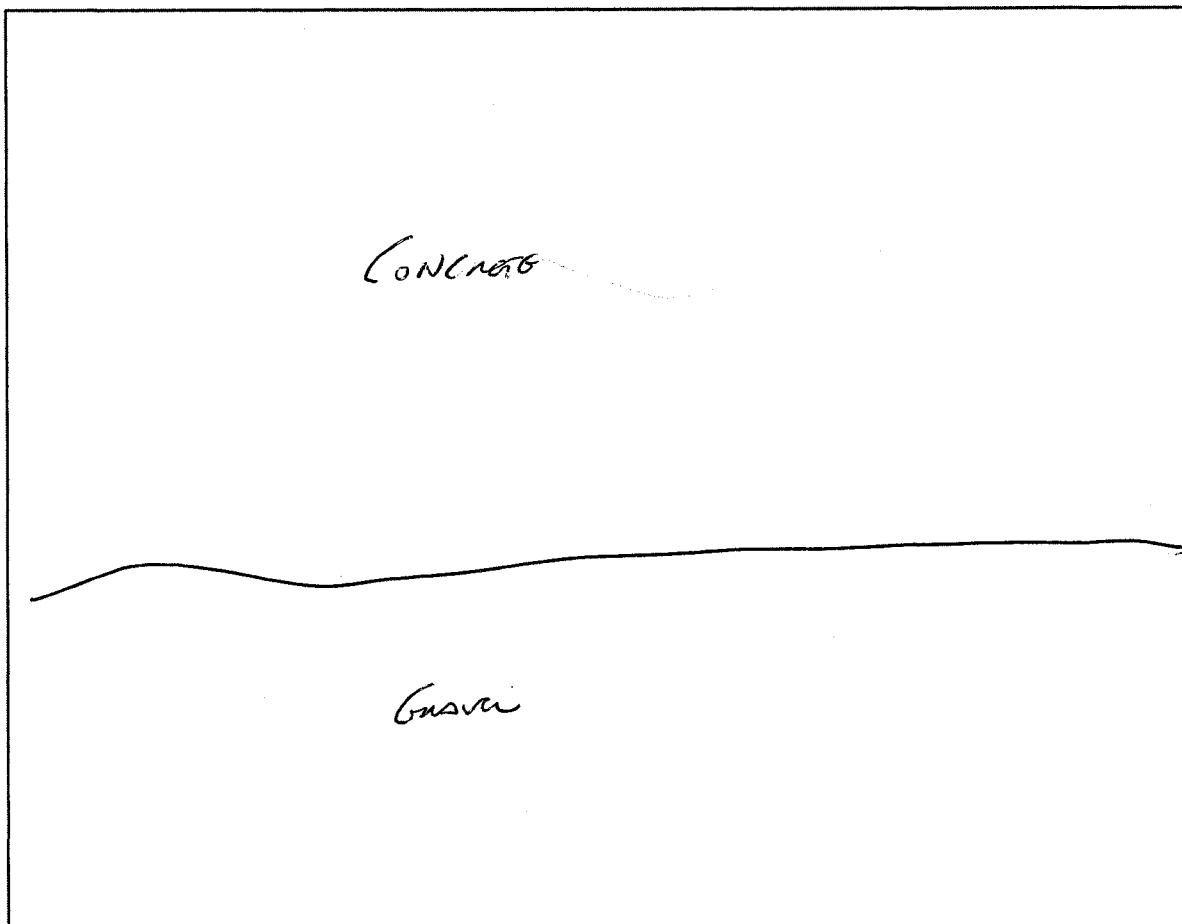
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

350+550

500+550



Grid Location: G12

Map Coordinates: N

-N

E

-E

500+600

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

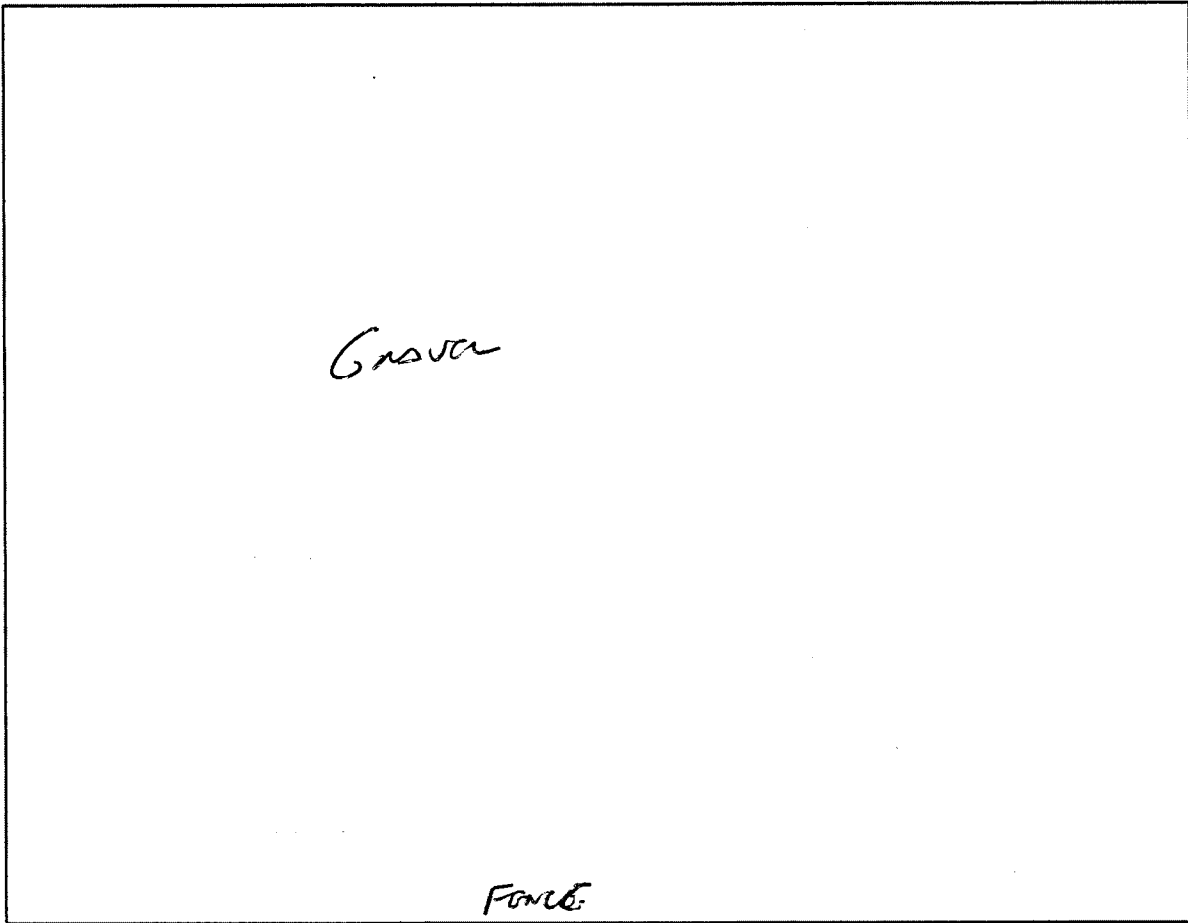
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

3502600

307600



Grid Location: G13

Map Coordinates: N -N E -E

Description:

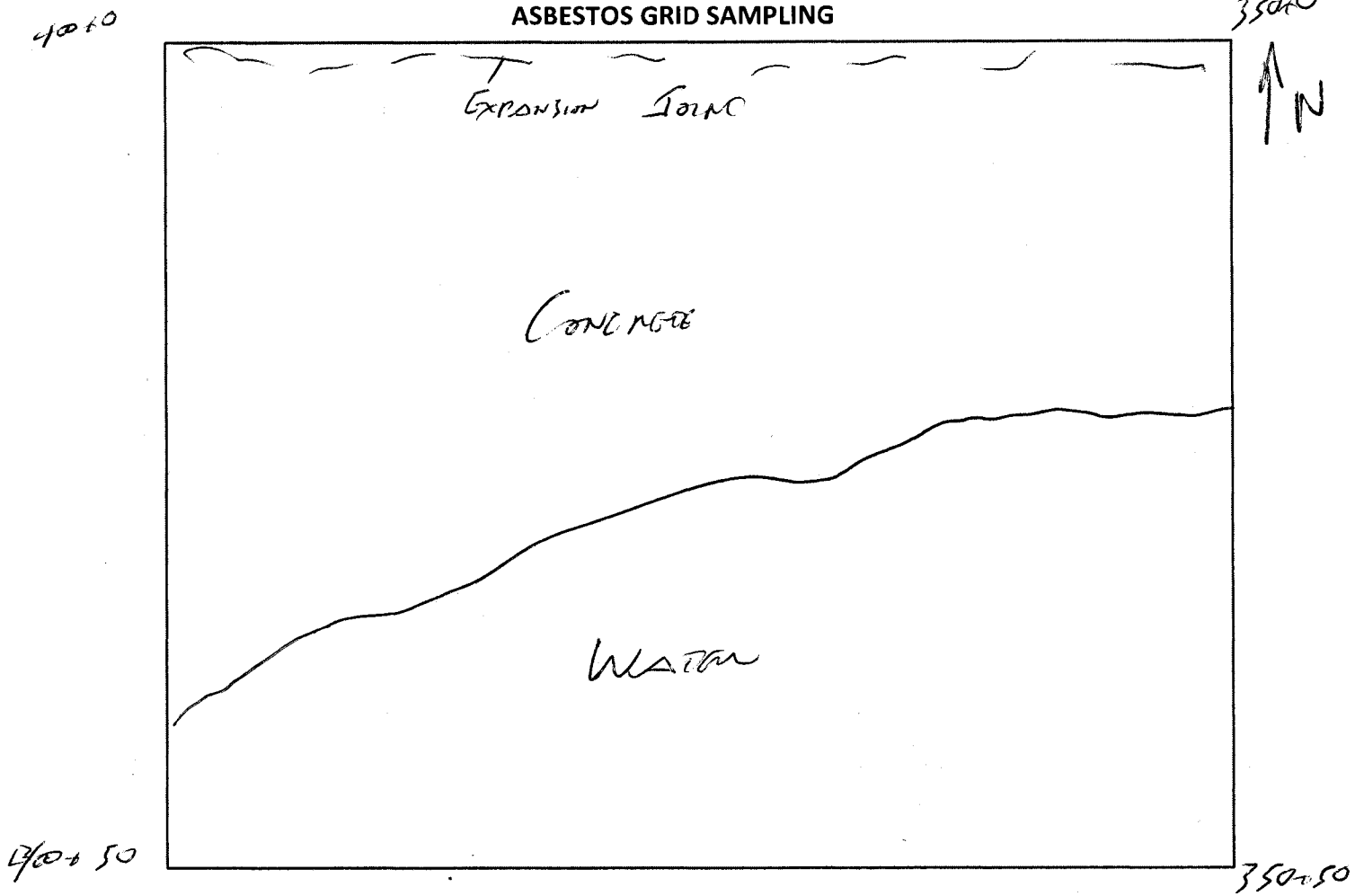
PACM Identified:

Bulk Samples Collected: Yes ☒ No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: H1

Map Coordinates: N -N E -E

Description:

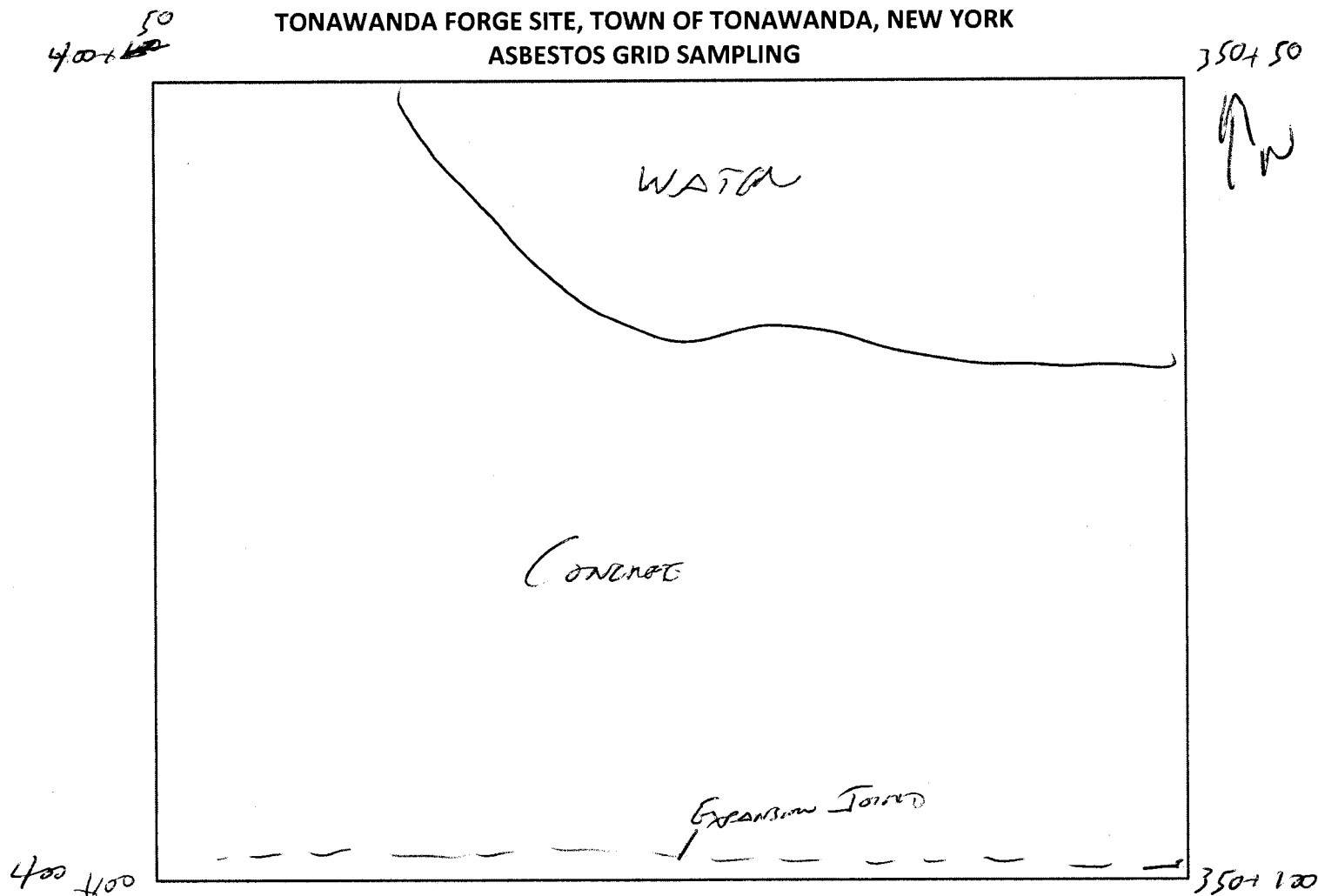
PACM Identified: Expansion Trench

Bulk Samples Collected: Yes ☒ No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: *H2*

Map Coordinates: N -N E -E

Description:

PACM Identified: *EXPANSION JOINT*

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

400+100

350+100

↑N

SEE H5

400+150

350+150

Grid Location: H3

Map Coordinates: N -N E -E

Description:

PACM Identified: SEE H5

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

4000150

350+150

↑ N

SGG H5

400020

350+200

Grid Location:

H4

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

SGG H5

Bulk Samples Collected:

Yes

No

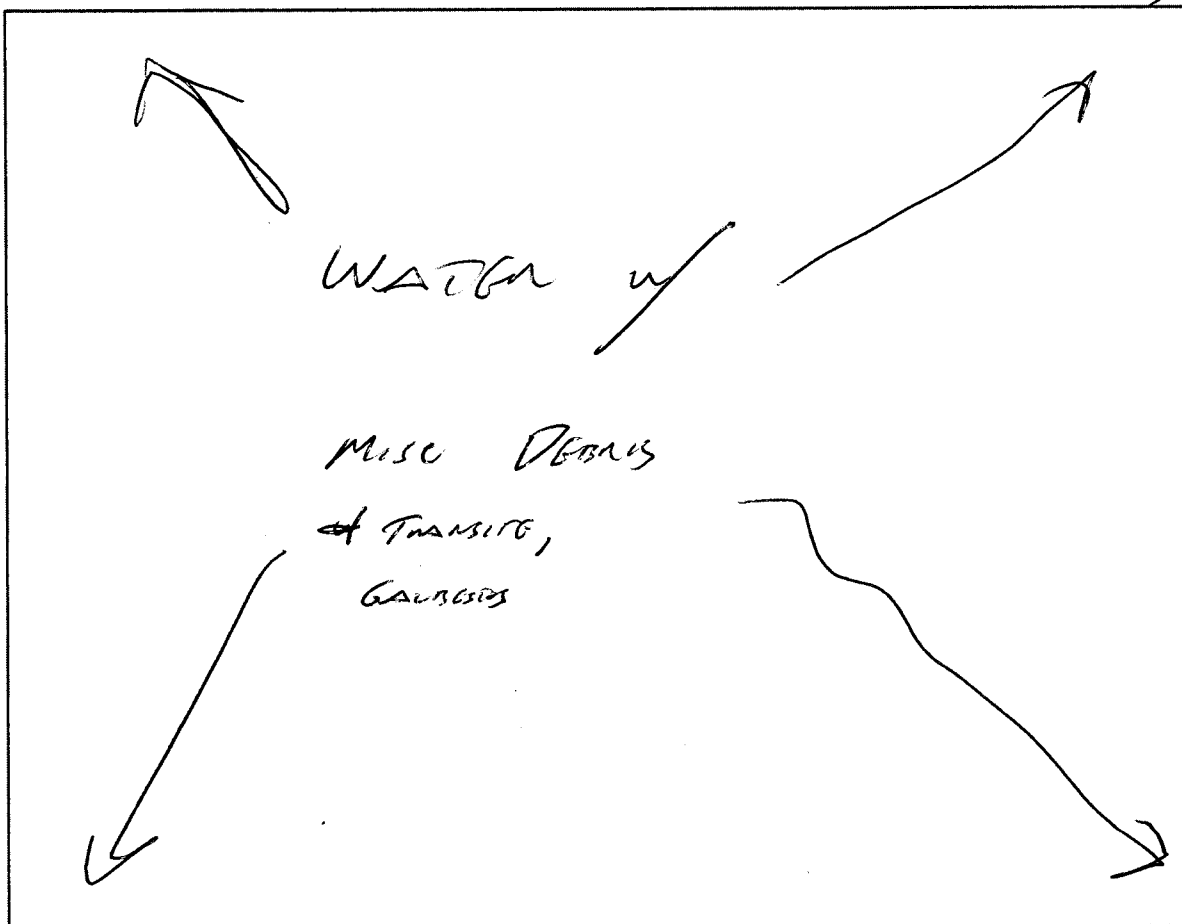
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

400+200

350+200



400+250

350+250

Grid Location:

HS

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS), TRANSITE, GASTROIDS

Bulk Samples Collected:

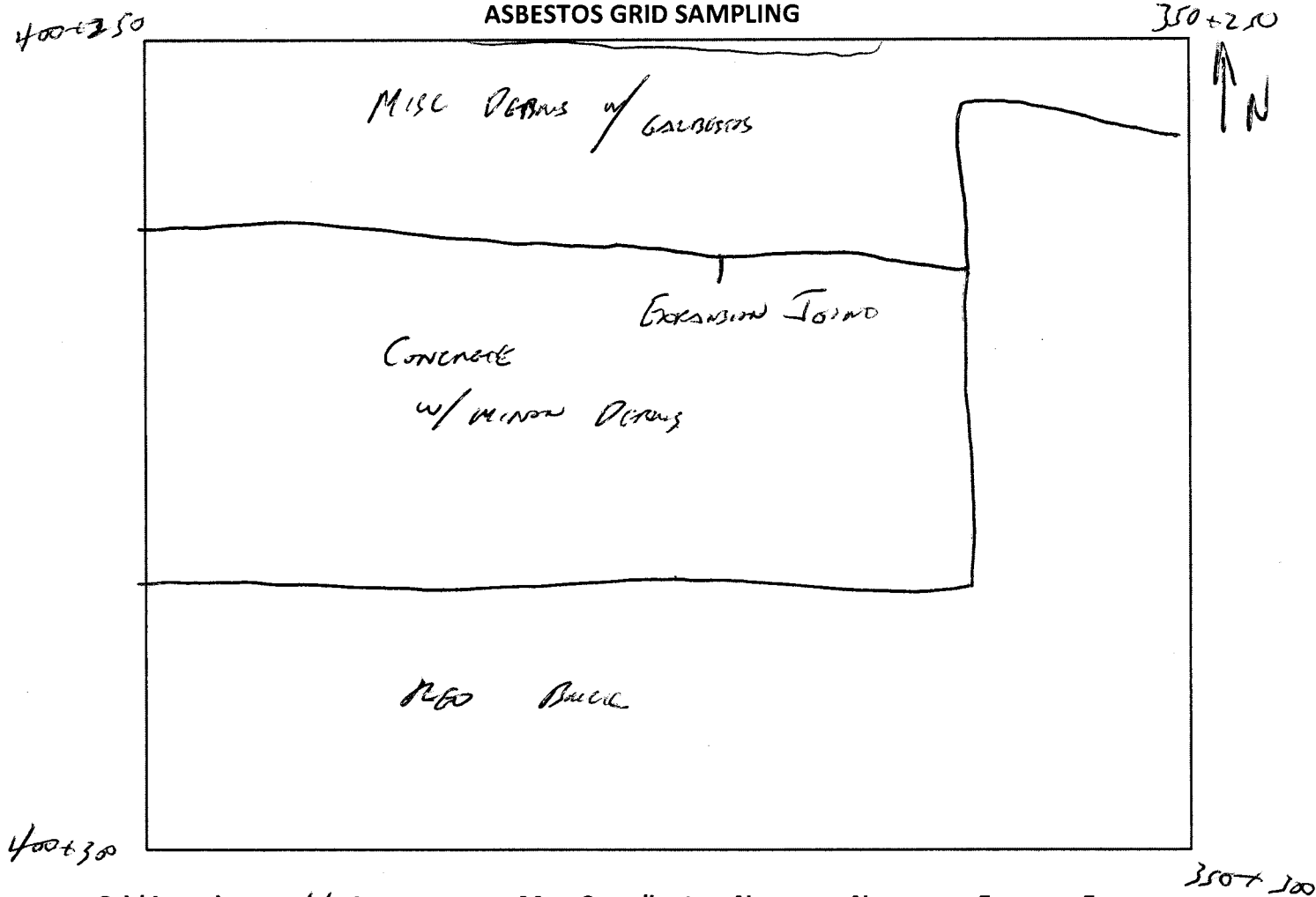
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: *H6*

Map Coordinates: N -N E -E

Description:

PACM Identified: *MISC DEBRIS (SEE PREVIOUS), GABESTOS, EXPANSION JOINT*

Bulk Samples Collected: Yes ☒ No ☐

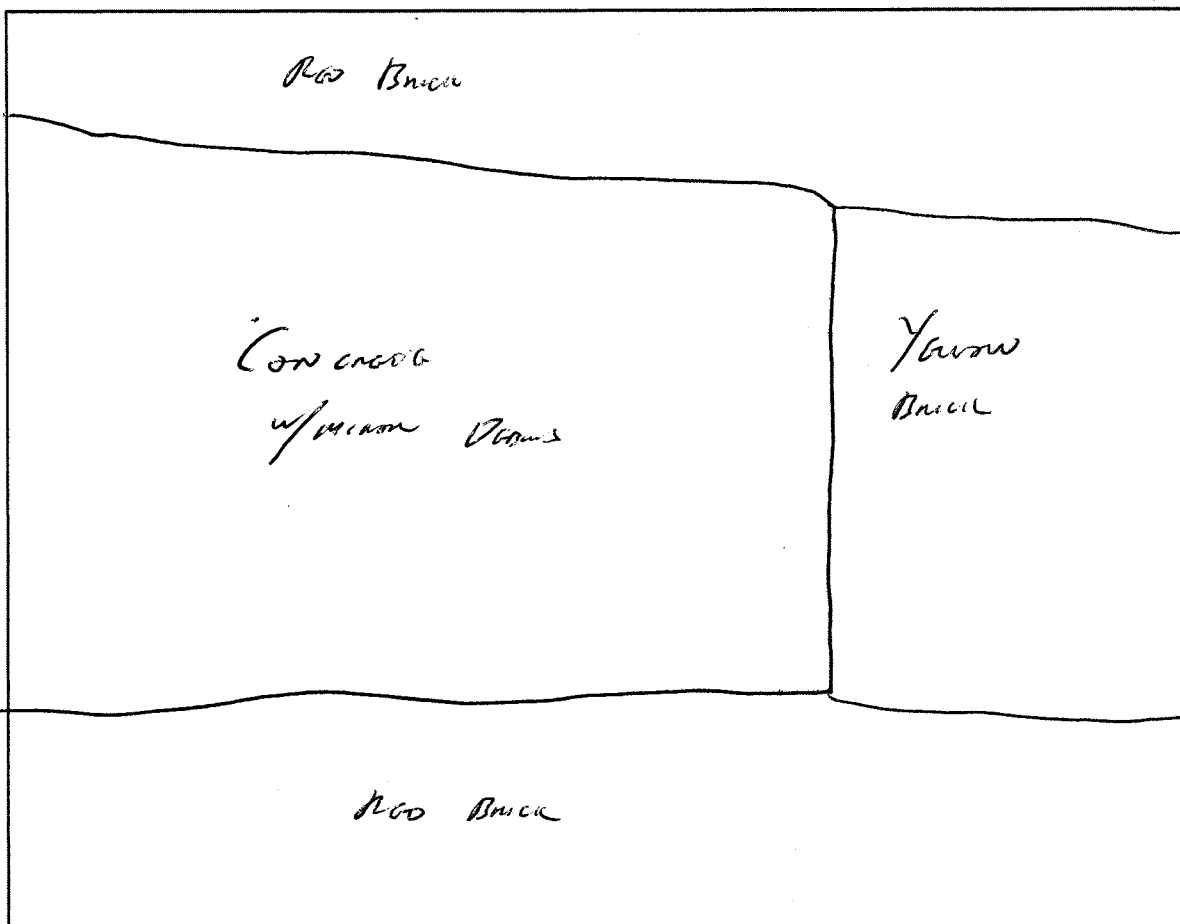
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

400+300

350+300



400+350

350+350

Grid Location: **H9**

Map Coordinates: N -N E -E

Description:

PACM Identified: **MINOR DEBRIS (500 POUNDS)**

Bulk Samples Collected: Yes **No**

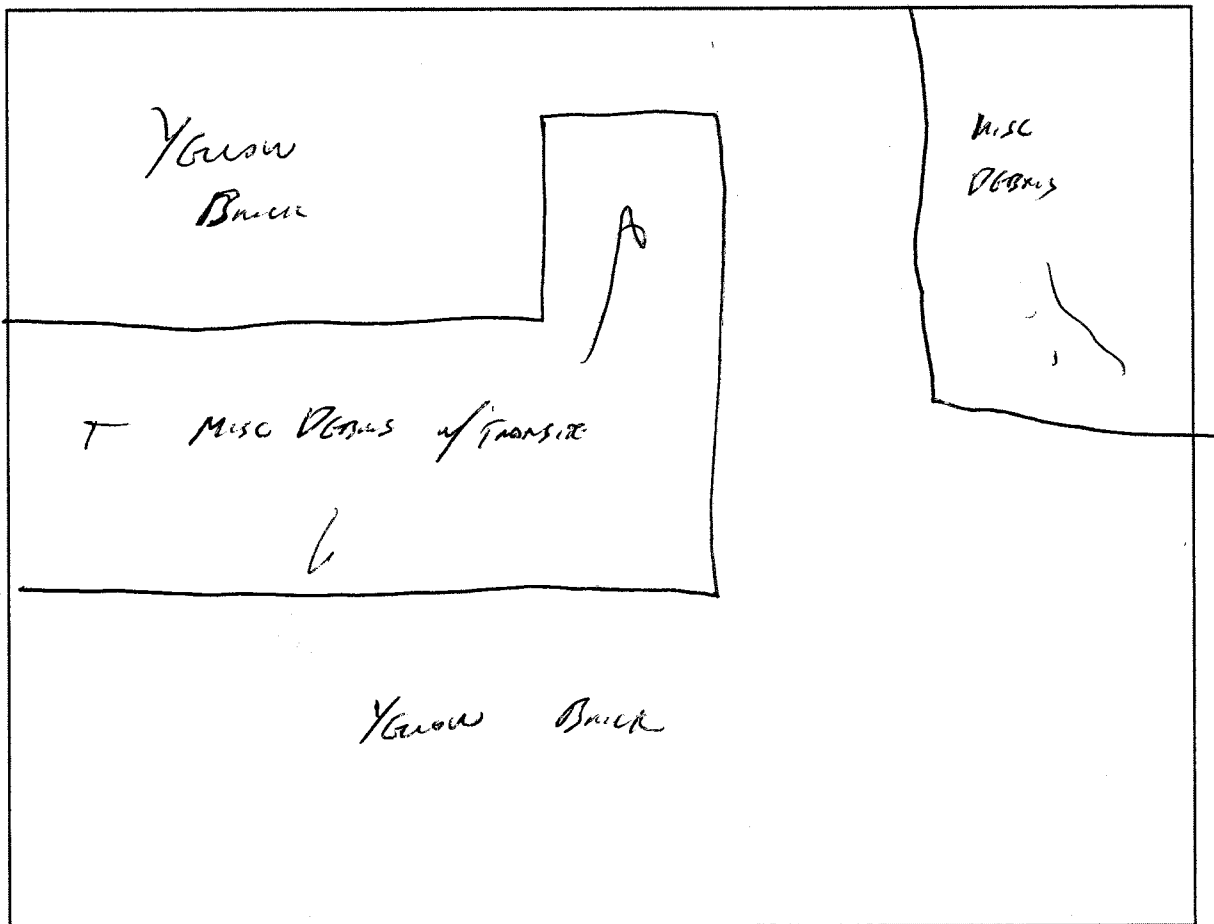
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

400 + 350

350 + 350



400 + 400

Grid Location: *H8*

Map Coordinates: N

-N

E

-E

350 + 400

Description:

PACM Identified: *MISC Debris (See Previous), TRANSIRE*

Bulk Samples Collected:

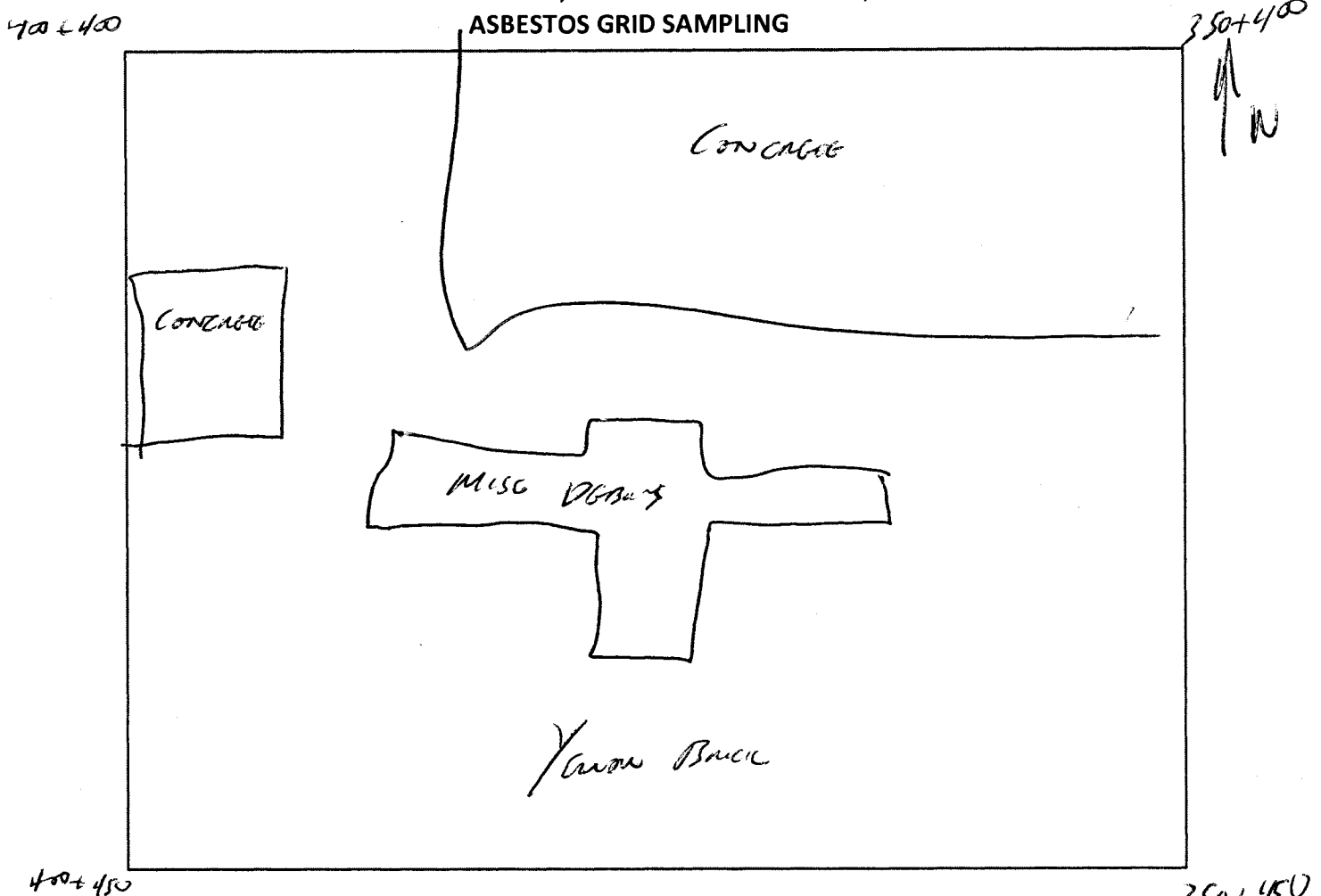
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: *H9*

Map Coordinates: N -N E -E

Description:

PACM Identified: *MISC DEBRIS (SEE PREVIOUS), w/ TRANSITE*

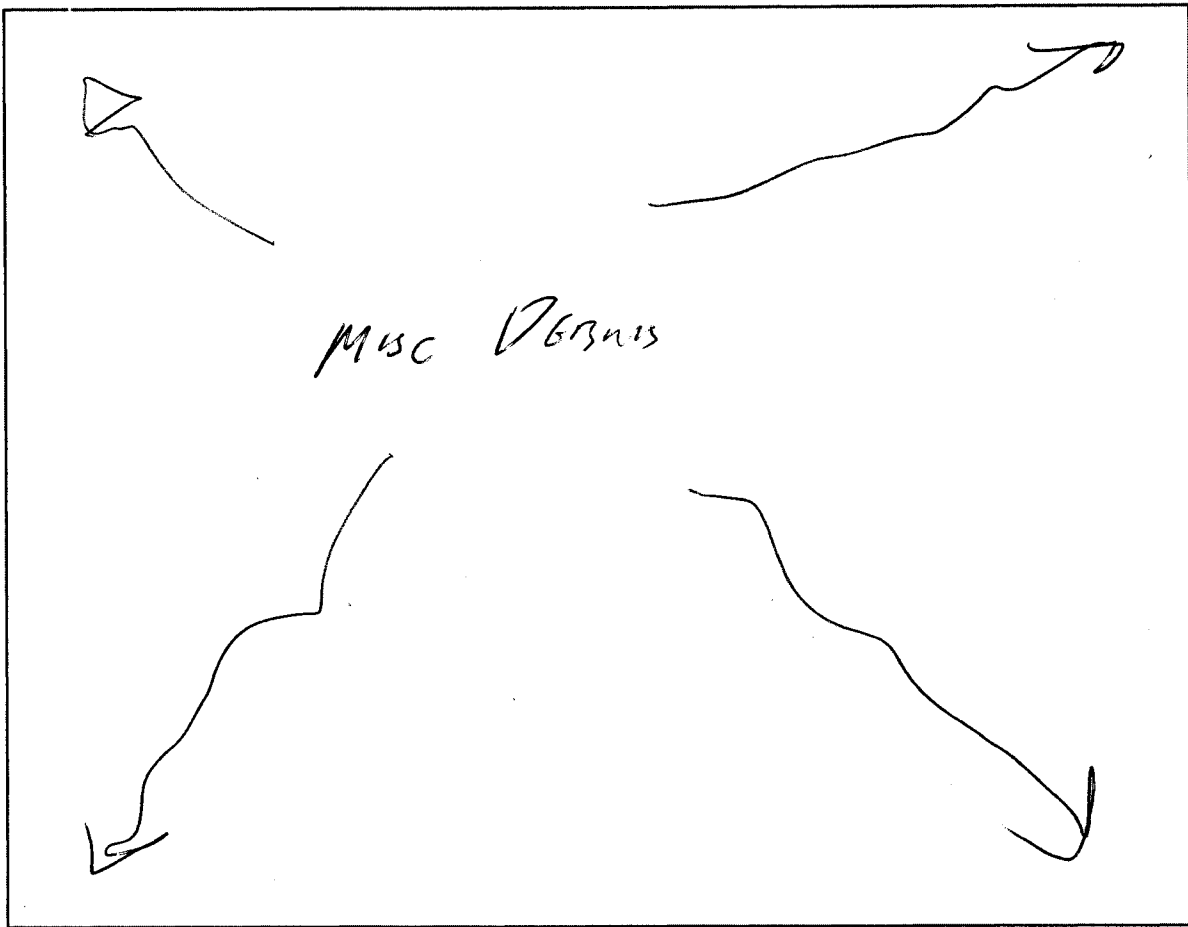
Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

4504/50

350 + 450



400 + 50

3504500

Map Coordinates: N

-N

E

-E

PACM Identified: *ME M-SC JONES (SEE PREVIOUS)*

Yes

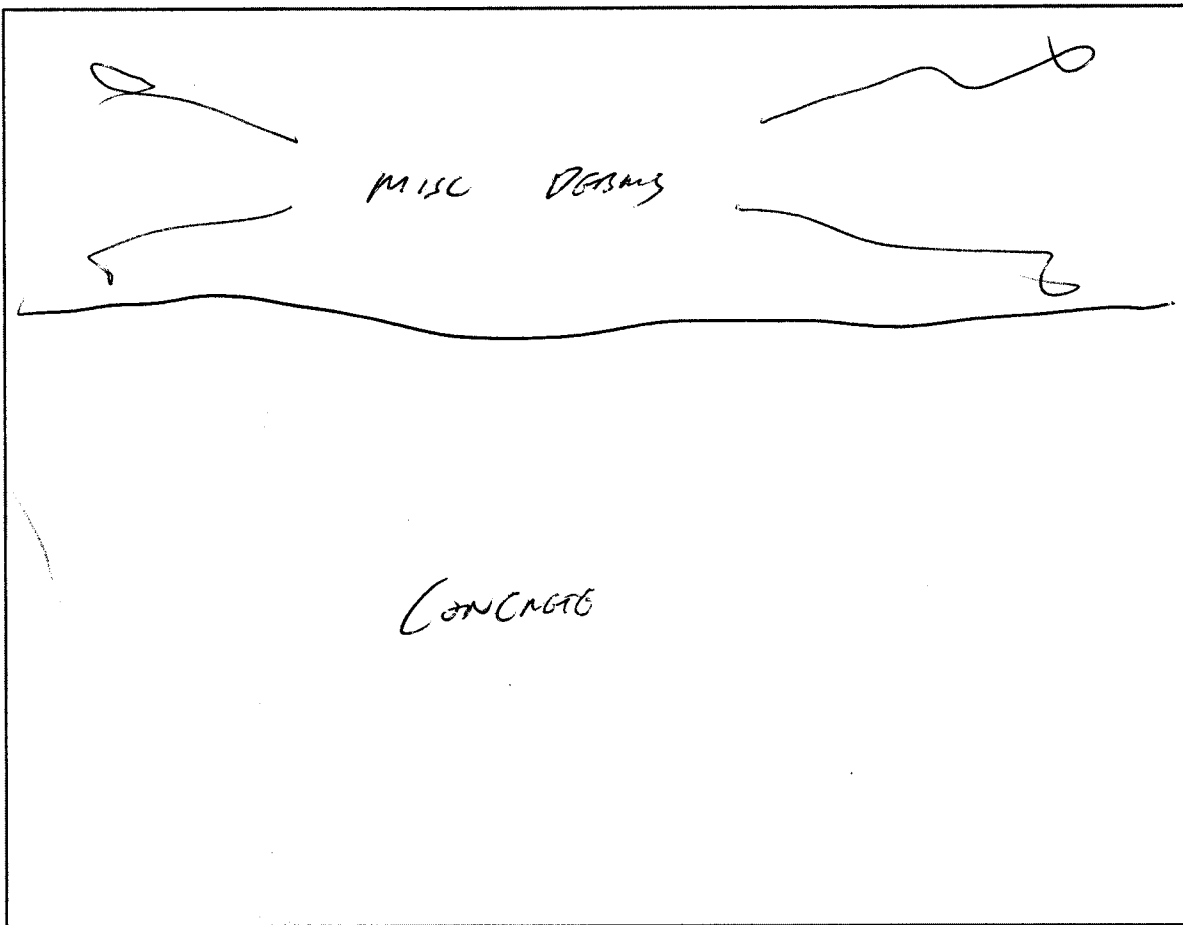
No

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

400+500

350+500



400+550

350+550

Grid Location: H 11

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (500 ^{PROX} ~~DEBRIS~~) Same as G 11

Bulk Samples Collected: Yes No

Sample Information:

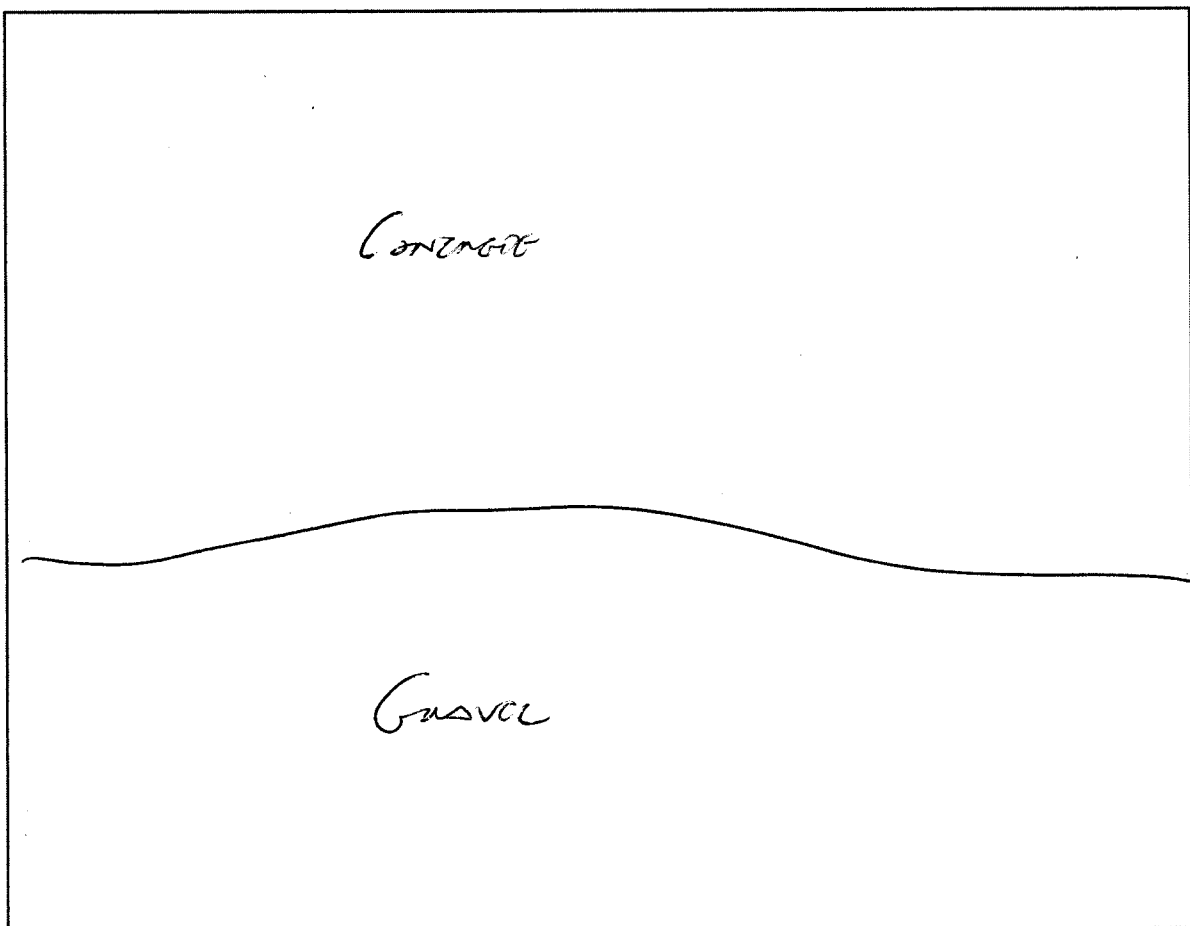
Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

400+550

350+550

↑
W



400+600

350+600

Grid Location: H12

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

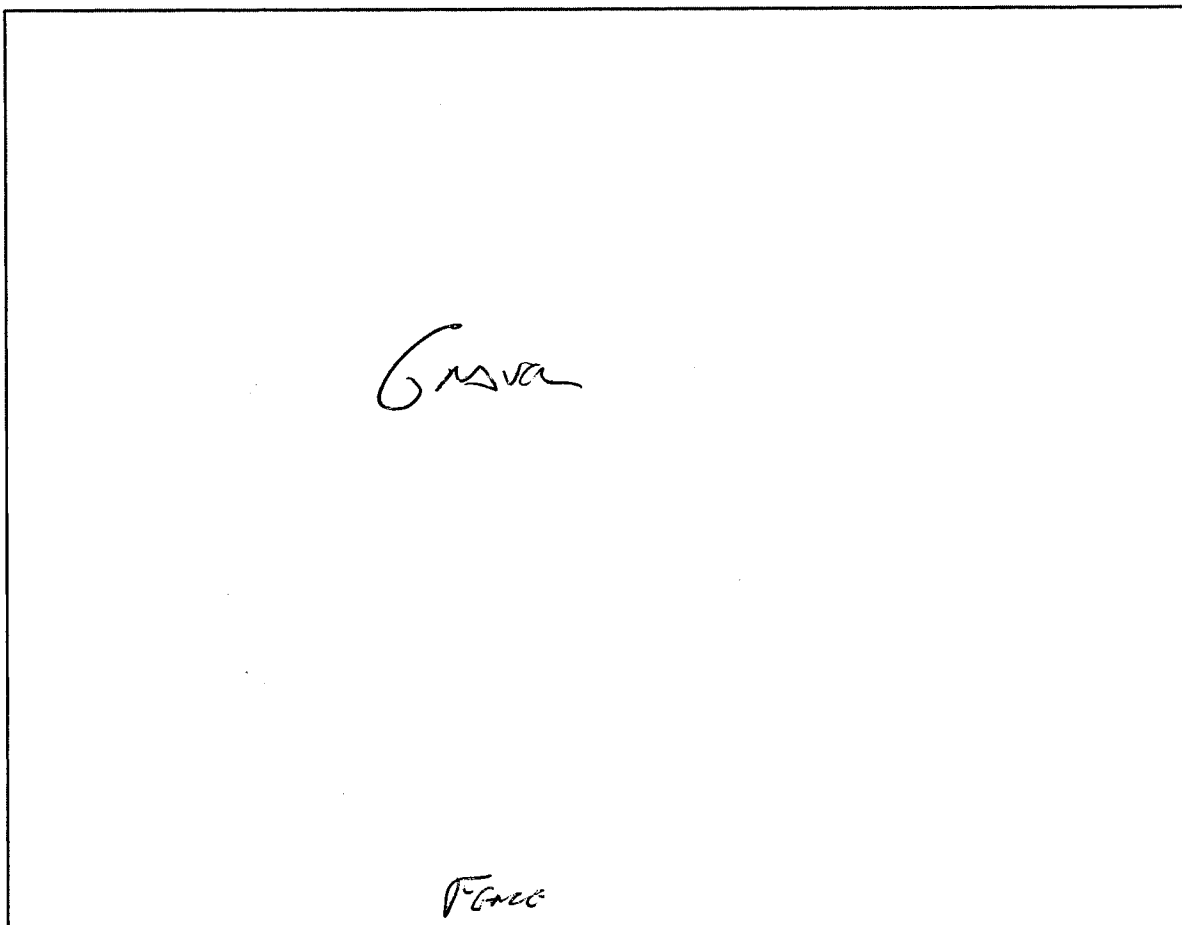
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

400 6600

350+600



Grid Location: H13

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

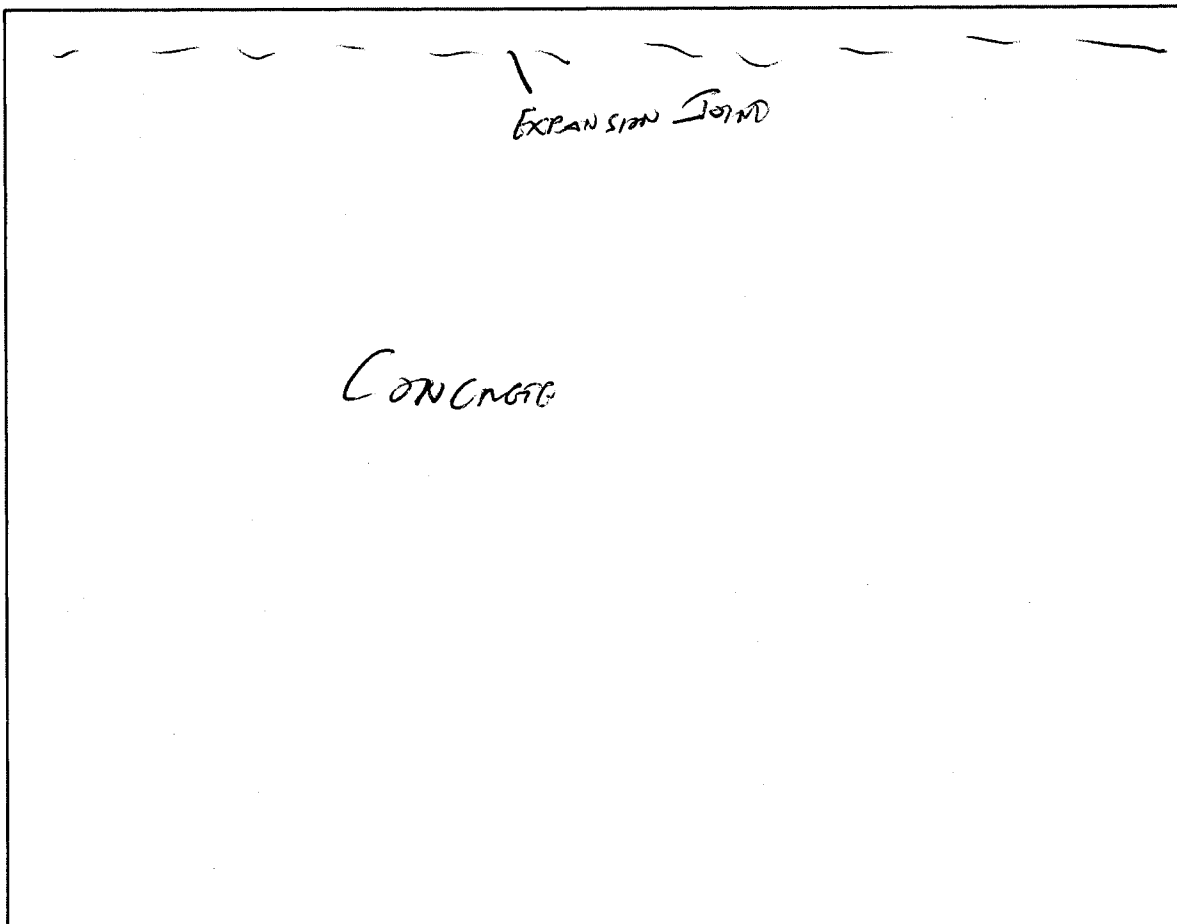
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

450+0

400+0



Grid Location: I 1

Map Coordinates: N -N E -E

Description:

PACM Identified: Expansion Joint

Bulk Samples Collected: Yes ☒ No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

450650

450650

12

CONTINUED

450610

450610

Grid Location:

12

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

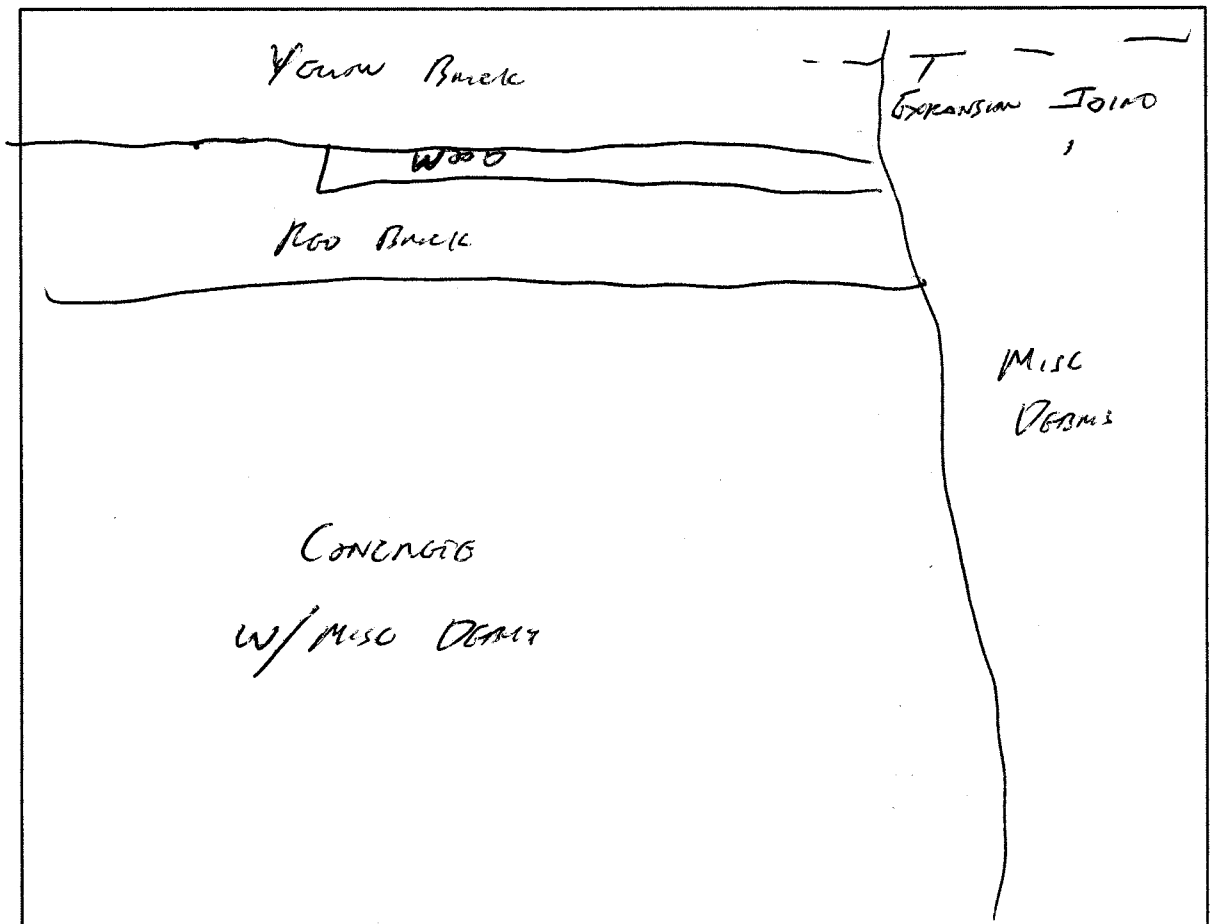
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

450+100

450+100



450+100

450+150

Grid Location: **I3**

Map Coordinates: N -N E -E

Description:

PACM Identified: **EXPANSION JOINT, MISC DEBRIS, SGO PAVEMENT**

Bulk Samples Collected:

Yes

No

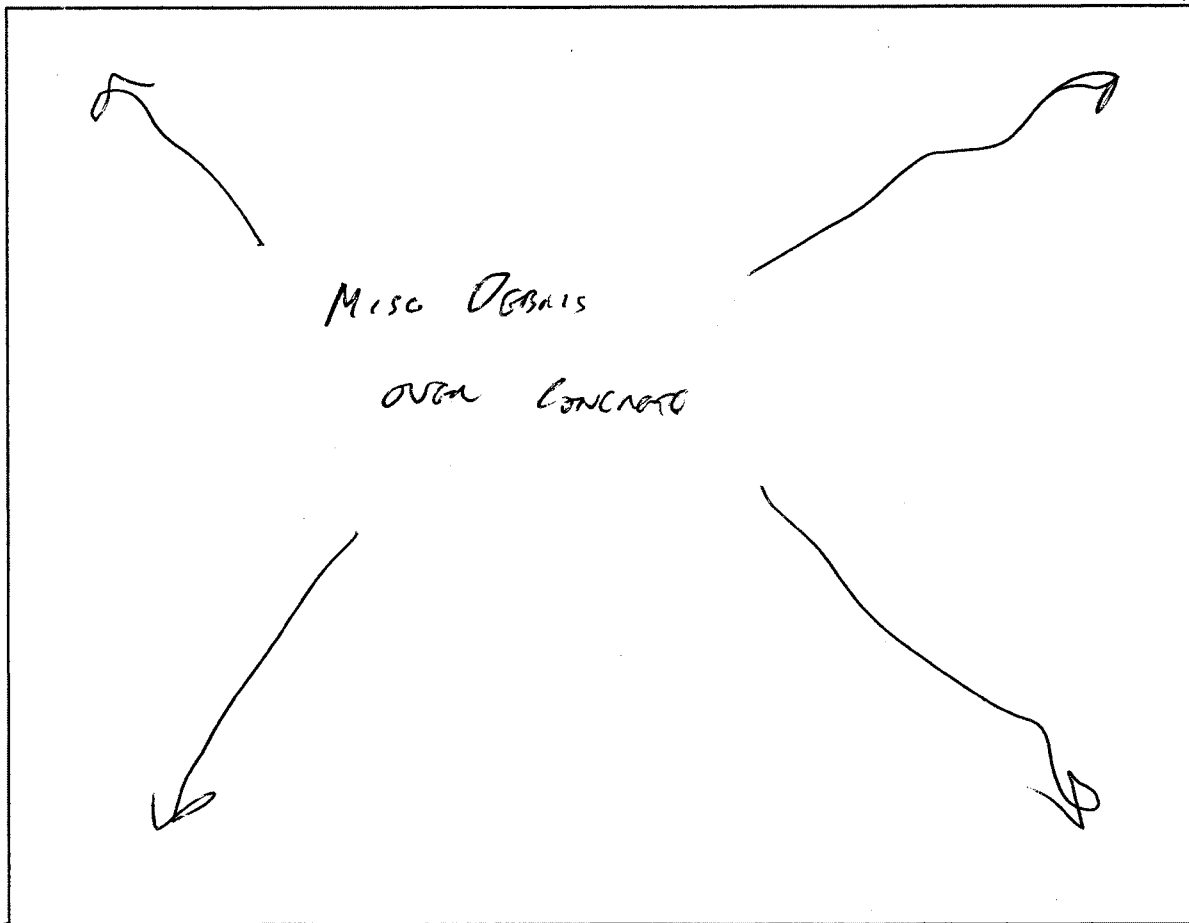
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

450+150

400+150



400+150

450+200

400+200

Grid Location: I 4

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: Misc Debris (see previous)

Bulk Samples Collected:

Yes

No

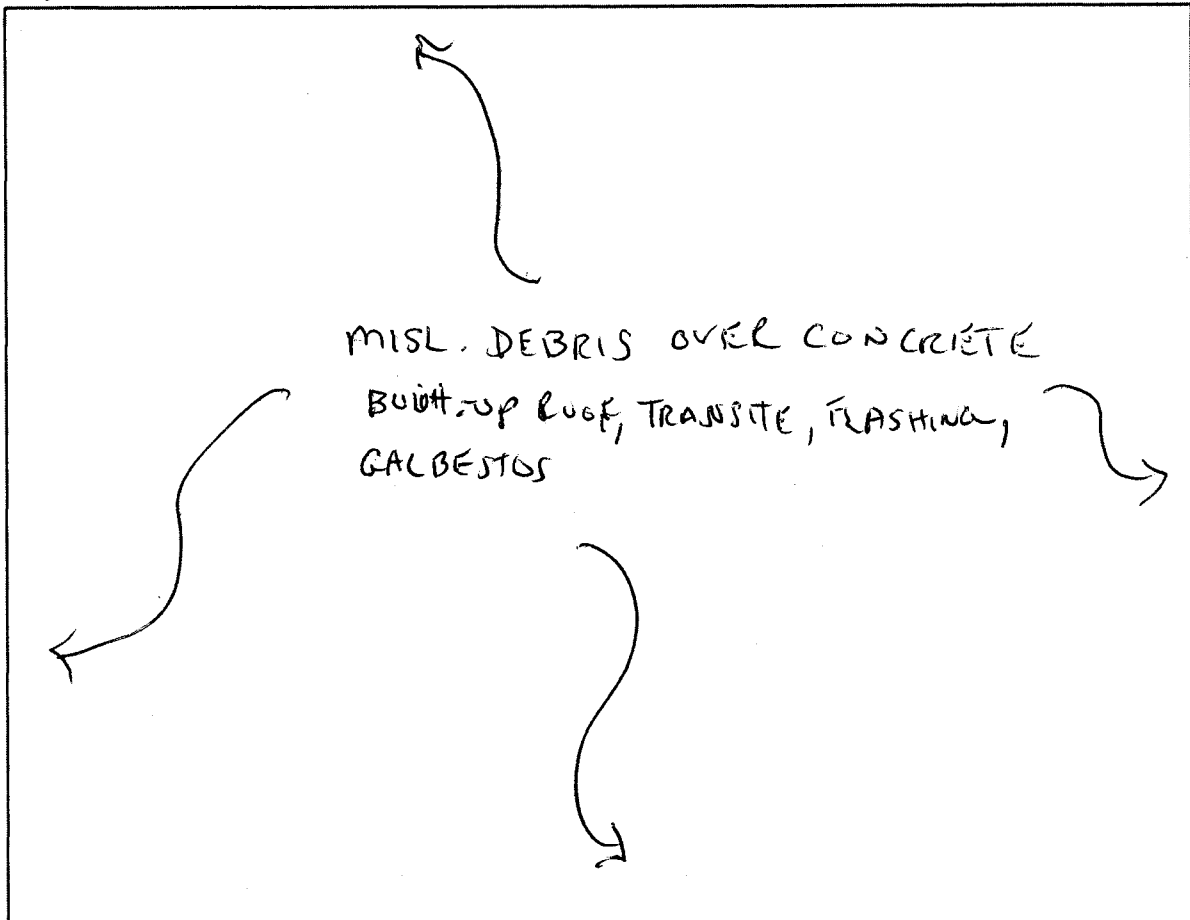
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

450+200

400+200



450+250

Grid Location: I 5

Map Coordinates: N

-N

E

-E

400+250

Description:

PACM Identified: MISL. DEBRIS BUILT-UP ROOF, TRANSITE, ROOF SHINGLES etc.

Bulk Samples Collected:

Yes

No

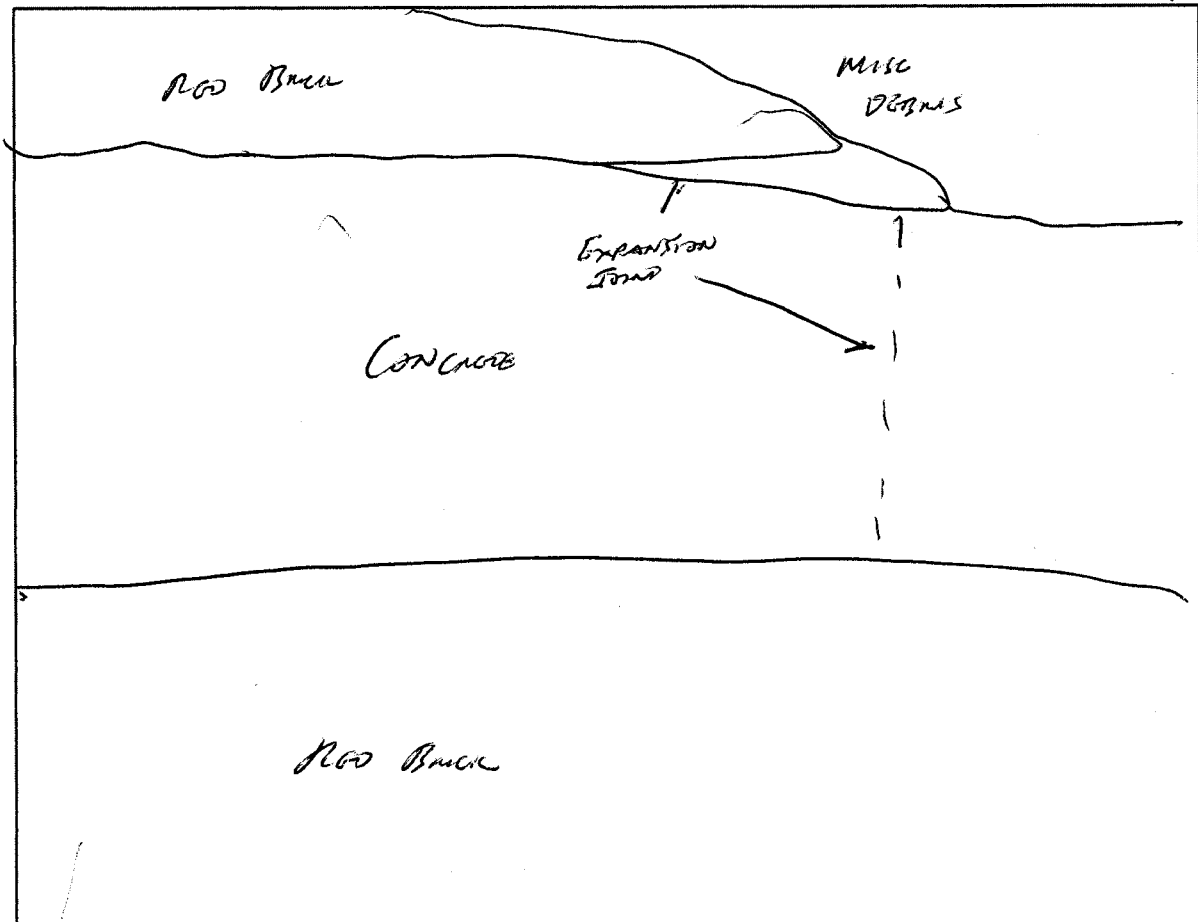
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

450+250

400+250



450+300

Grid Location: **IG**

Map Coordinates: N -N E -E

400+300

Description:

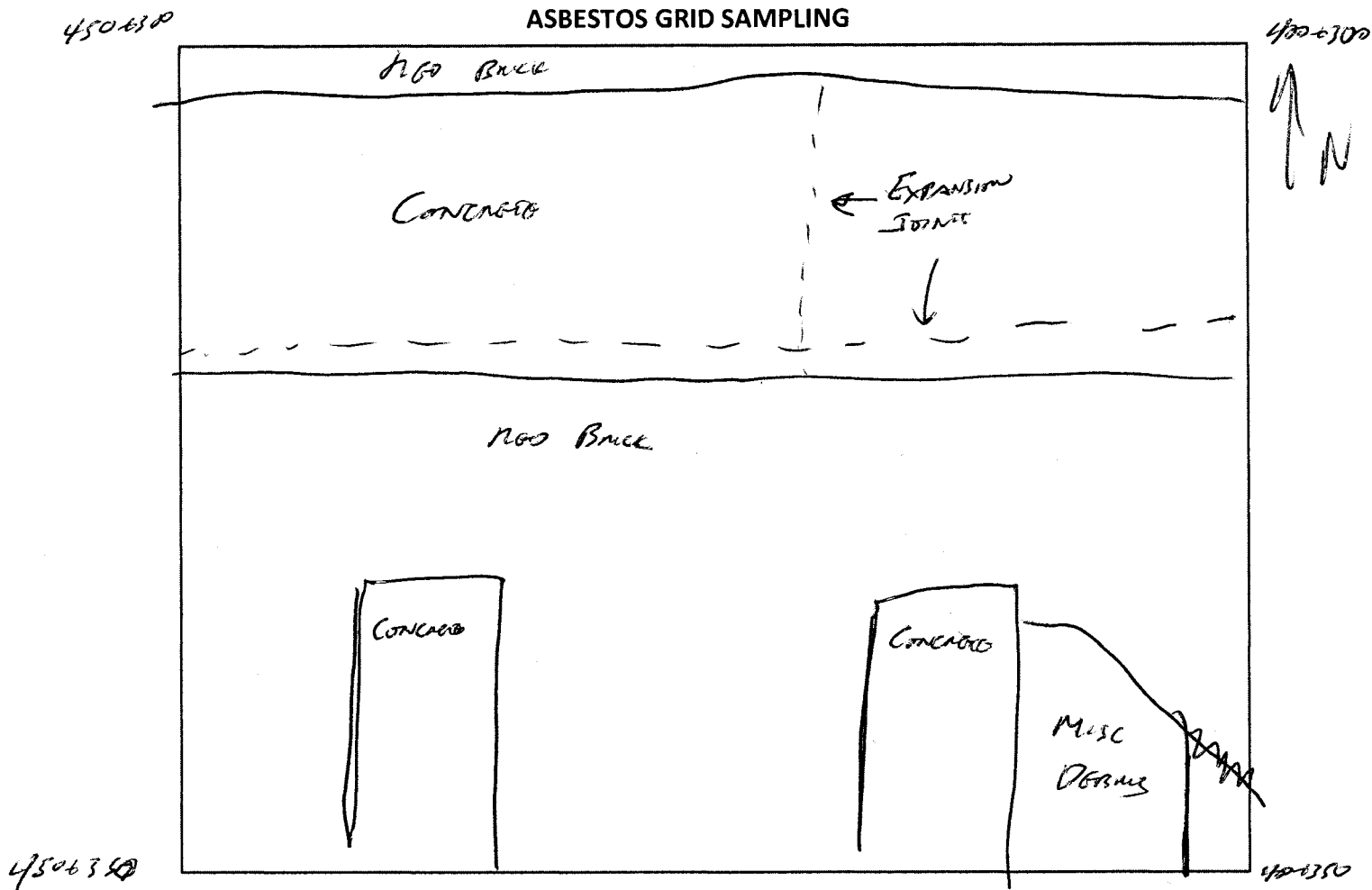
PACM Identified: **MISC DEBRIS (SOB PAVING), EXPANSION JOINT**

Bulk Samples Collected: Yes **No**

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: **AD I 7**

Map Coordinates: N -N E -E

Description:

PACM Identified: **MISC DEBRIS (SEE PREVIOUS), EXPANSION**

Bulk Samples Collected: Yes **No**

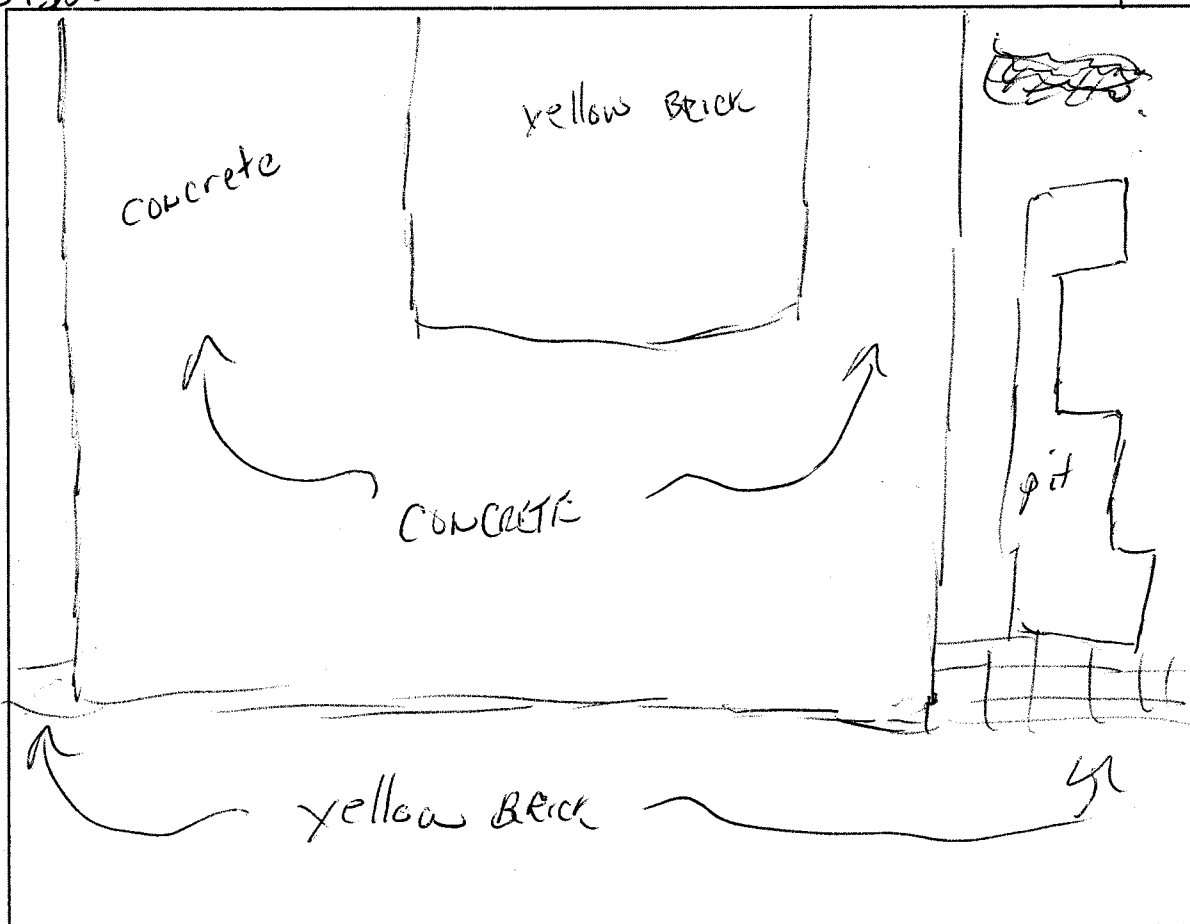
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

450 + 350

400 + 350



450 + 400

400 + 400

Grid Location: I 8

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISL. DEBRIS Roofing etc.

Bulk Samples Collected:

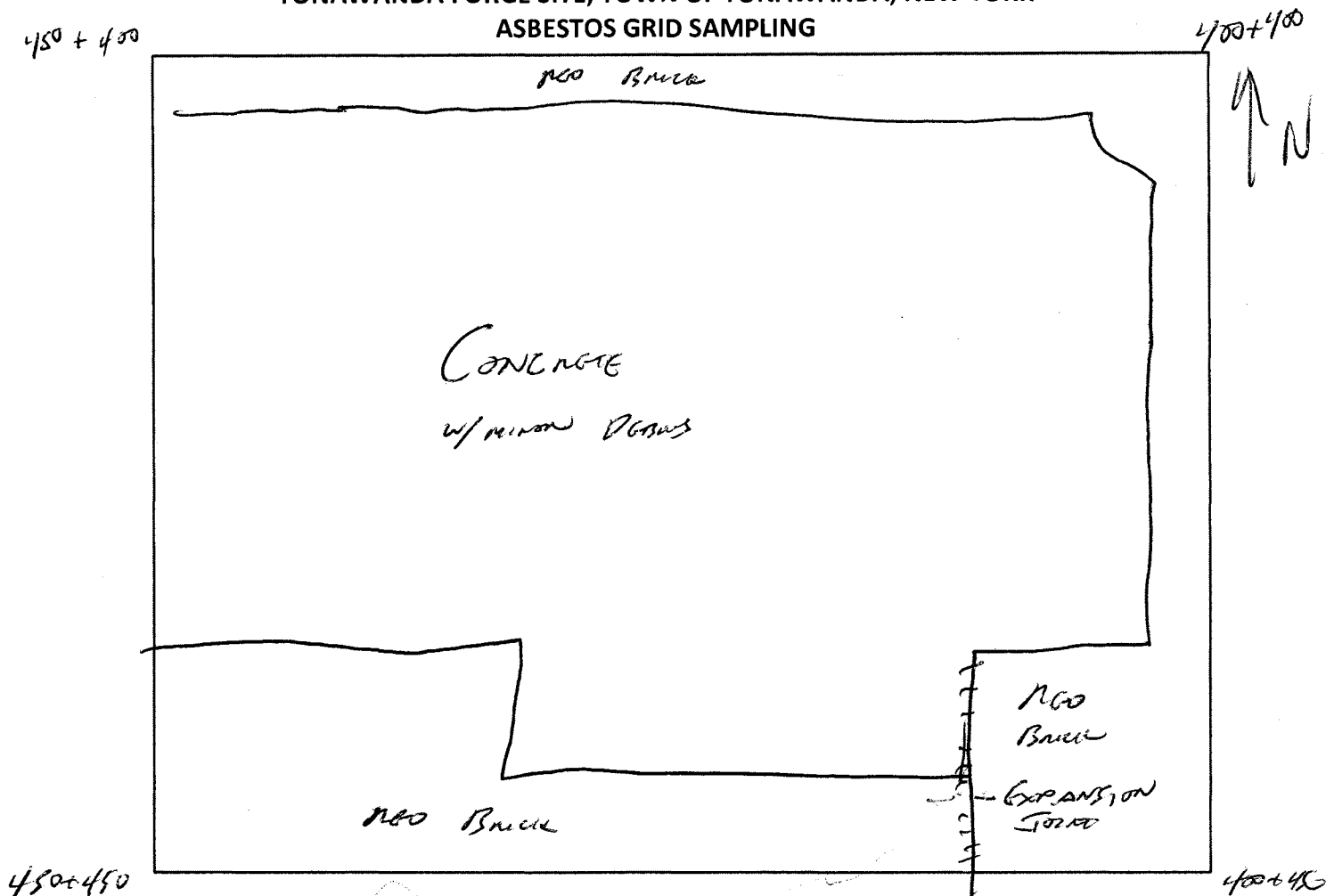
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location:

I 9

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MINOR MISC DEBRIS (SEE PREVIOUS) EXPANSION 107100

Bulk Samples Collected:

Yes

No

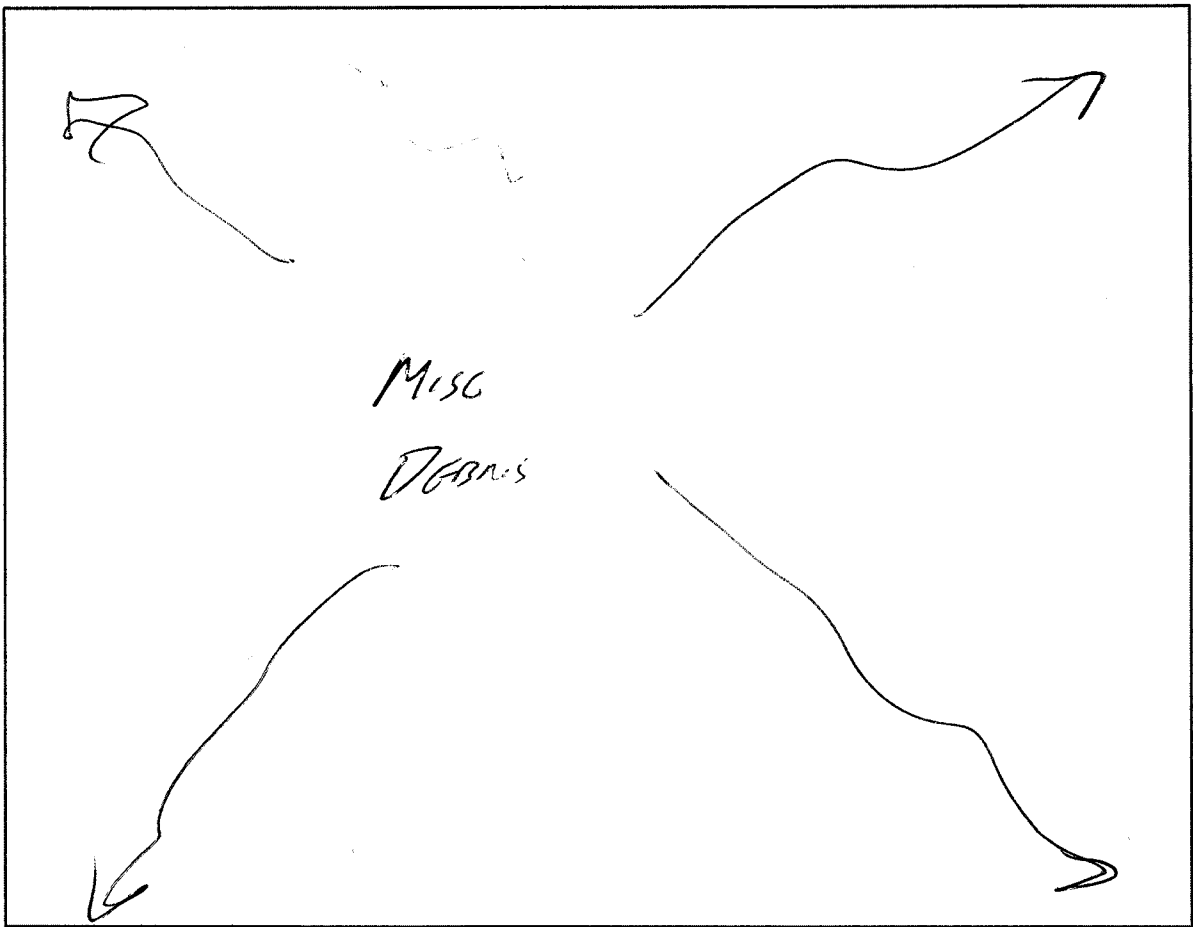
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

450+450

450+450



450+500

450+500

Grid Location: I 10

Map Coordinates: N -N E -E

Description:

PACM Identified: Misc Debris (500 Pounds)

Bulk Samples Collected: Yes No

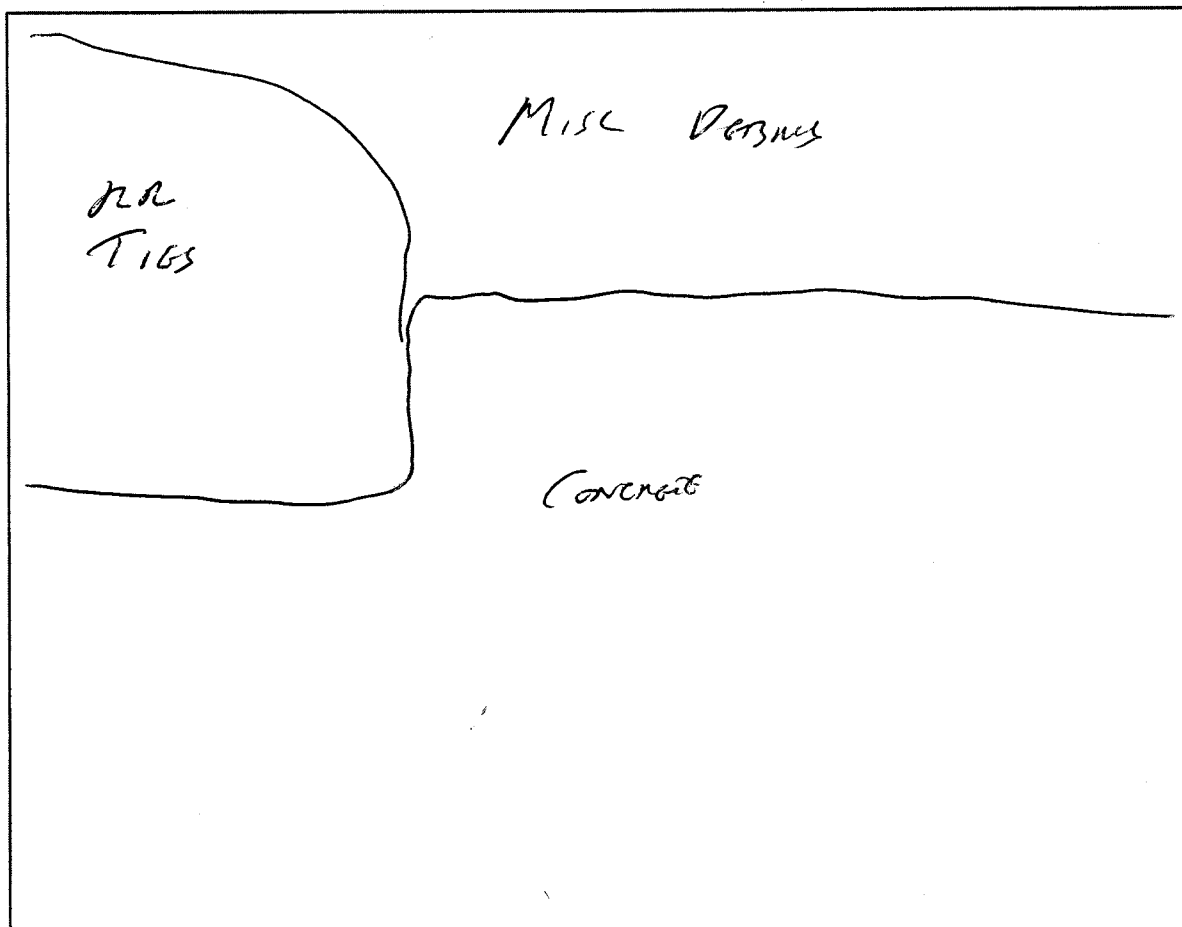
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

250+550

400+550



Grid Location: *I11*

Map Coordinates: N -N E -E

Description:

PACM Identified: *MISC DEBRIS (SGG Previous)*

Bulk Samples Collected: Yes ☒ No

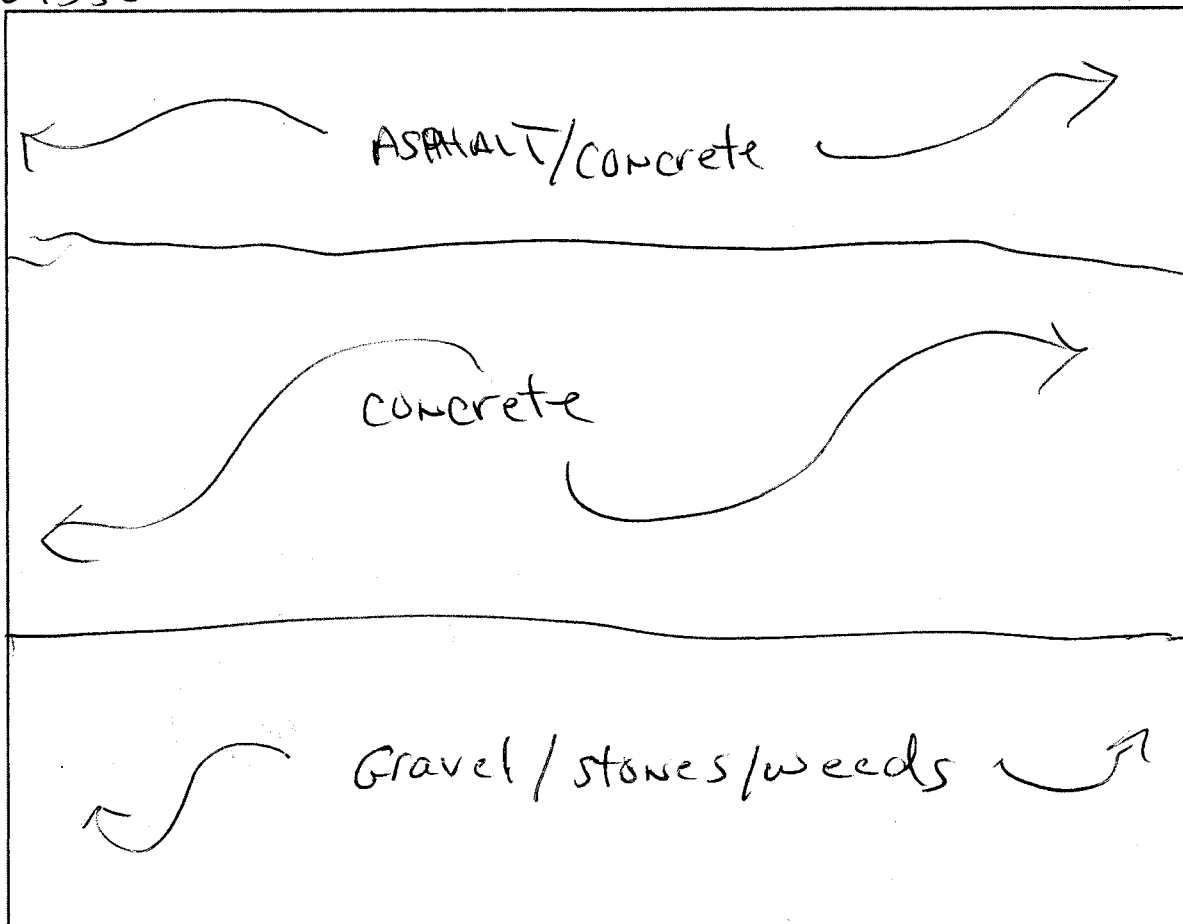
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

450+550

400+550



450+600

400+600

Grid Location: I12

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

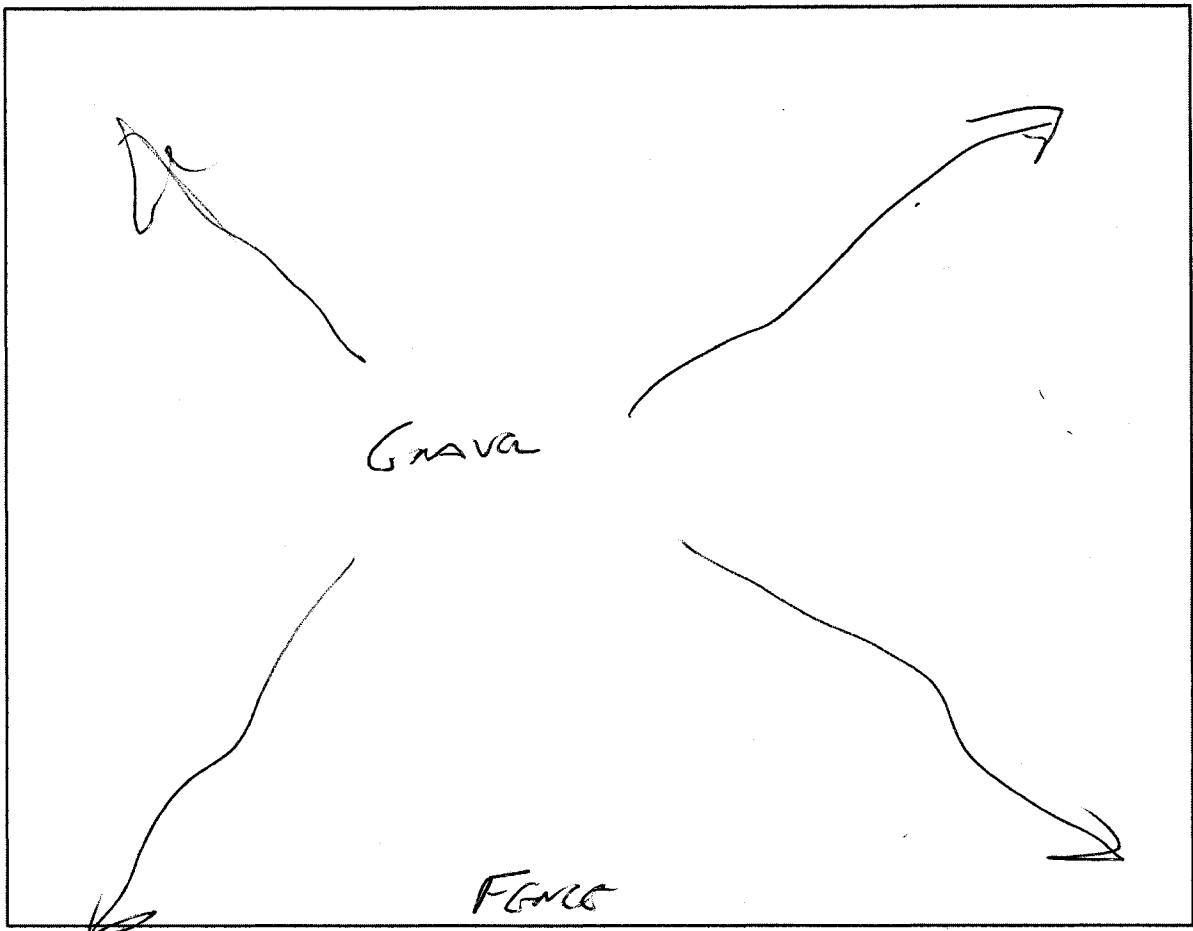
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

480600

480600



Grid Location: I13

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

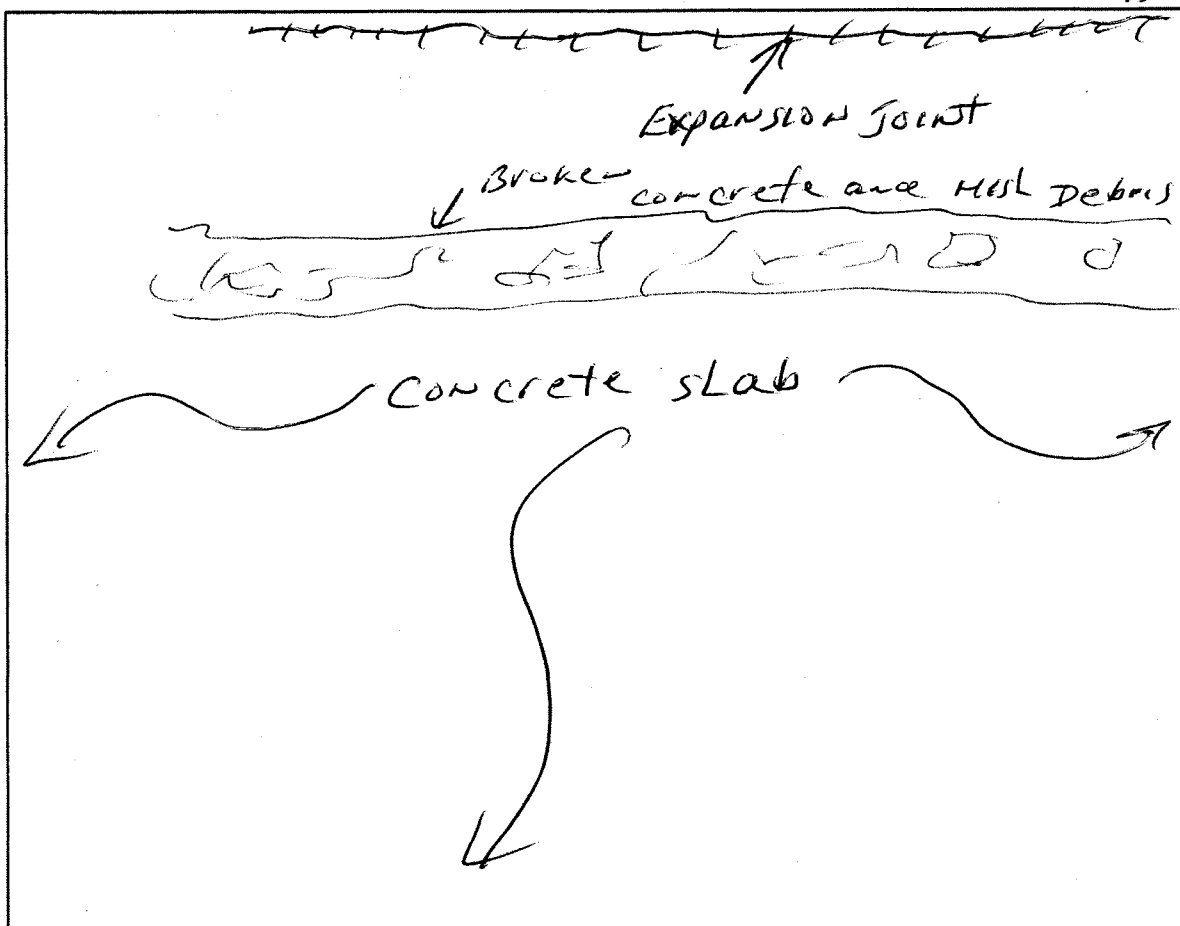
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

500+0

450+0



500+50

Grid Location: J1

Map Coordinates: N

-N

E

-E

450+50

Description:

PACM Identified: MSL Debris MINOR

Bulk Samples Collected:

Yes

No

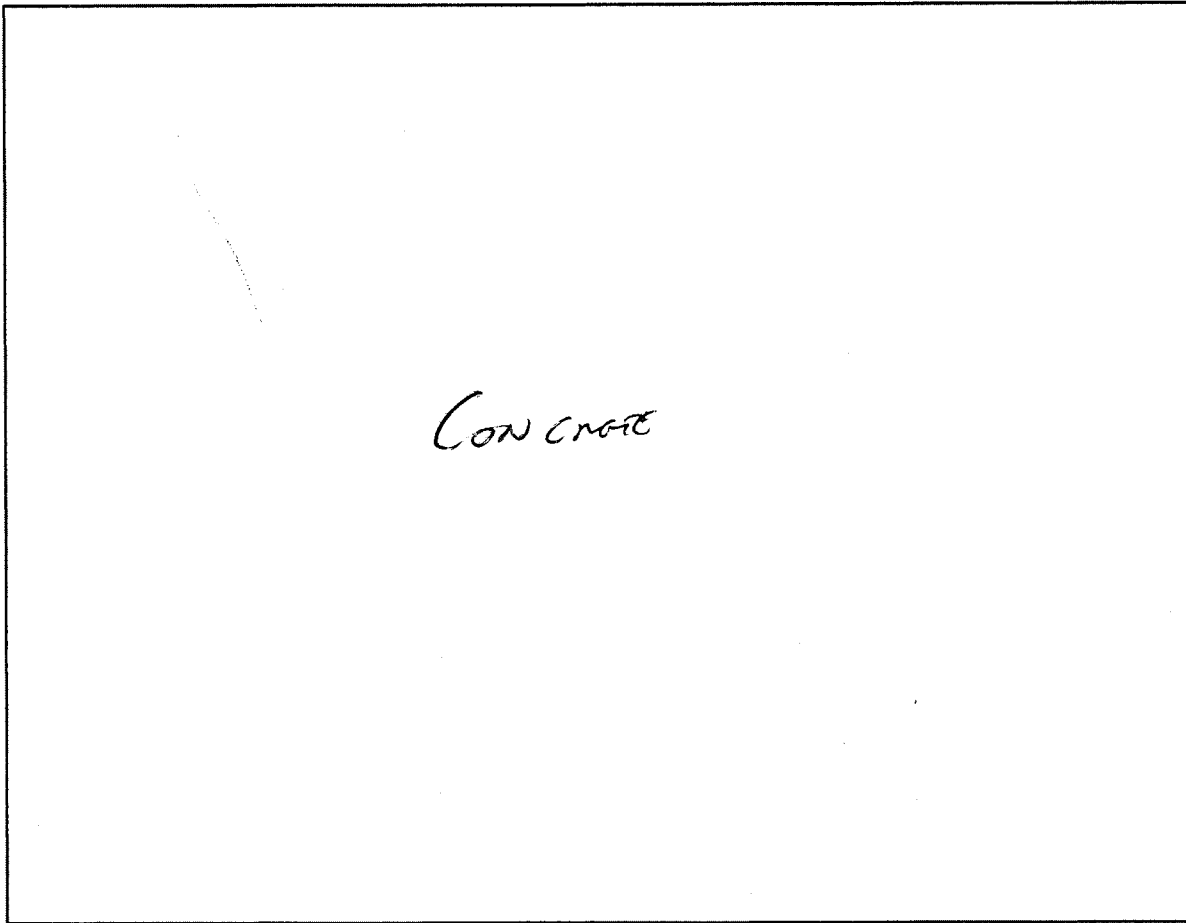
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

500250

450250



↑
N

500250

Grid Location: J2

Map Coordinates: N -N E -E

450250

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

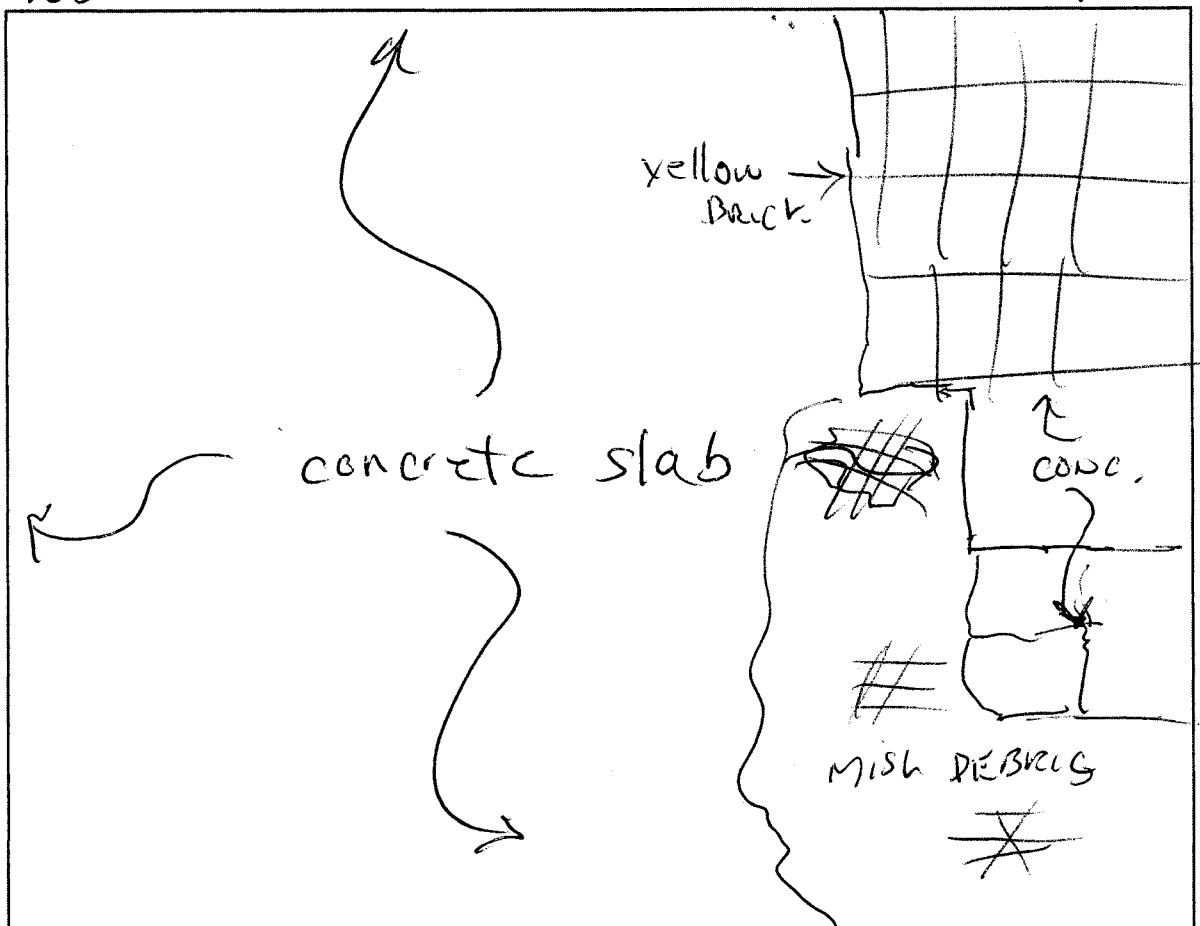
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

500+100

450+100



500+150

Grid Location: J3

Map Coordinates: N

-N

E

-E

450+150

Description:

PACM Identified: MISH. DEBRIS observed ~~there~~

Bulk Samples Collected:

Yes

No

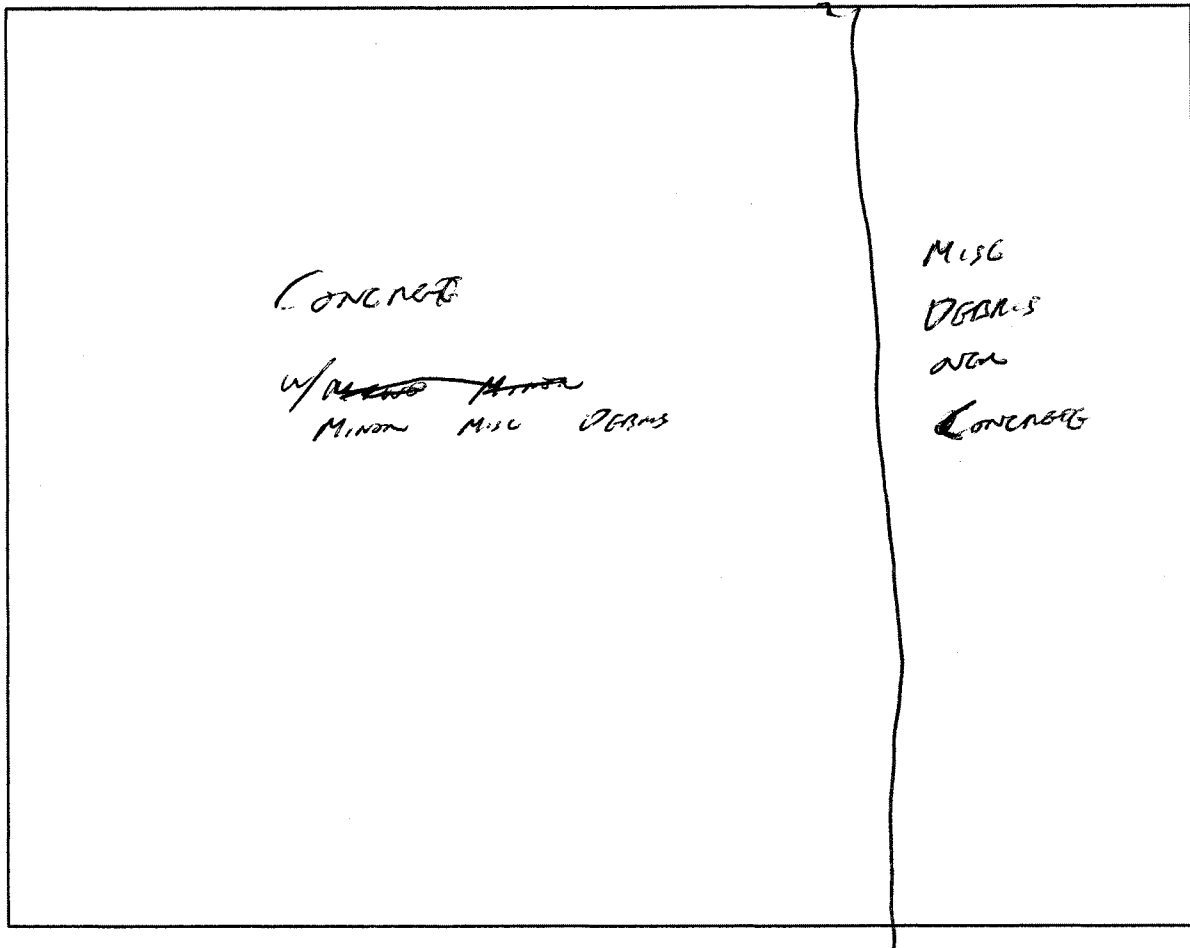
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

5006150

4506150



Grid Location: T4

Map Coordinates: N -N E -E

Description:

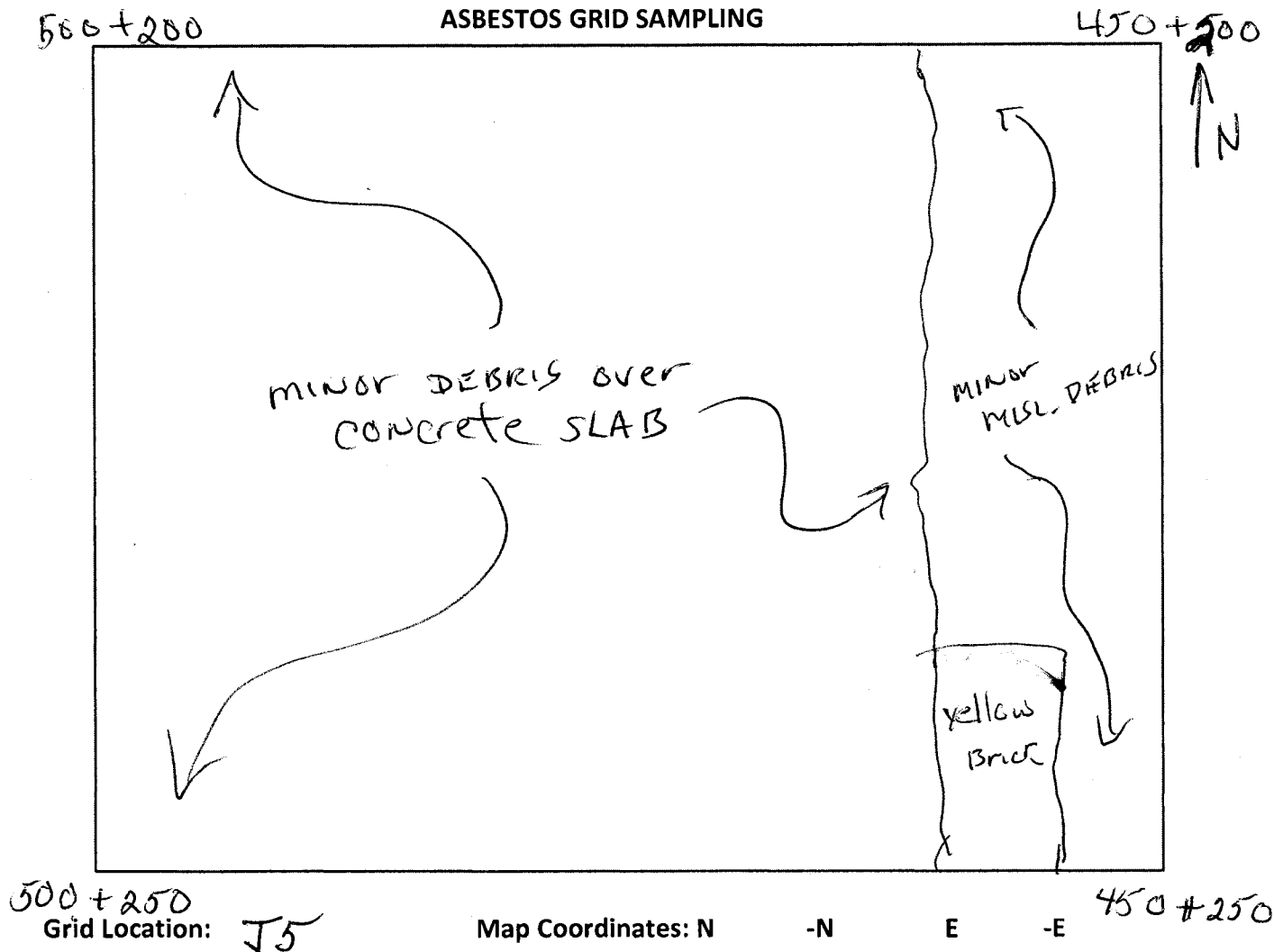
PACM Identified: MISC DEBRIS (See Previous)

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Description:

PACM Identified:

Bulk Samples Collected:

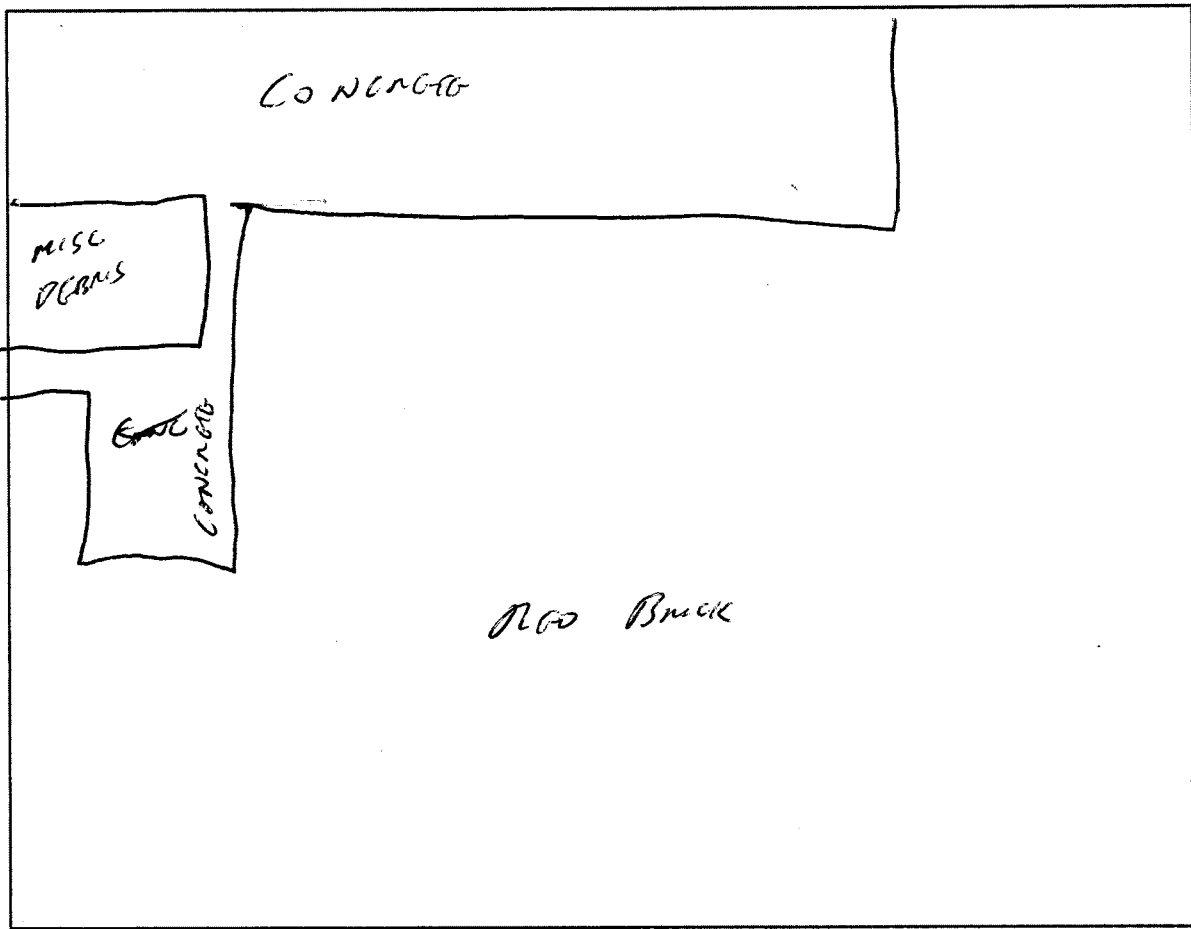
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location:

I6

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (560 Previous)

Bulk Samples Collected:

Yes

No

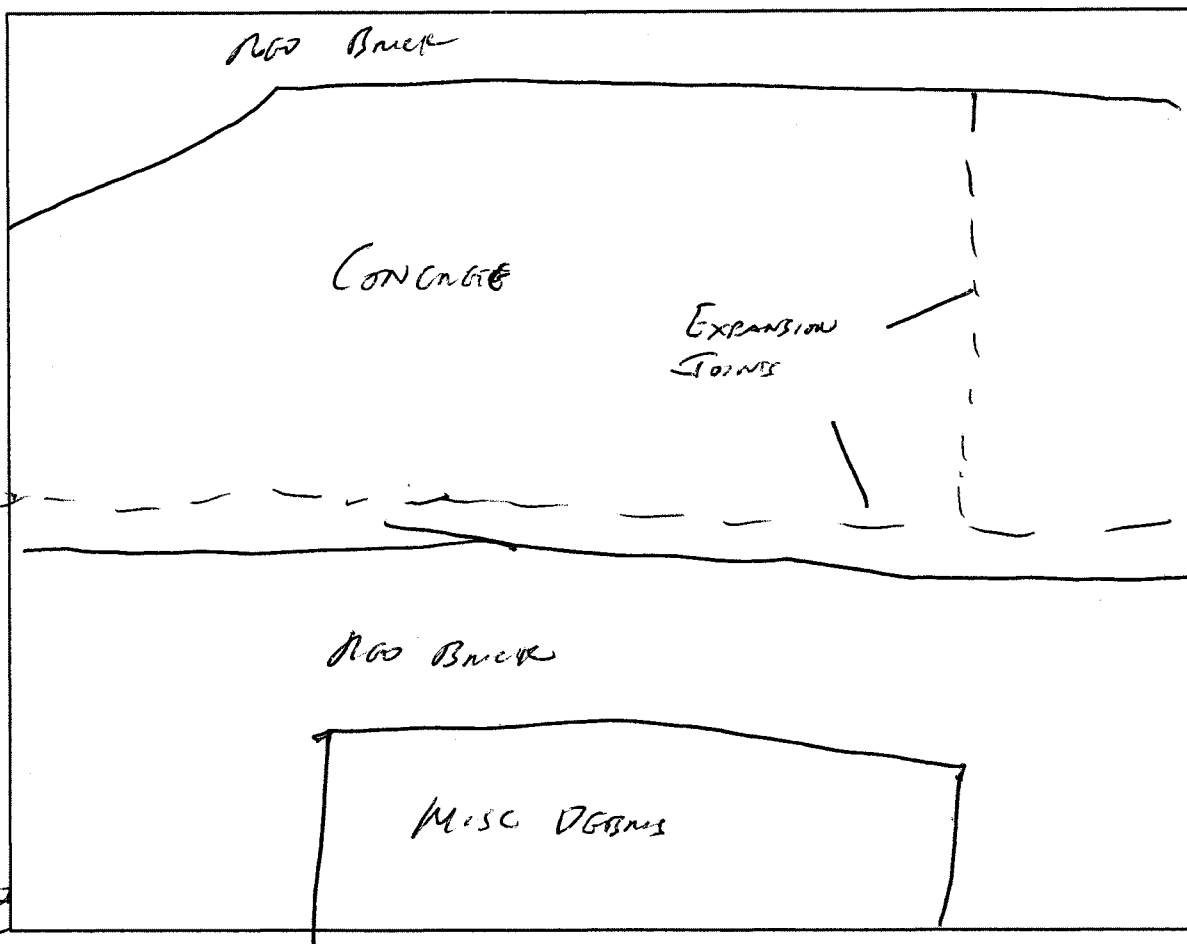
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

508+300

450+300



Grid Location: J7

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS), EXPANSION JOINTS

Bulk Samples Collected: Yes No

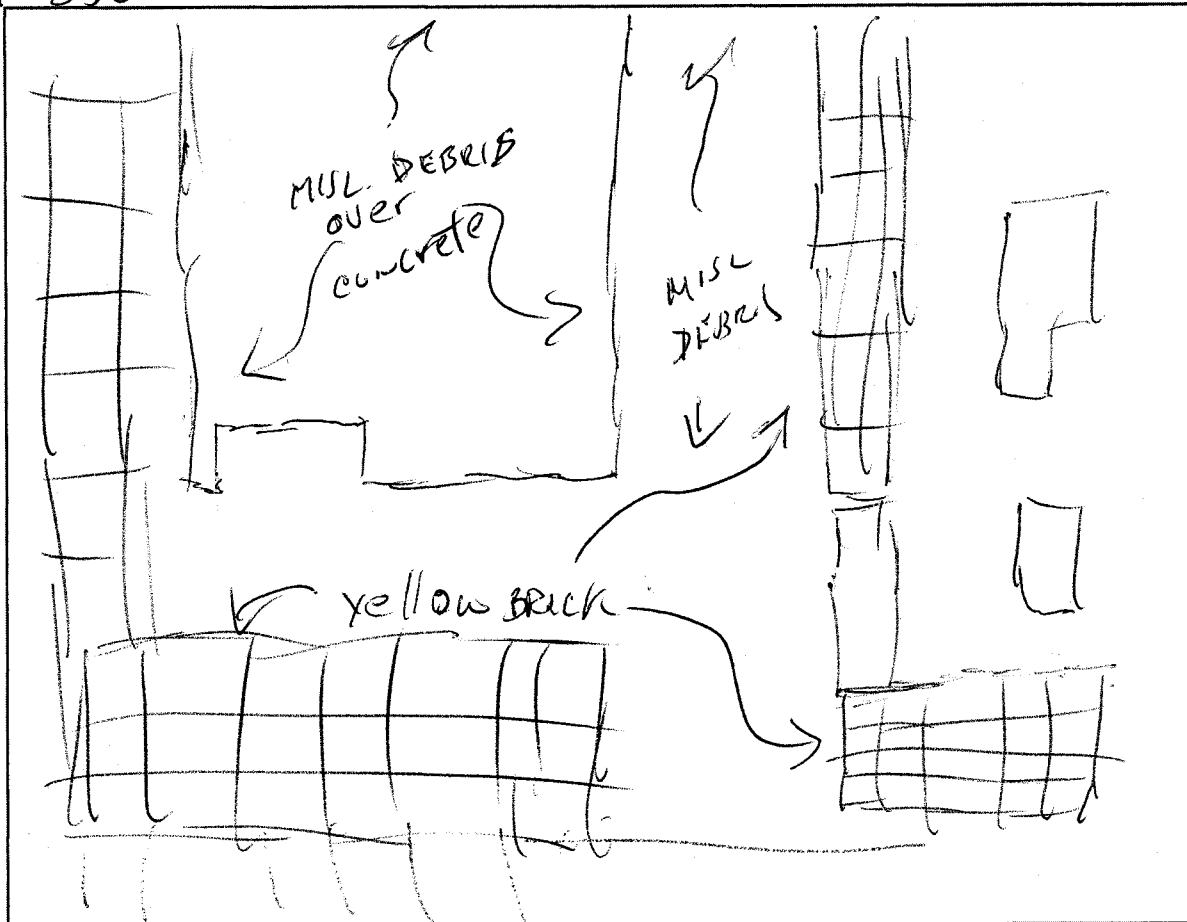
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

8500 + 350

450 + 350



500 + 400

Grid Location: ~~JS~~ JS

Map Coordinates: N

-N

E

-E

450 + 400

Description:

PACM Identified: MISC. DEBRIS Roofing, Trasme, GAL Bests, ELASTING

Bulk Samples Collected:

Yes

No

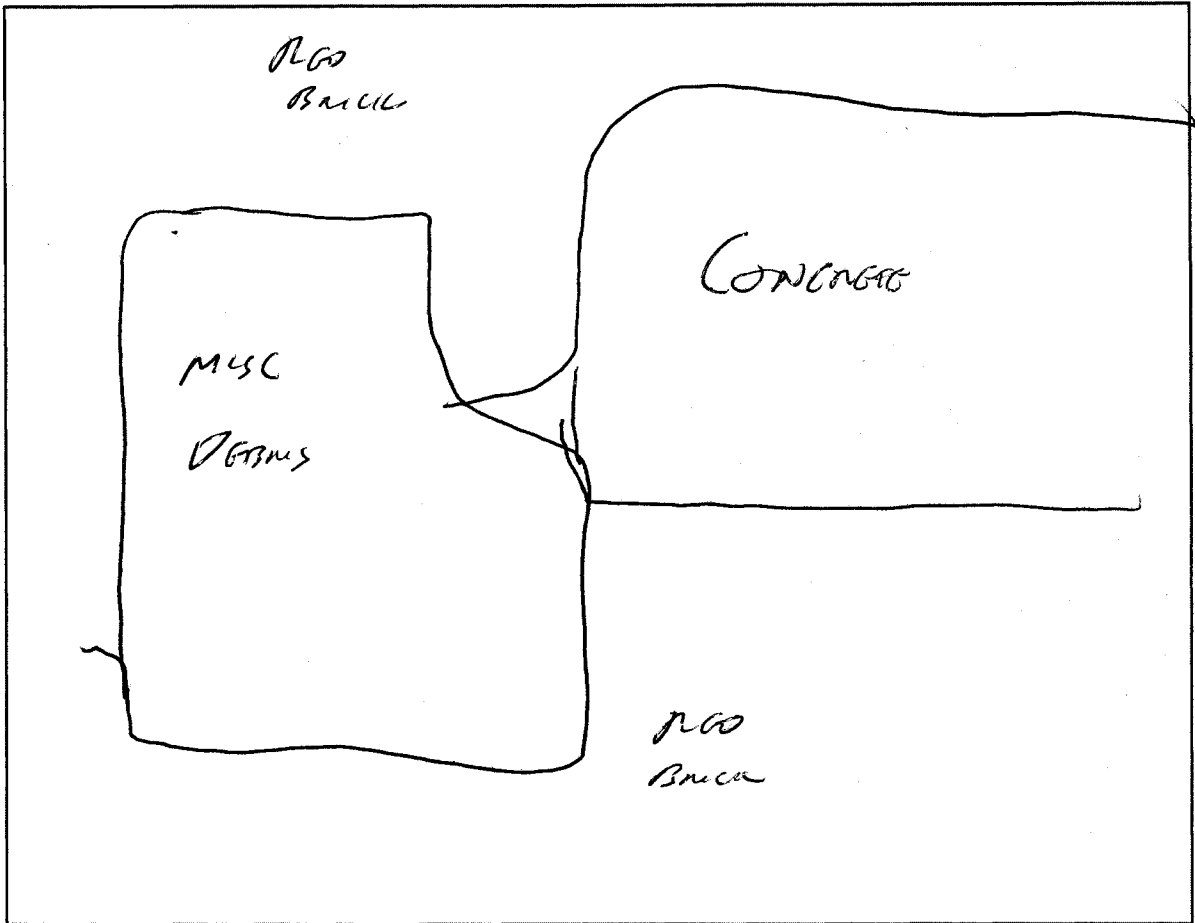
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

500 + 450

450 + 400



500 + 450

450 + 400

Grid Location: 59

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (See Previous)

Bulk Samples Collected: Yes No

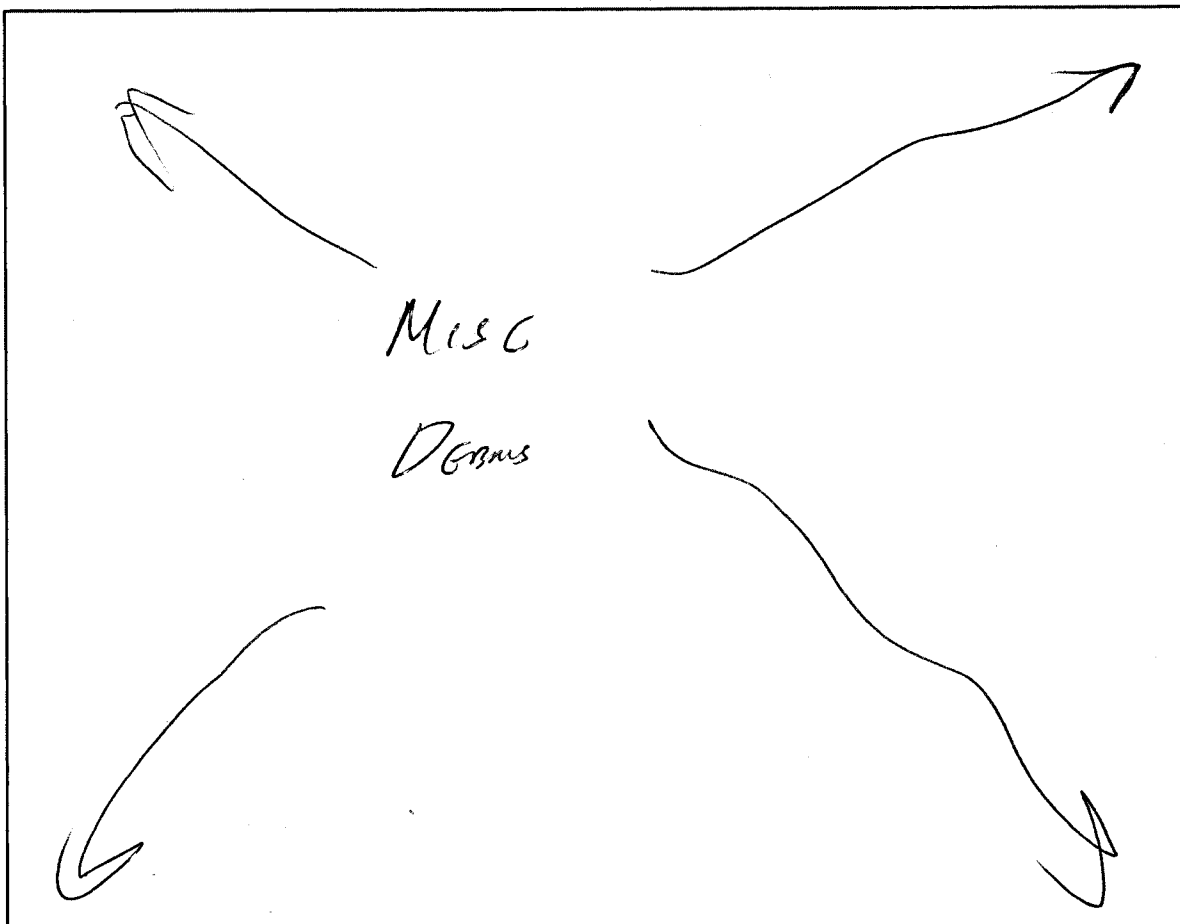
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

500+450

450+450



500+500

450+500

Grid Location: T10

Map Coordinates: N -N E -E

Description:

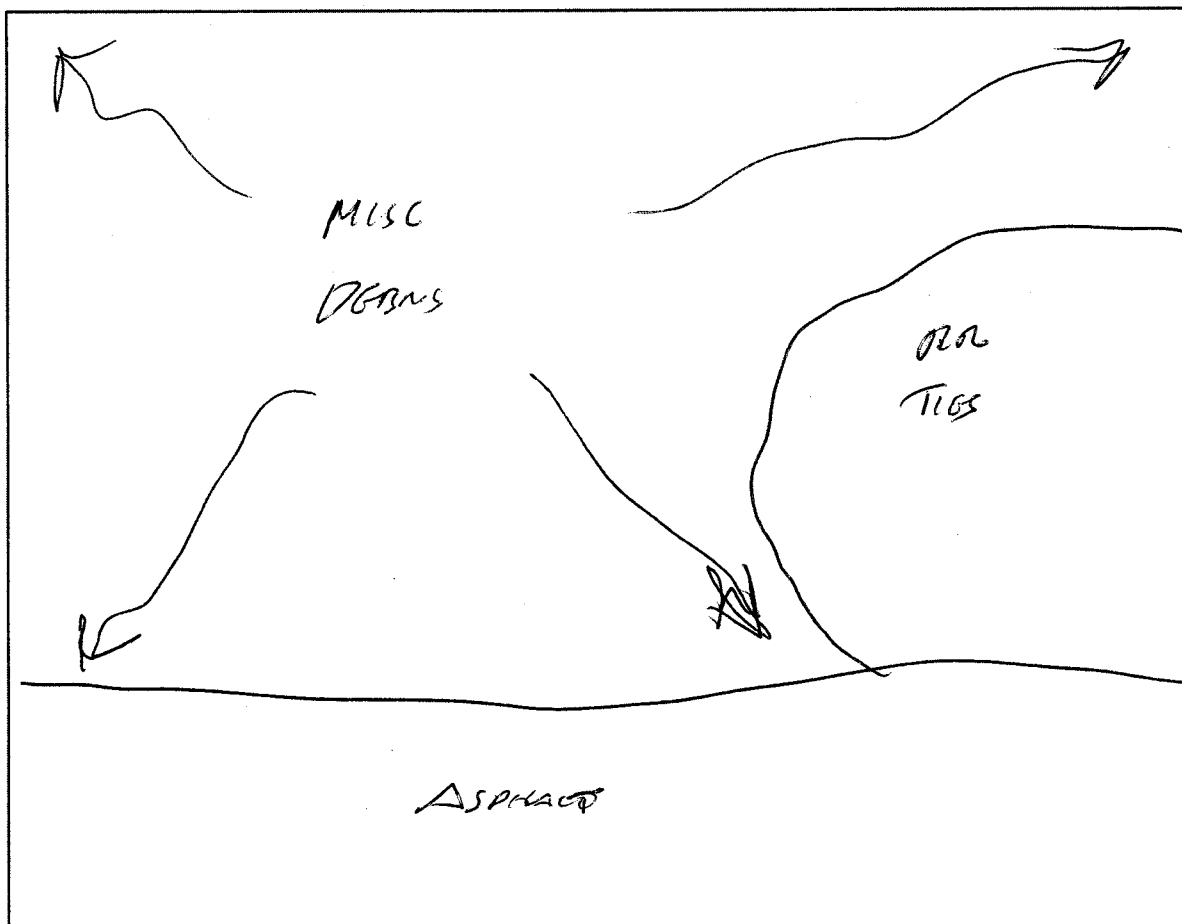
PACM Identified: Misc Debris (see previous)

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: J11

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (See Previous)

Bulk Samples Collected: Yes No

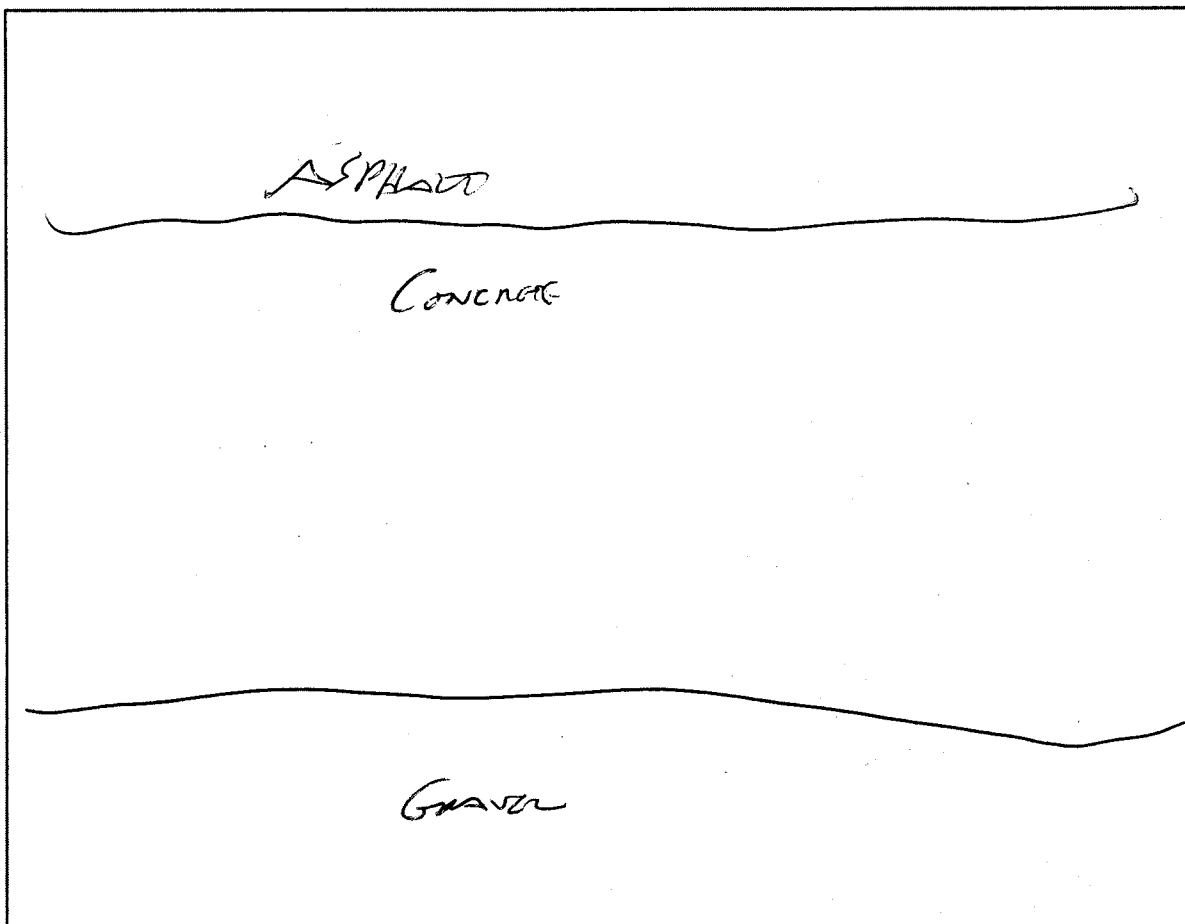
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

500+560

450+550



N

500+600

450+600

Grid Location: IR

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

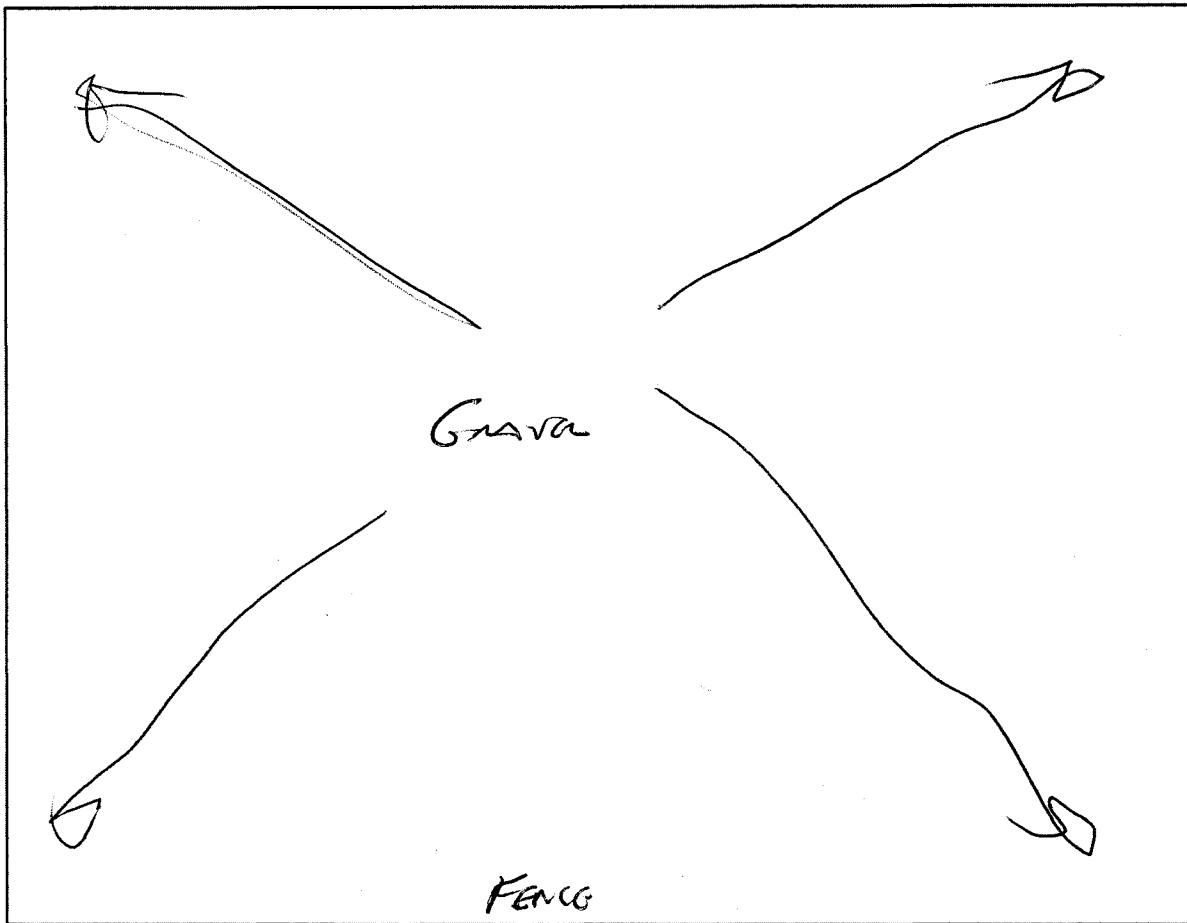
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

500600

450660



Grid Location: J13

Map Coordinates: N -N E -E

Description:

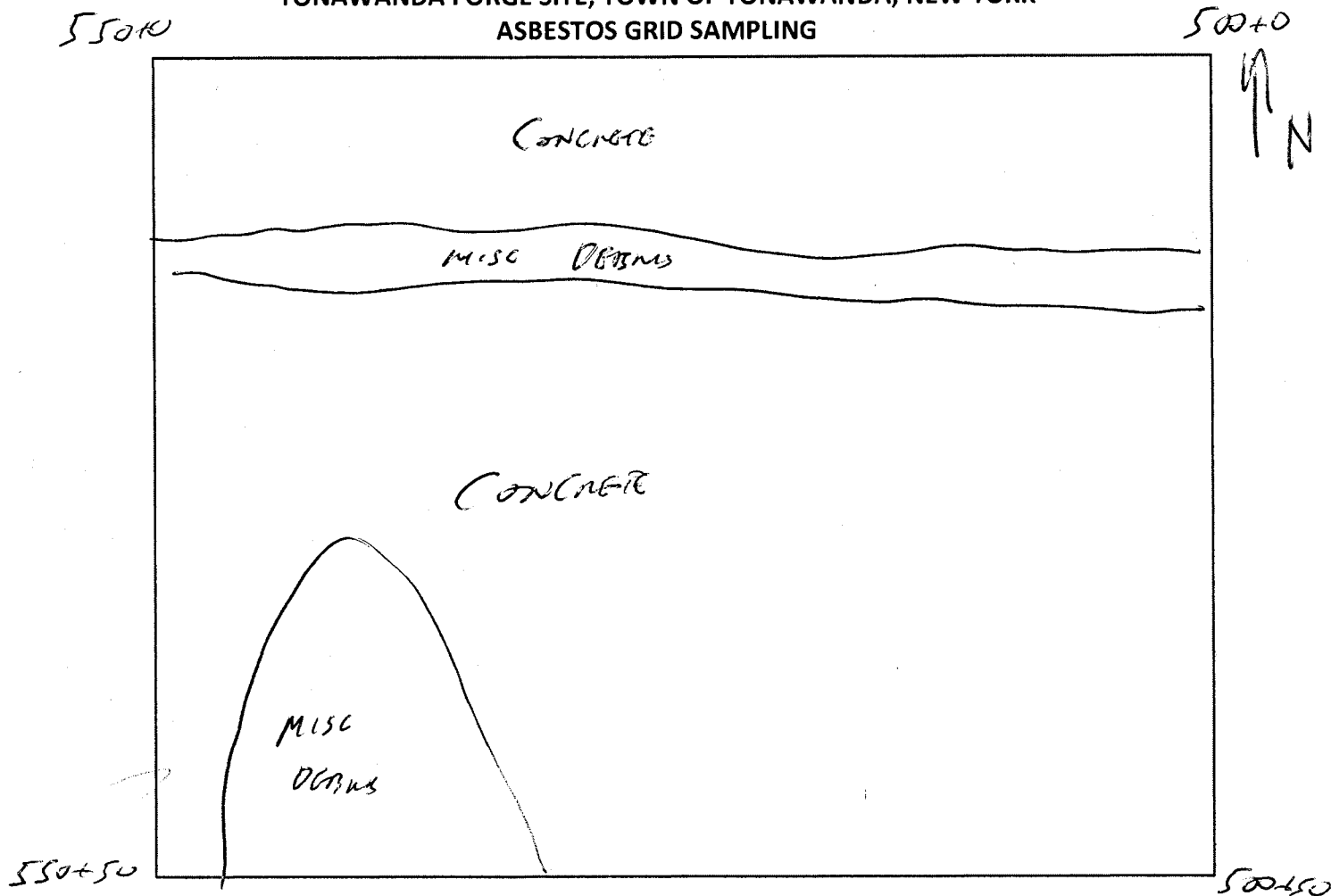
PACM Identified:

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: ~~101~~ 101

Map Coordinates: N -N E -E

Description:

PACM Identified: *Misc Debris (See Previous)*

Bulk Samples Collected:

Yes

No

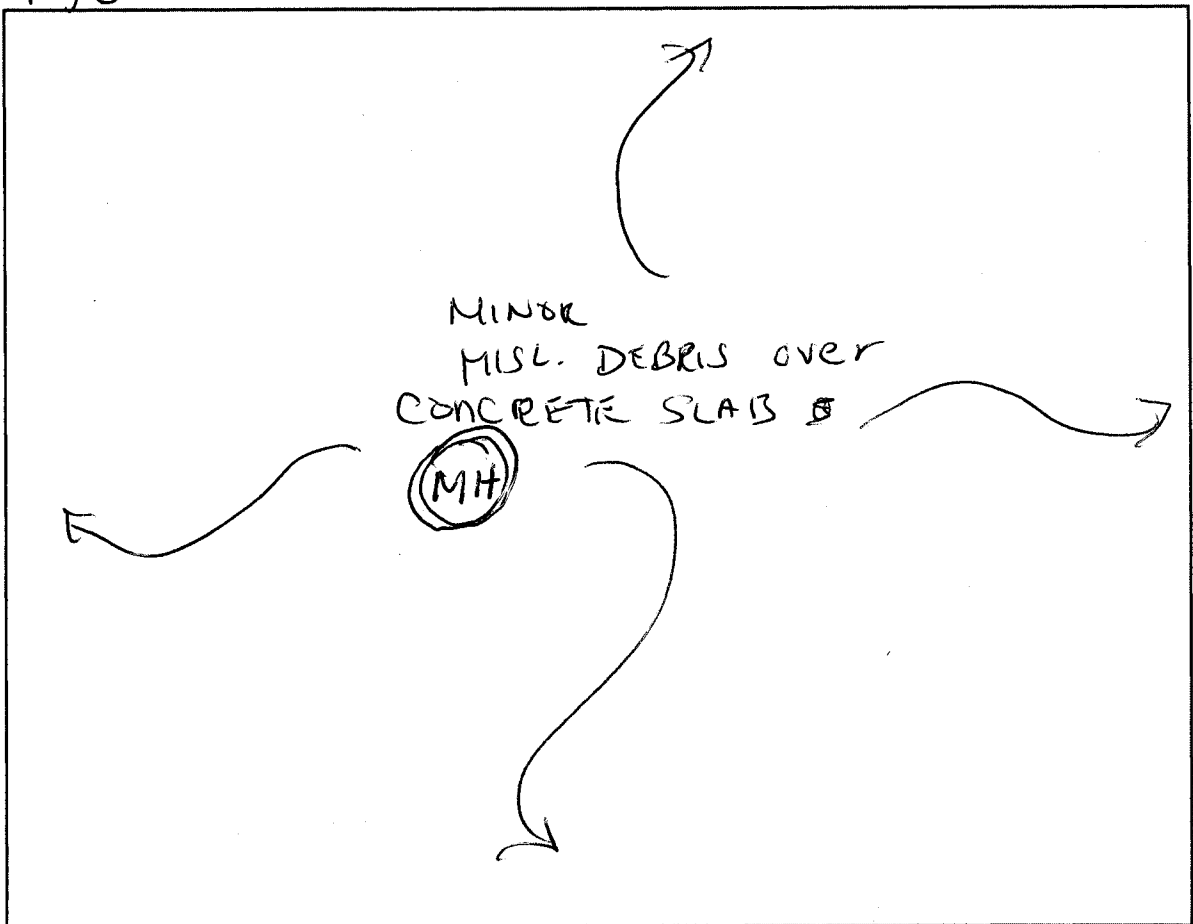
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

550+50

500+56



550+100
Grid Location: K2

Map Coordinates: N

-N

E

-E 500+100

Description:

PACM Identified: MINOR MISC. DEBRIS

Bulk Samples Collected:

Yes

No

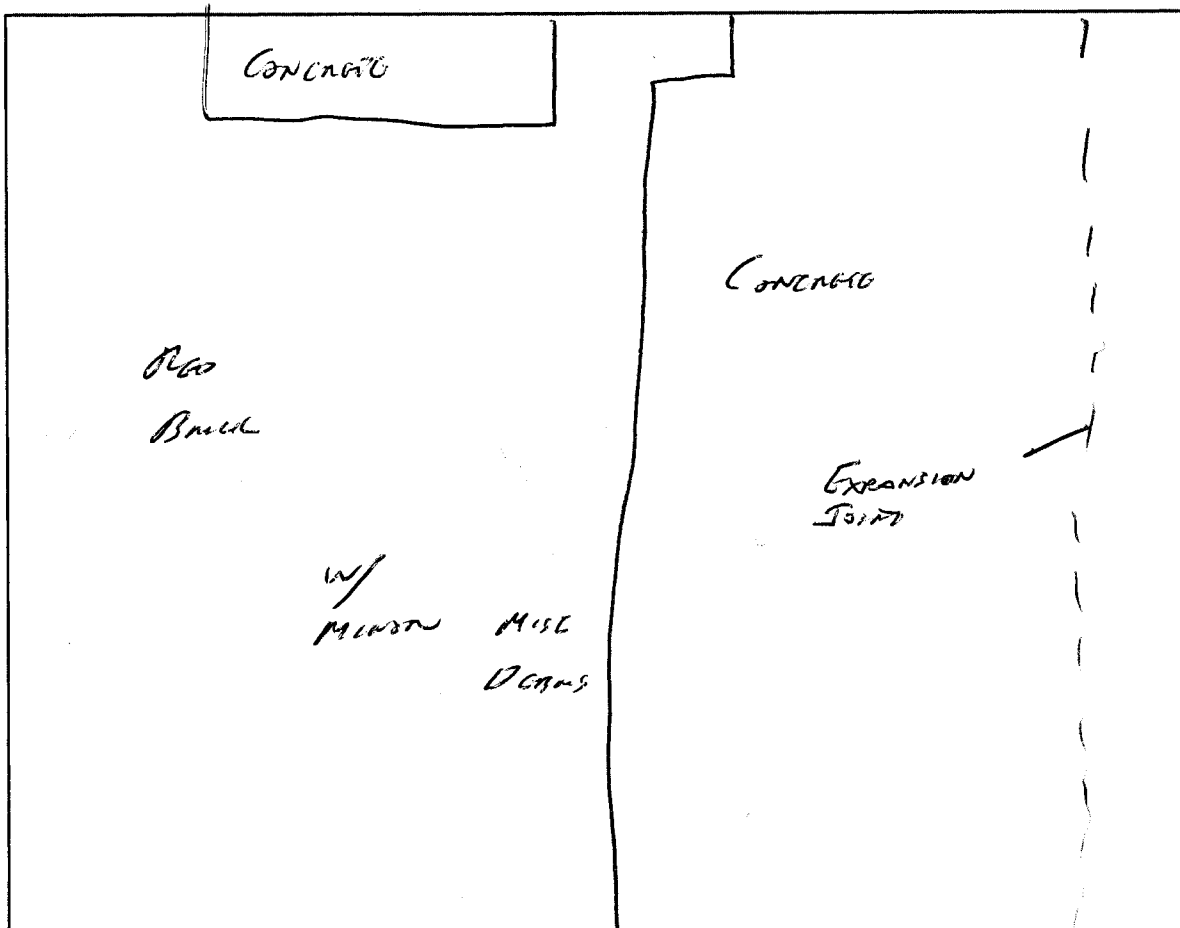
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

5506100

5506100



5506150

5506150

Grid Location: 143

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: Expansion Joint, Minor Misc Debris (See Previous)

Bulk Samples Collected:

Yes

No

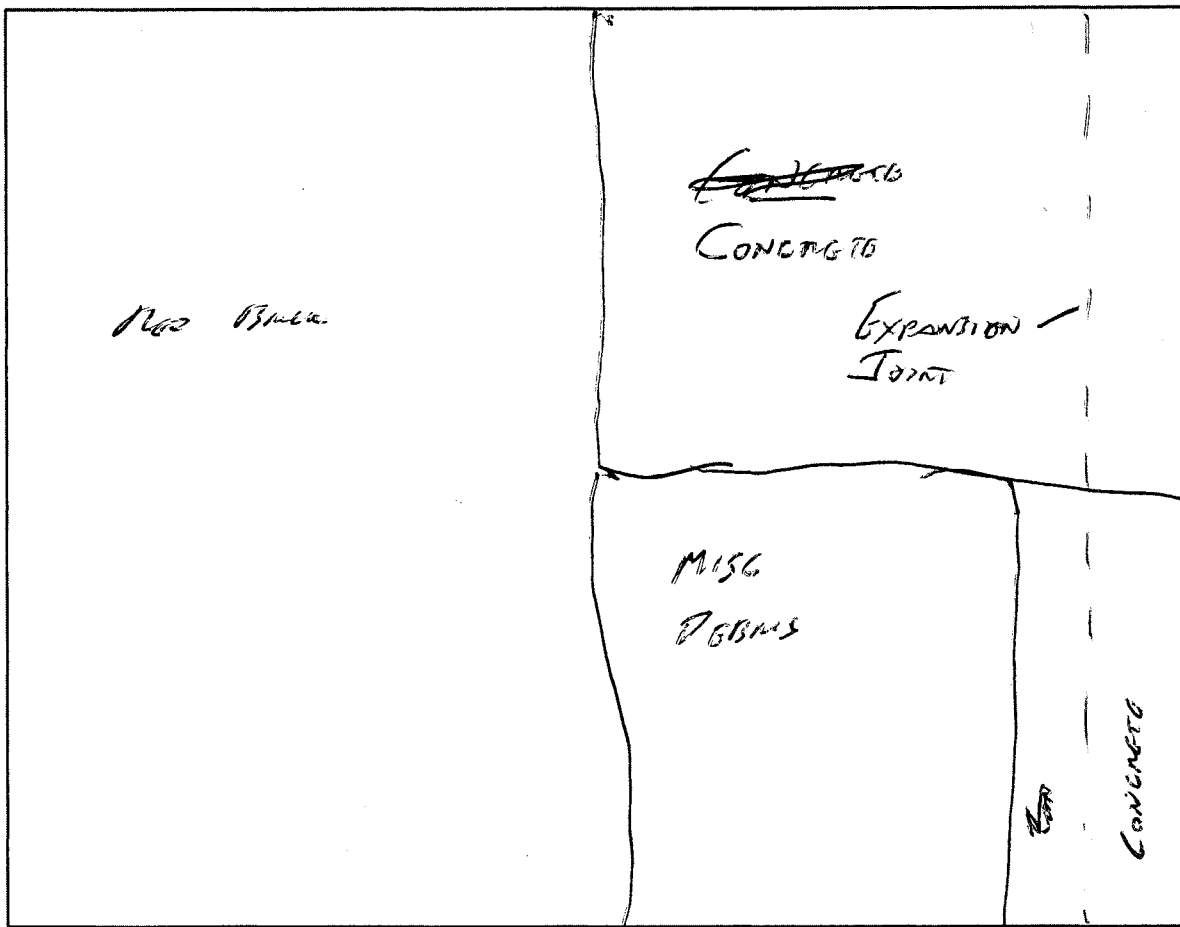
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

5506150

5506150



5506200

5506200

Grid Location:

164

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS), EXPANSION

Bulk Samples Collected:

Yes

No

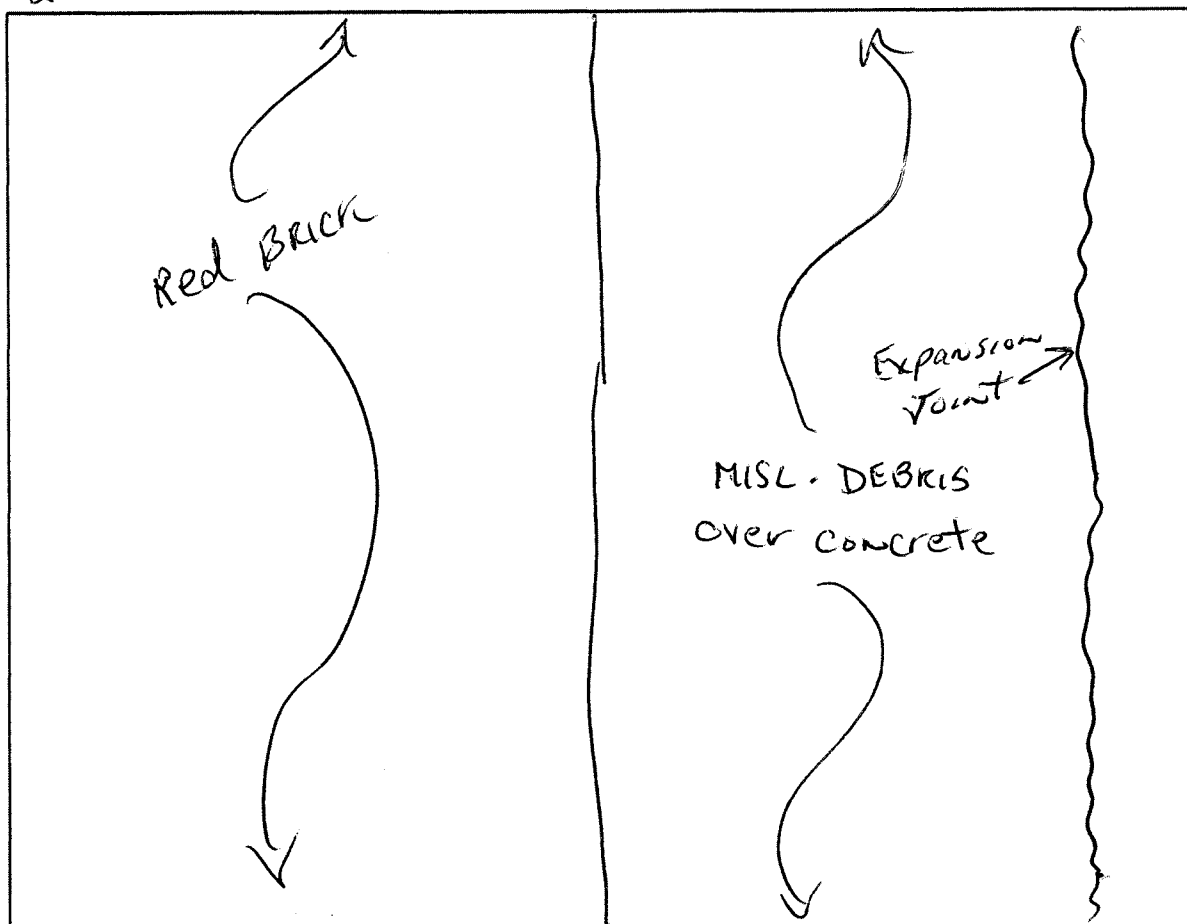
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

550 + 200

500 + 200



550 + 250

Grid Location: K5

Map Coordinates: N

-N

E

-E

500 + 250

Description:

PACM Identified: MISC. Roofing, shingles, Tar paper, Transite, Built-up Roofing

Bulk Samples Collected:

Yes

No

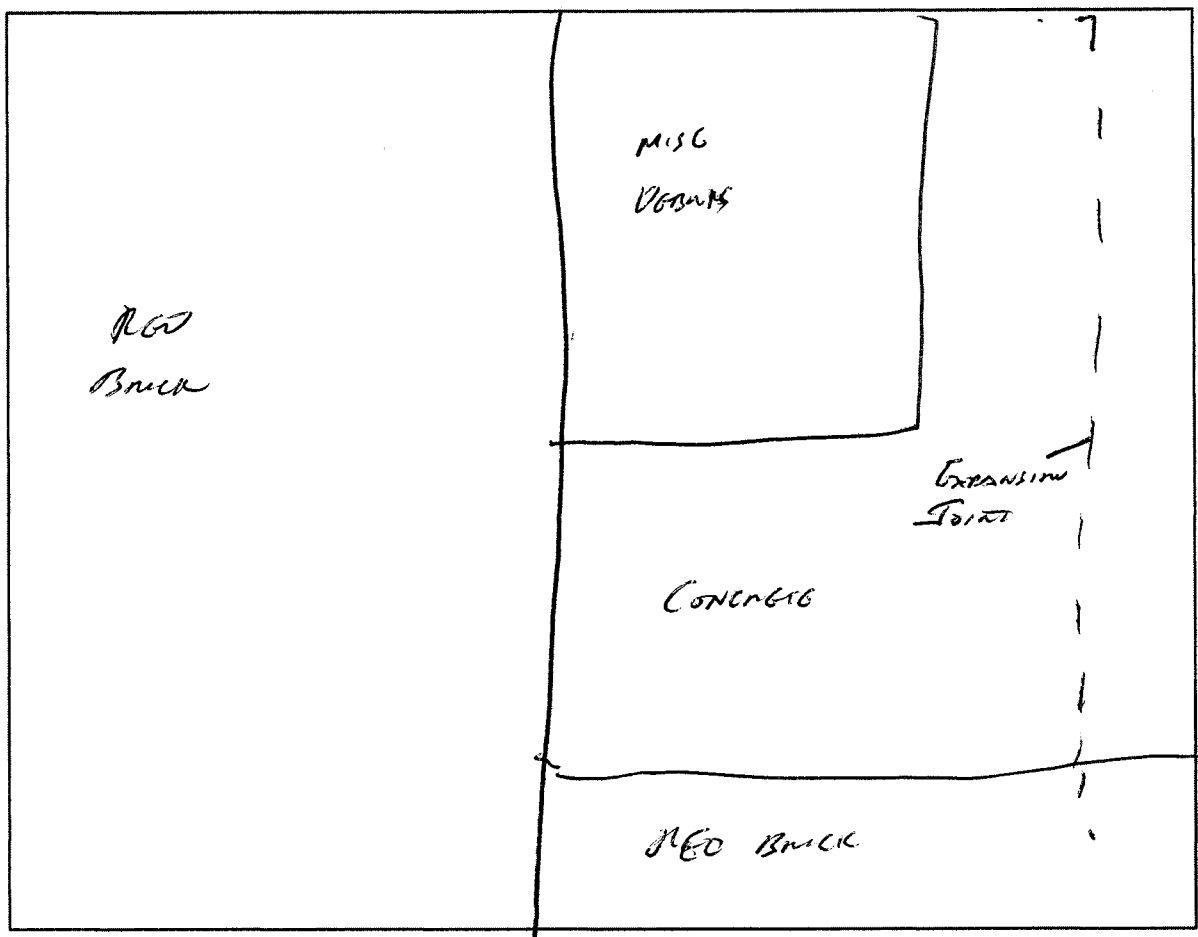
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

5504250

5004250



5504300

5004300

Grid Location: 166

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PARAGRAPH), EXPANSION JOINT

Bulk Samples Collected:

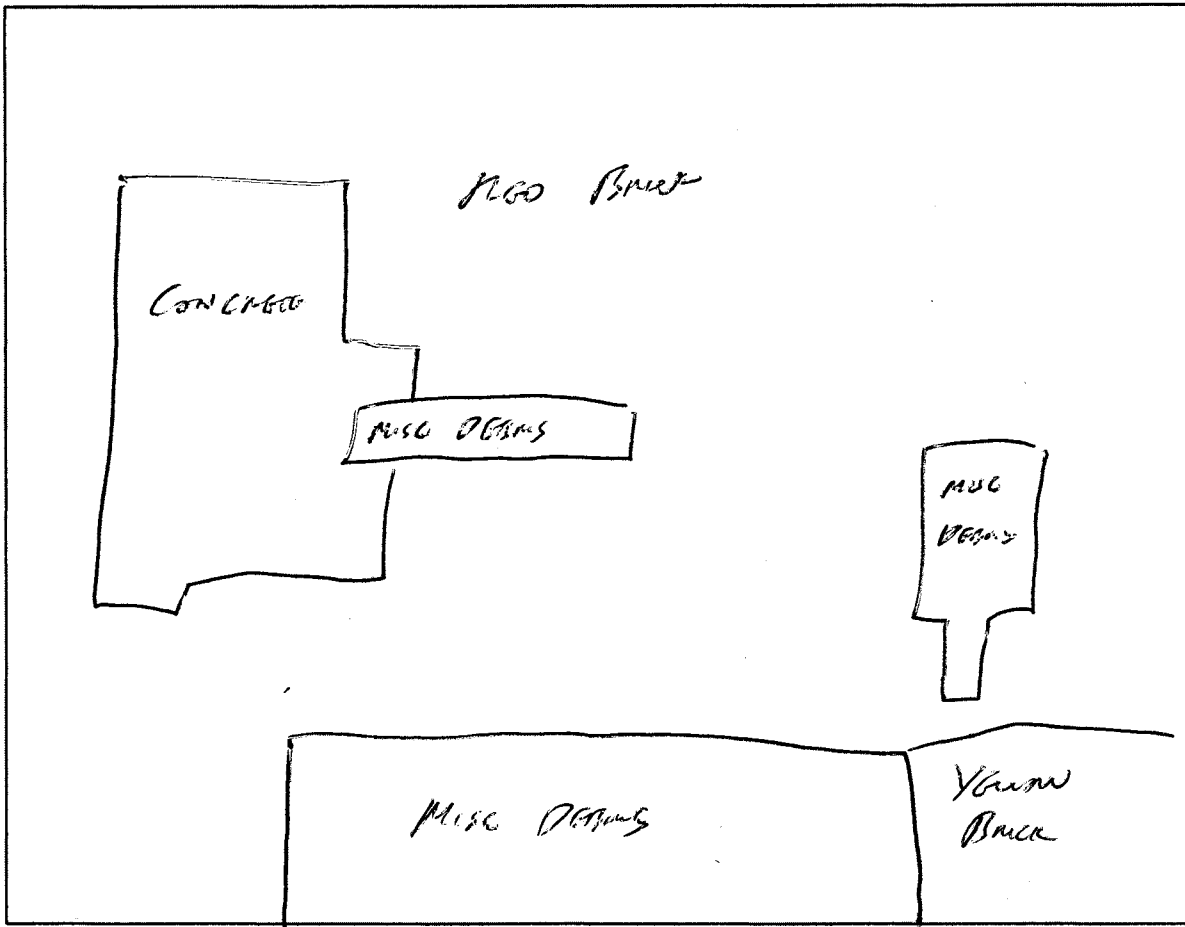
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: *W11 127*

Map Coordinates: N

-N

E

-E

504350

Description:

PACM Identified: *Misc Debris (see Photos)*

Bulk Samples Collected:

Yes

No

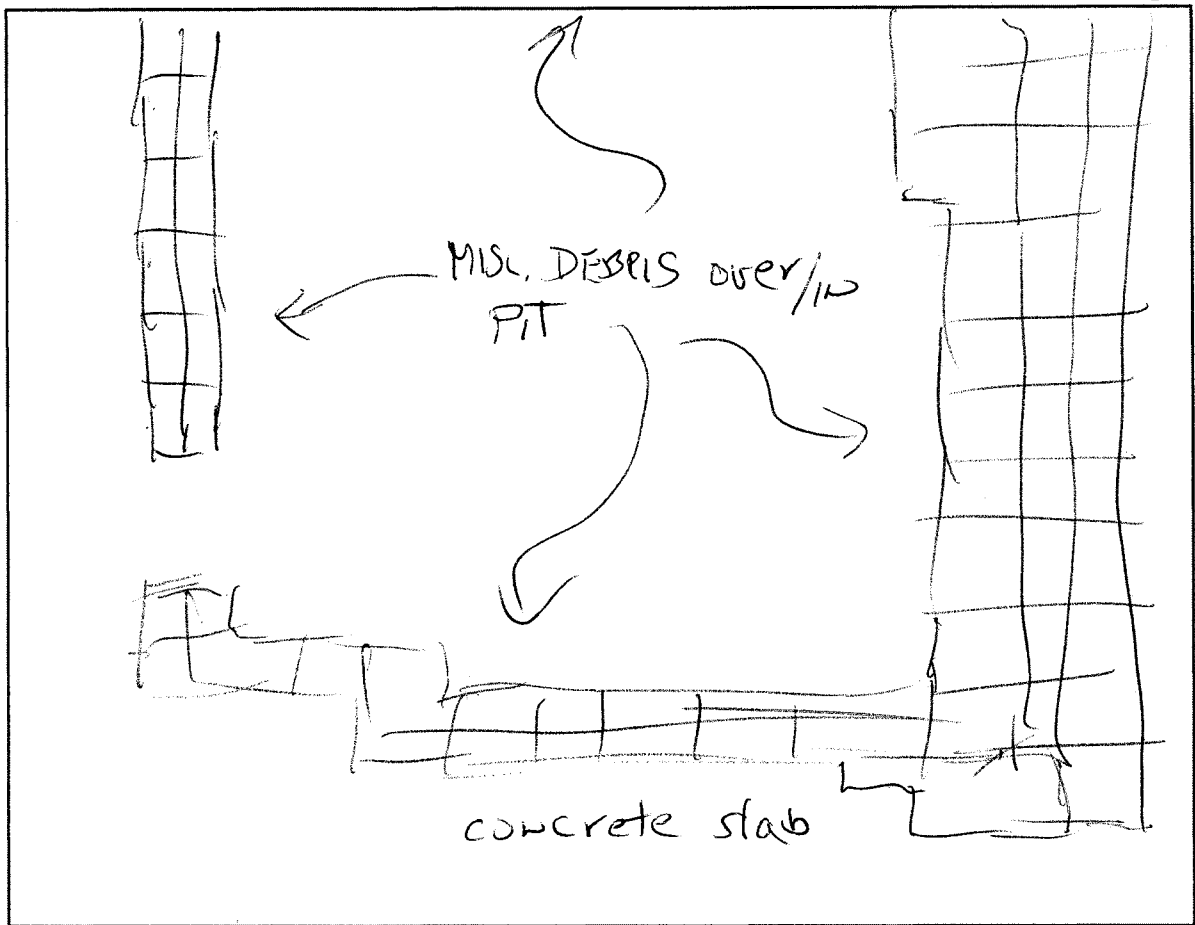
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

550+350

500+350



550+400

Grid Location: K8

Map Coordinates: N

-N

E

-E

500+400

Description:

PACM Identified: MISC. DEBRIS Bolt-up roof, flashing, Transite, BRK coating
 over foam, Taron Brick, BRN Layered Board

Bulk Samples Collected:

Yes

No

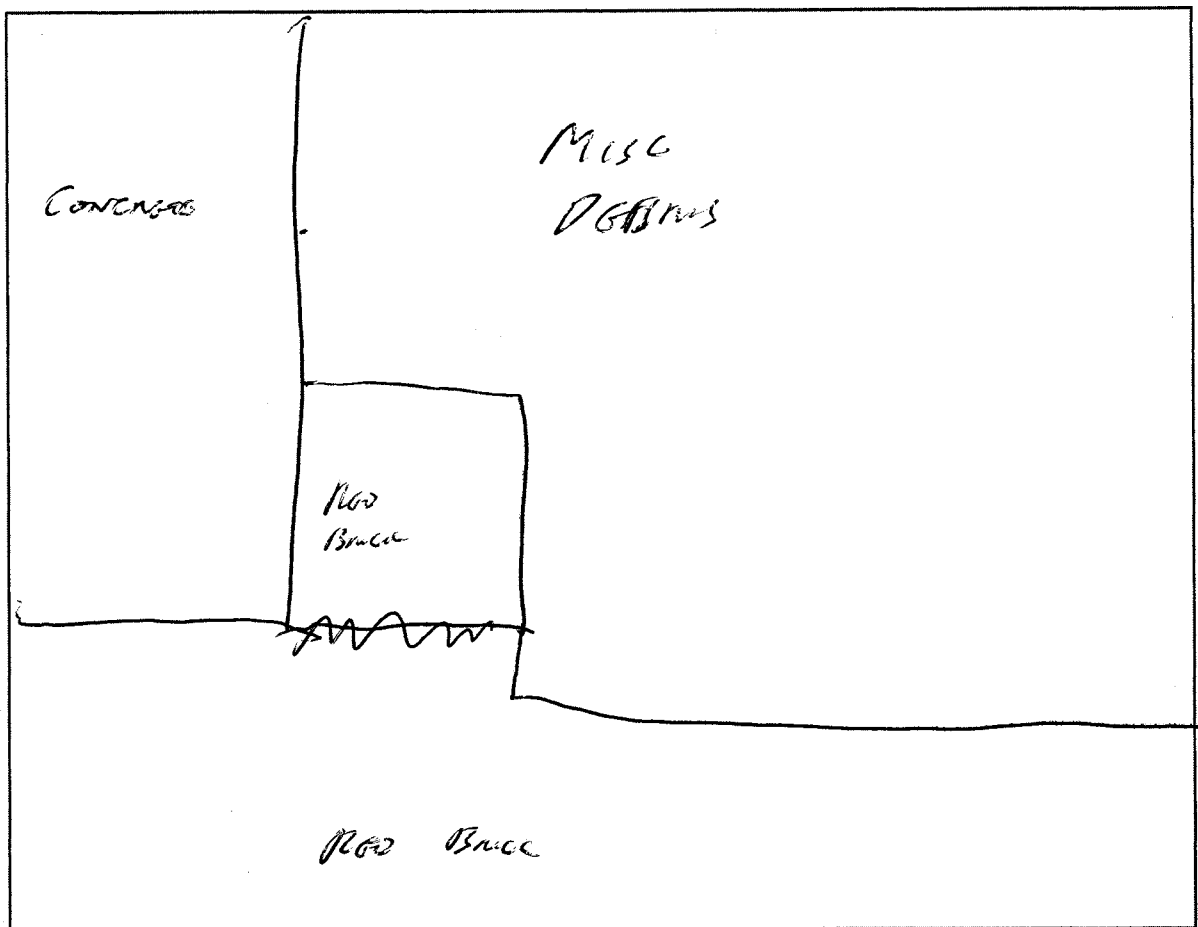
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

550640

50040



550640

50040

Grid Location: 109

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected:

Yes

No

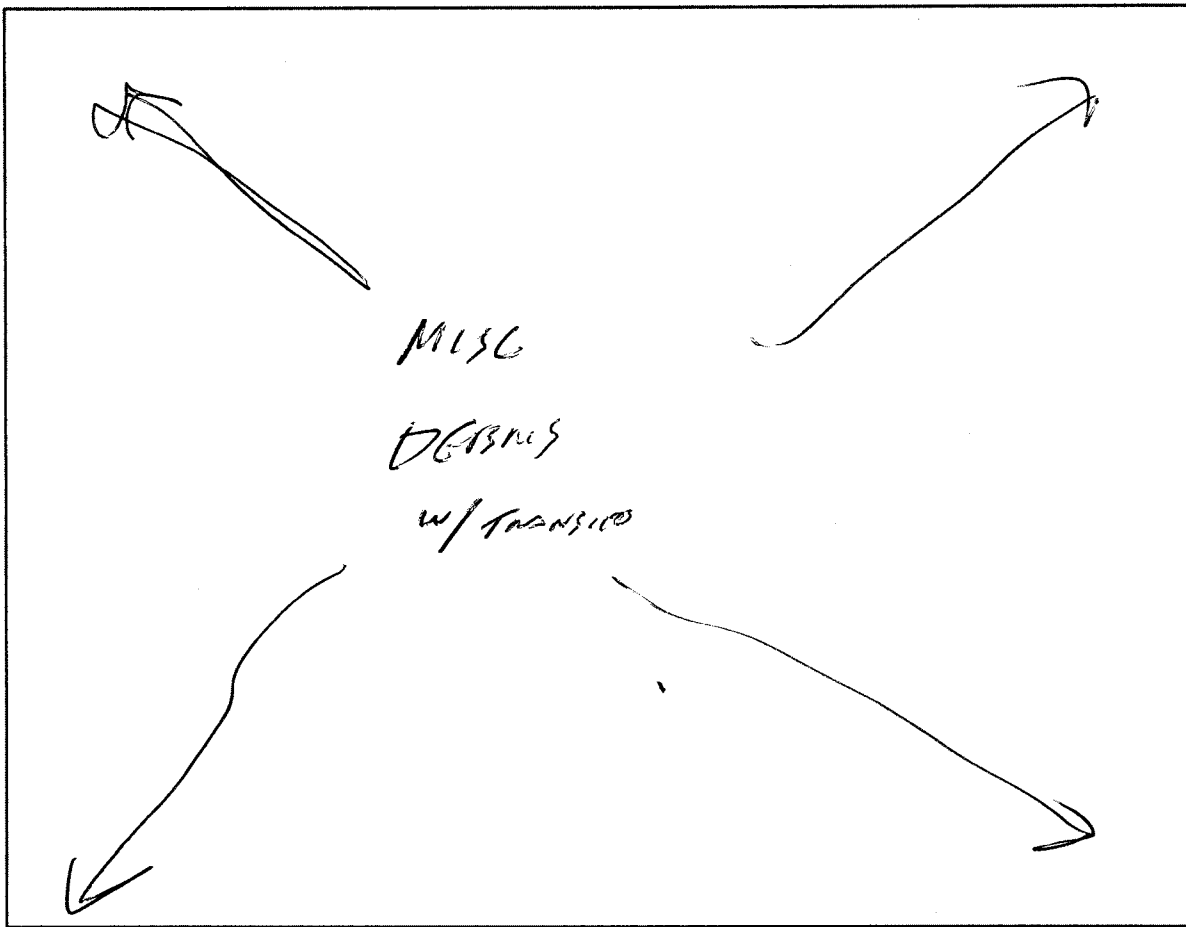
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

5506450

5000 480



5506500

5001500

Grid Location: K10

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS), TRANSITION

Bulk Samples Collected: Yes No

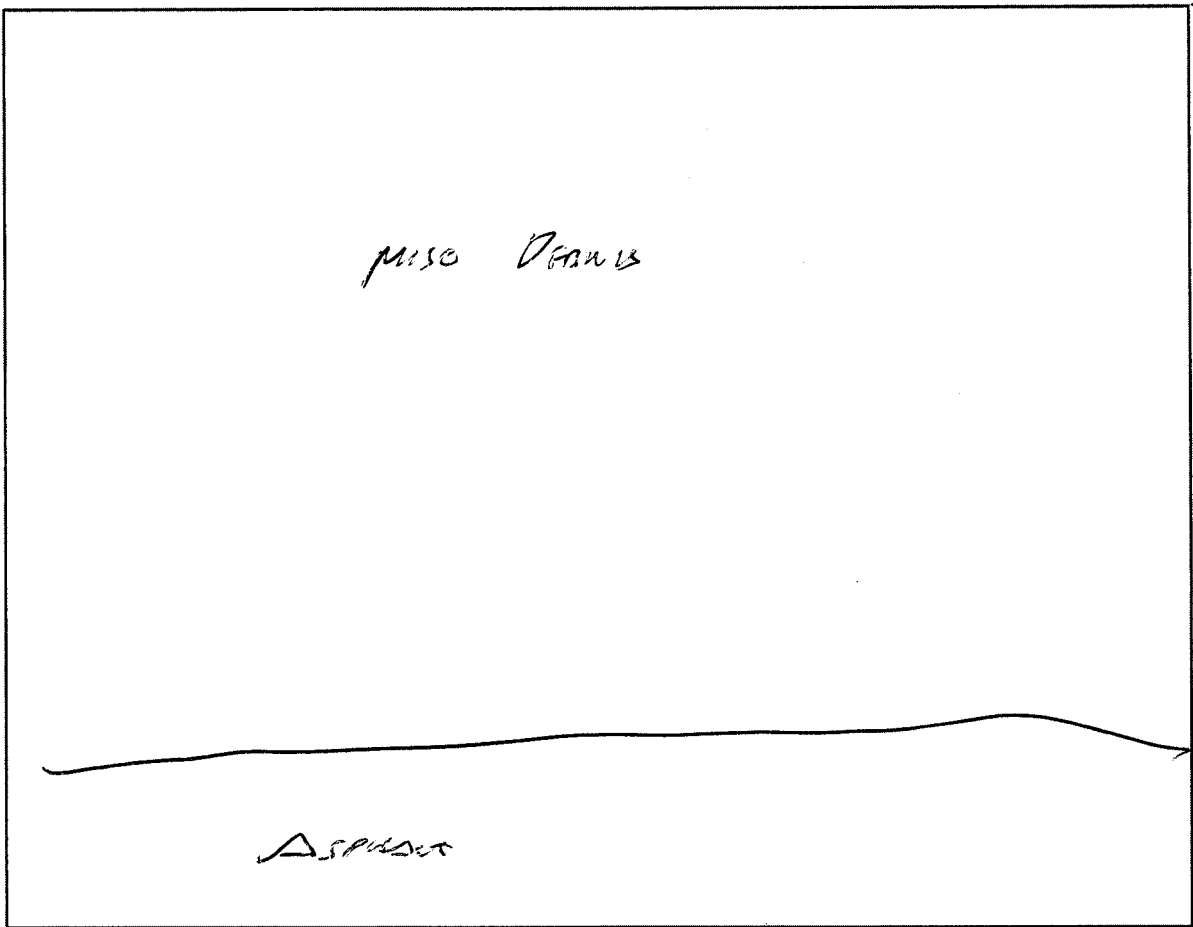
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

550+500

500+500
 ↑
 N



550+500

500+500

Grid Location: 1611

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (See Previous)

Bulk Samples Collected: Yes No

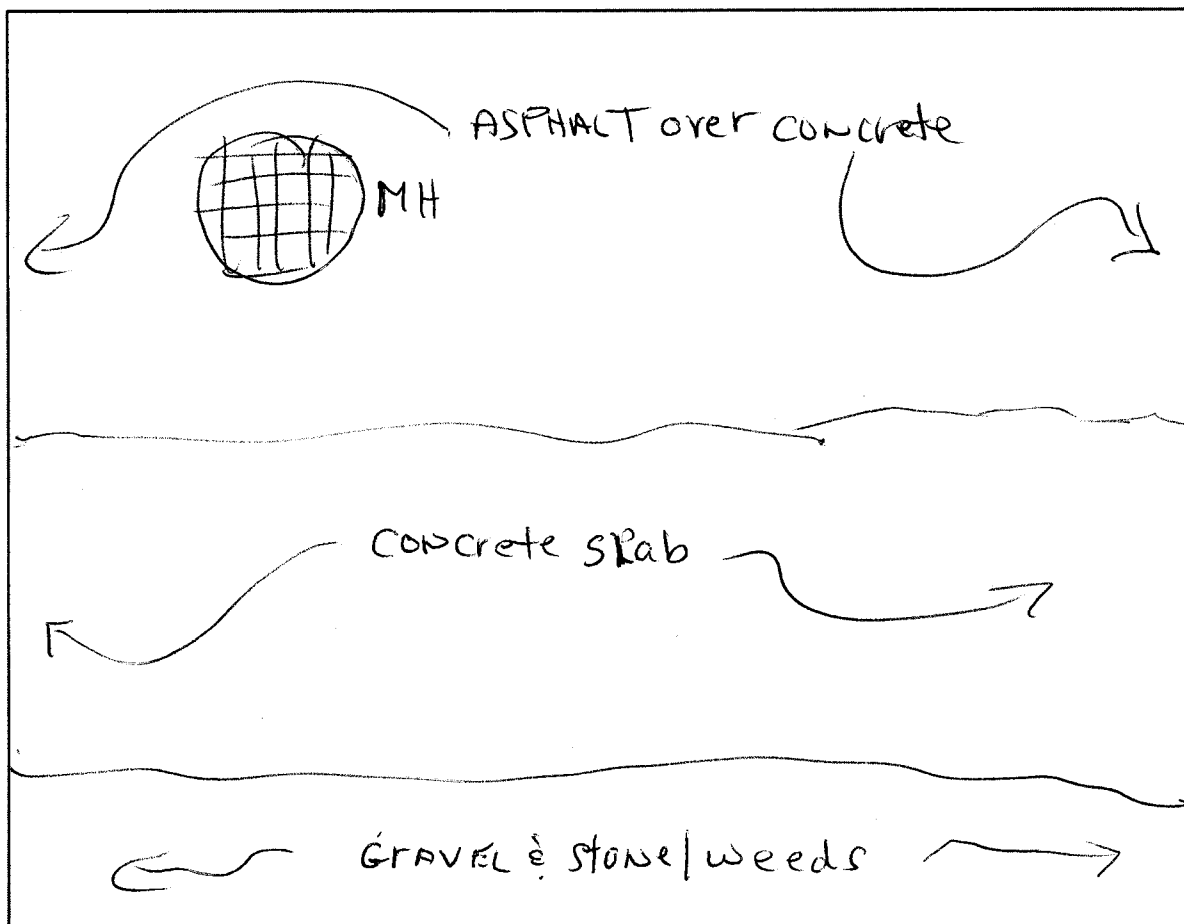
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

550 + 550

500 + 550



550 + 600

500 + 600

Grid Location: K12

Map Coordinates: N -N E -E

Description:

PACM Identified: NO suspect ACM

Bulk Samples Collected: Yes No

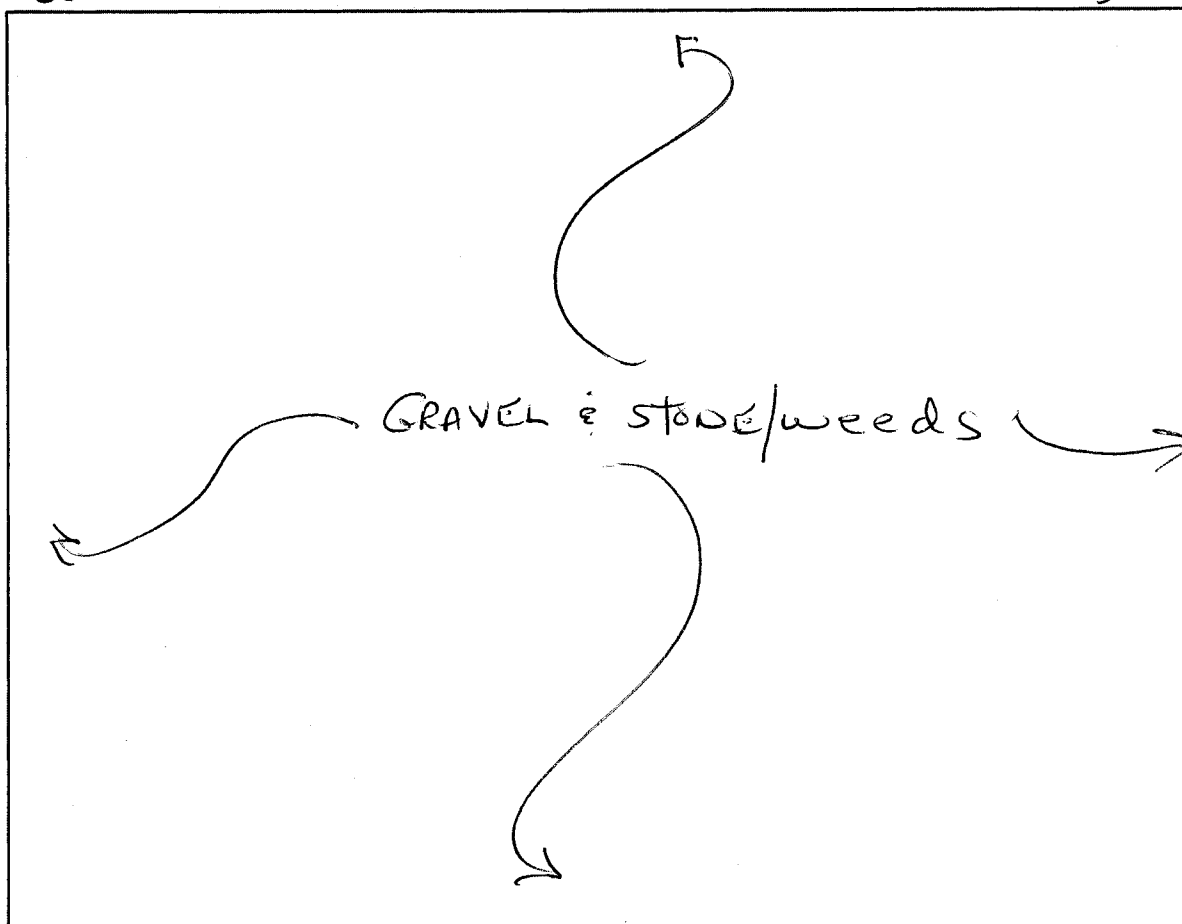
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

550+600

500+600



550
~~600~~+640

600+640

Grid Location: K13

Map Coordinates: N -N E -E

Description:

PACM Identified: NO SUSPECT ACM GRAVEL/stone/weeds

Bulk Samples Collected: Yes No

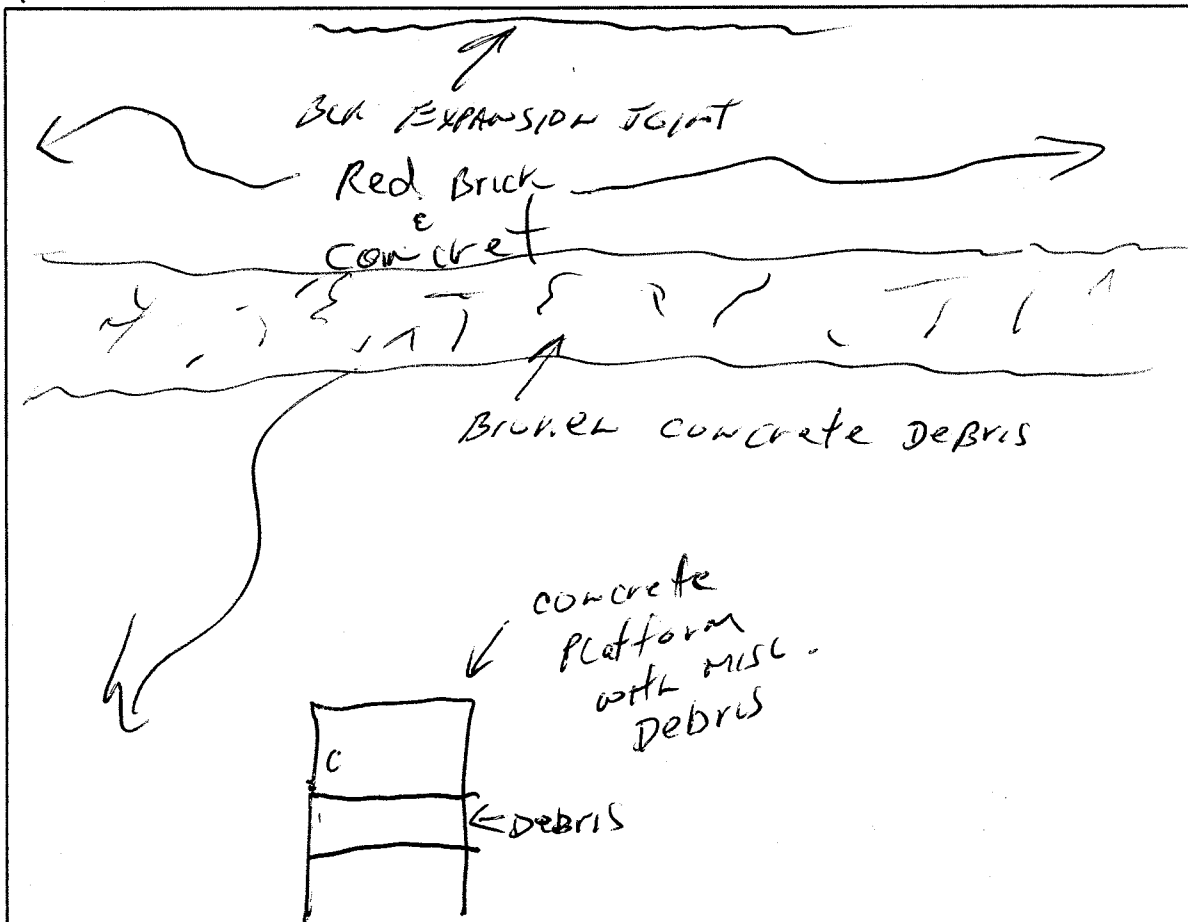
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

600+0

550+0



600+50

Grid Location: LL

Map Coordinates: N

-N

E

-E

550+50

Description:

PACM Identified: MISL. DEBRIS Roofing, asphalt, tar paper, built-up
BLK coating over phenol

Bulk Samples Collected:

Yes

No

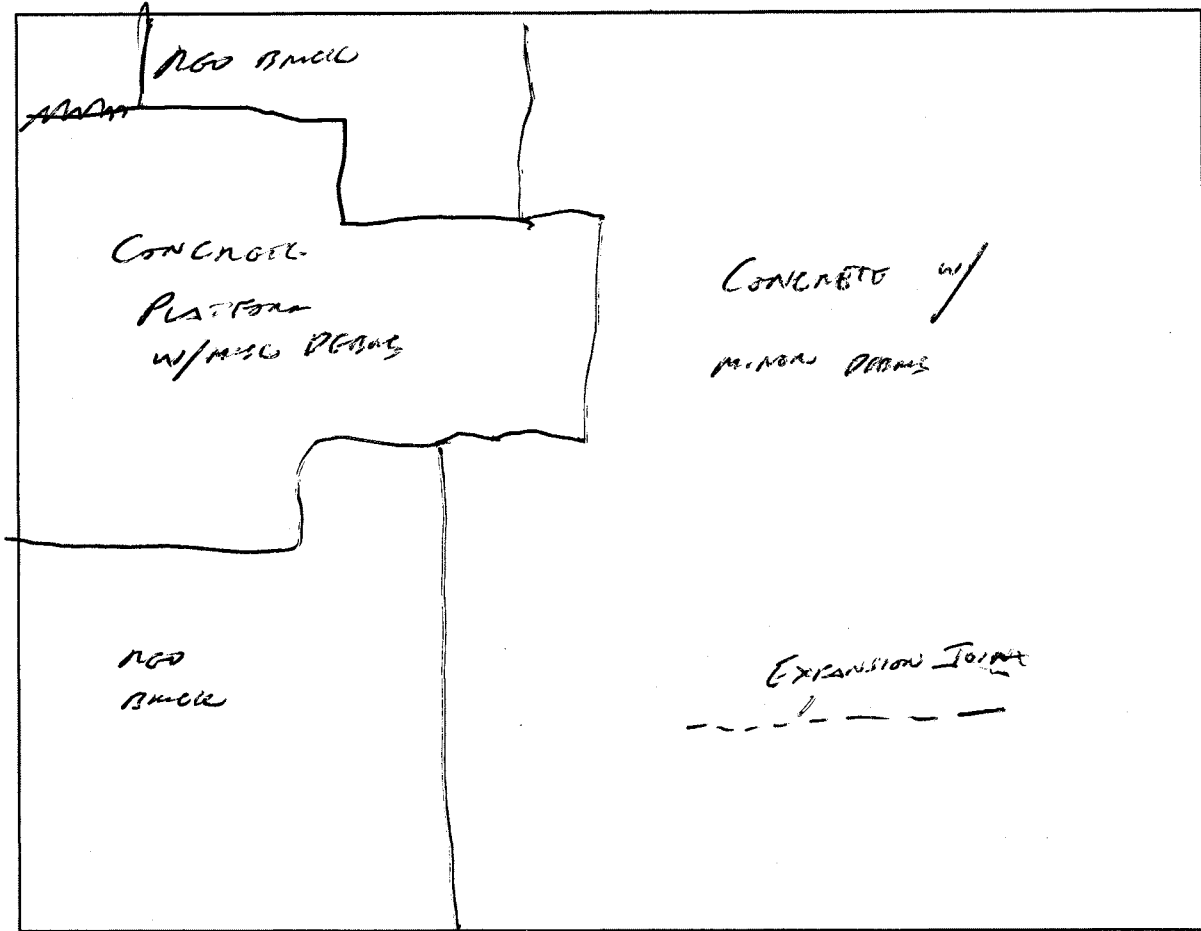
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

600+50

550+50



9/10

600+600

550+100

Grid Location: **L2**

Map Coordinates: N -N E -E

Description:

PACM Identified: **EXPANSION JOINTS, MISC DEBRIS (500 POUNDS)**

Bulk Samples Collected: Yes **No**

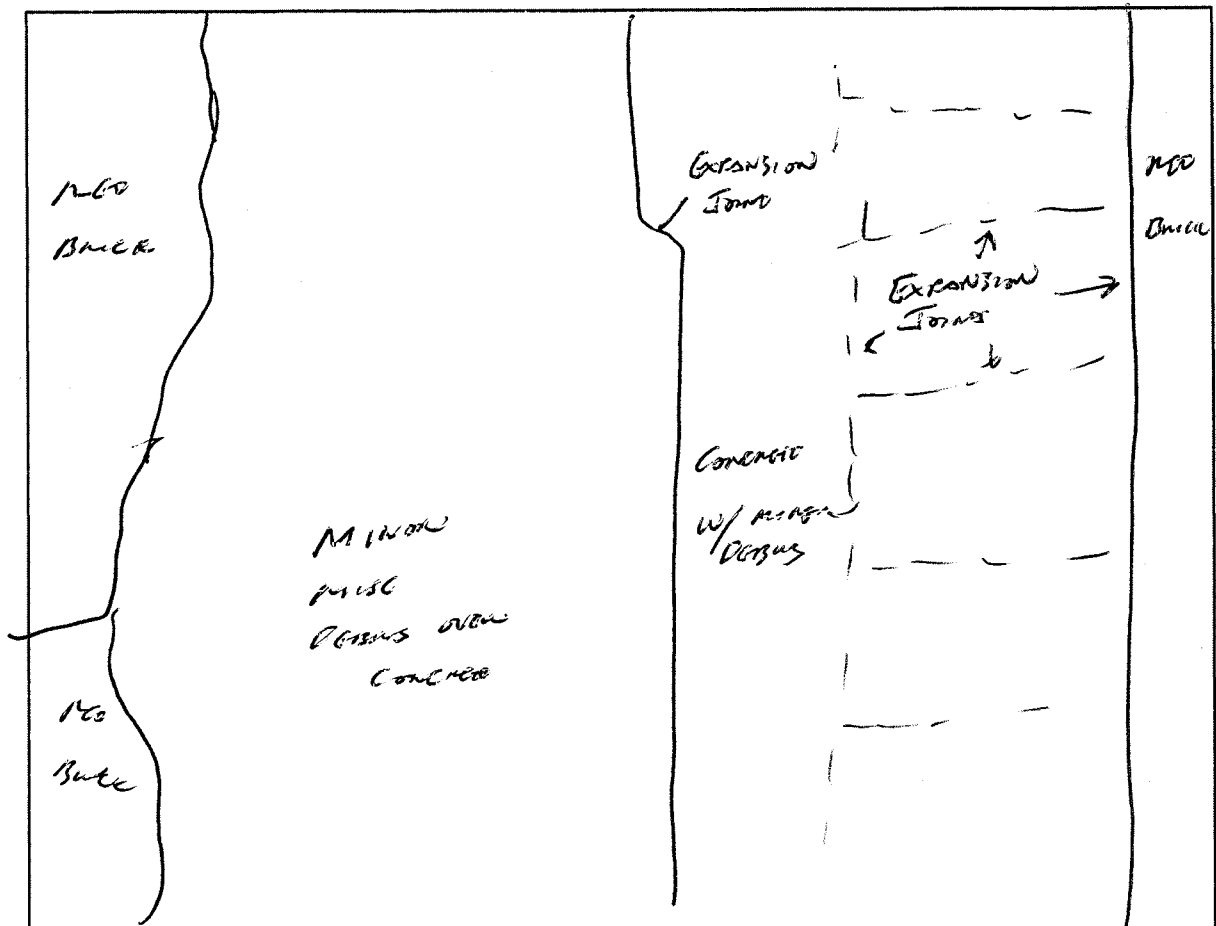
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

600+100

550+100



600+150

550+150

Grid Location: L3

Map Coordinates: N -N E -E

Description:

PACM Identified: EXPANSION JOINTS, MISC DEBRIS (SBS PAVING)

Bulk Samples Collected: Yes No

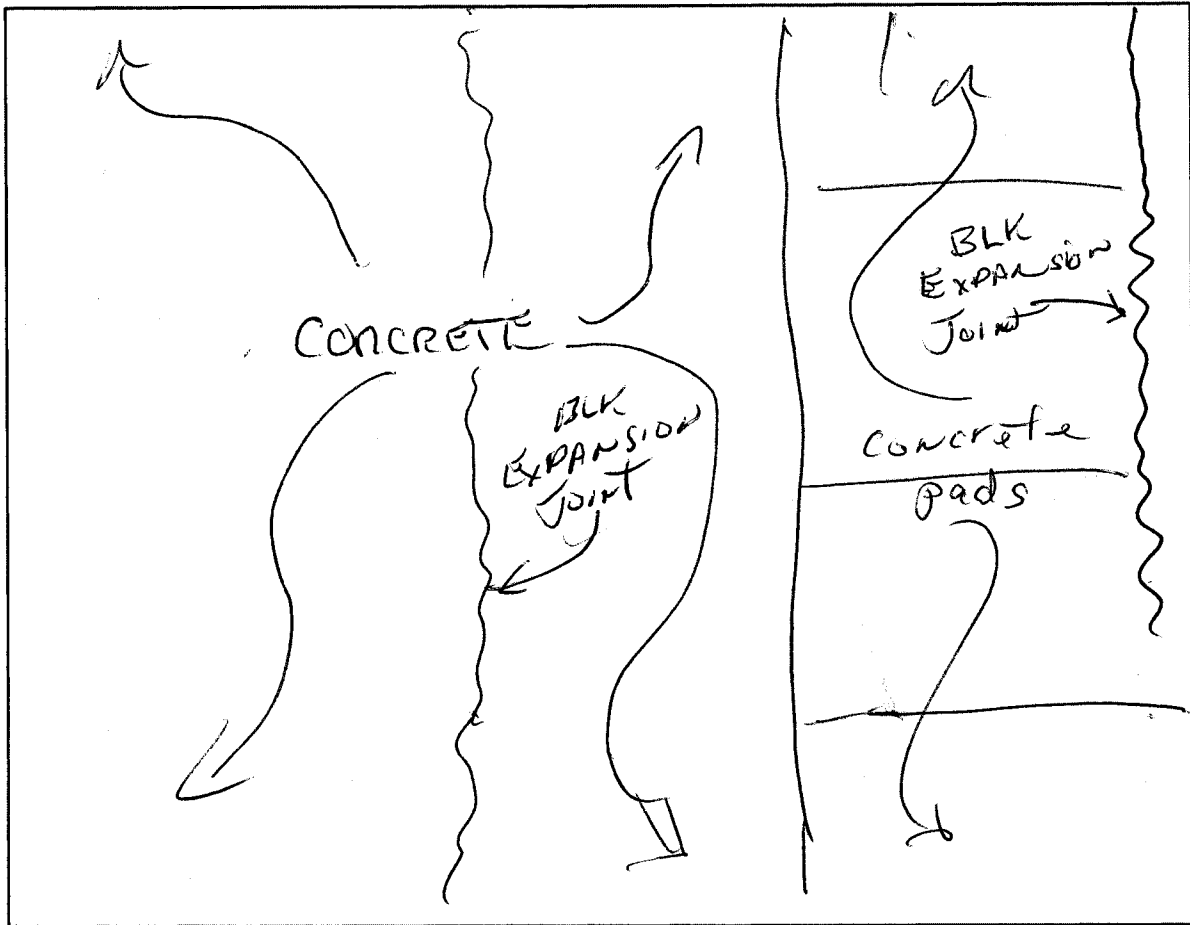
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

600+150

550+150



600+200
Grid Location: L4

Map Coordinates: N

-N

E

550+200
-E

Description:

PACM Identified: MISC. DEBRIS MINOR and BLK EXPANSION JOINTS

Bulk Samples Collected:

Yes

No

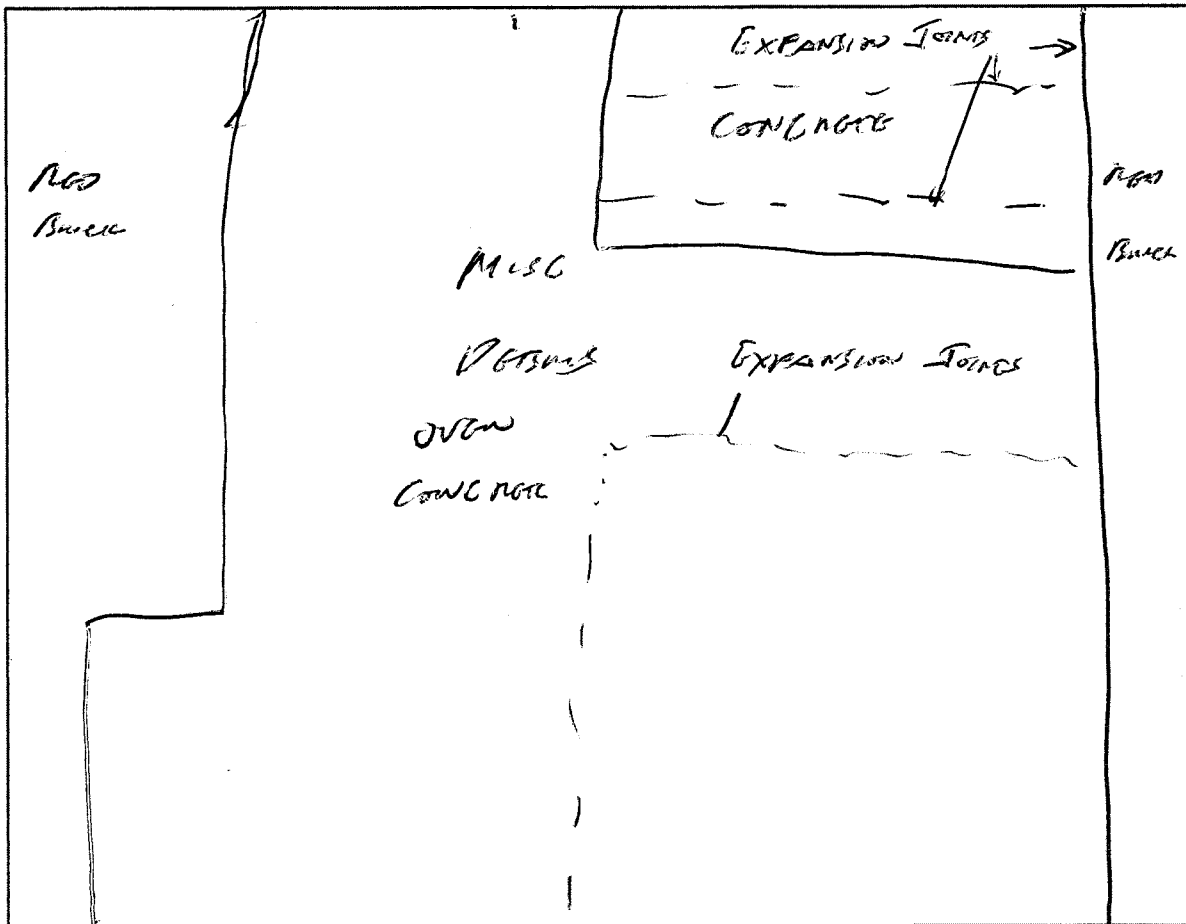
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

600
550+200

550+200



600+250

550+250

Grid Location: 65

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DOORS (SEE RECORDS), EXPANSION JOINTS

Bulk Samples Collected: Yes No

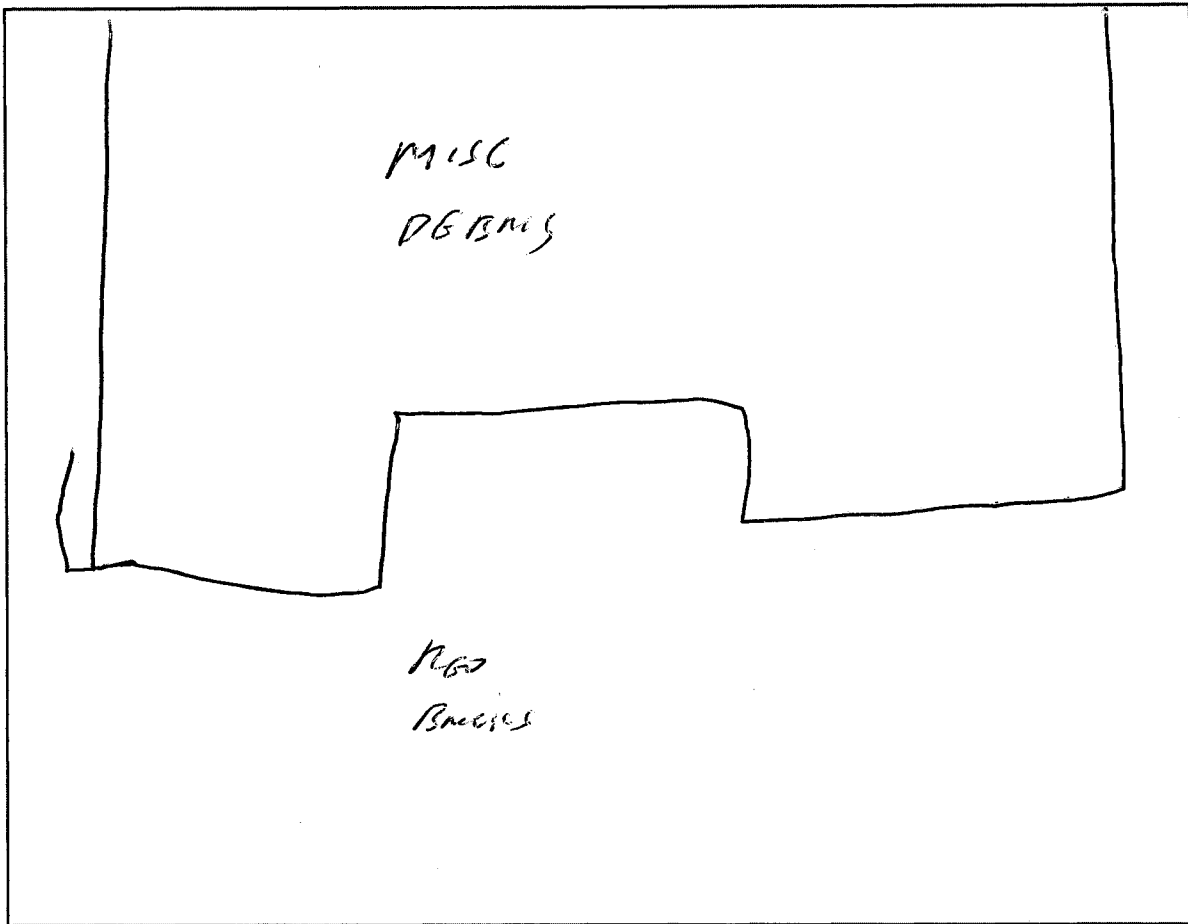
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

600+250

550+250



600+300

550+300

Grid Location: L 6

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected:

Yes

No

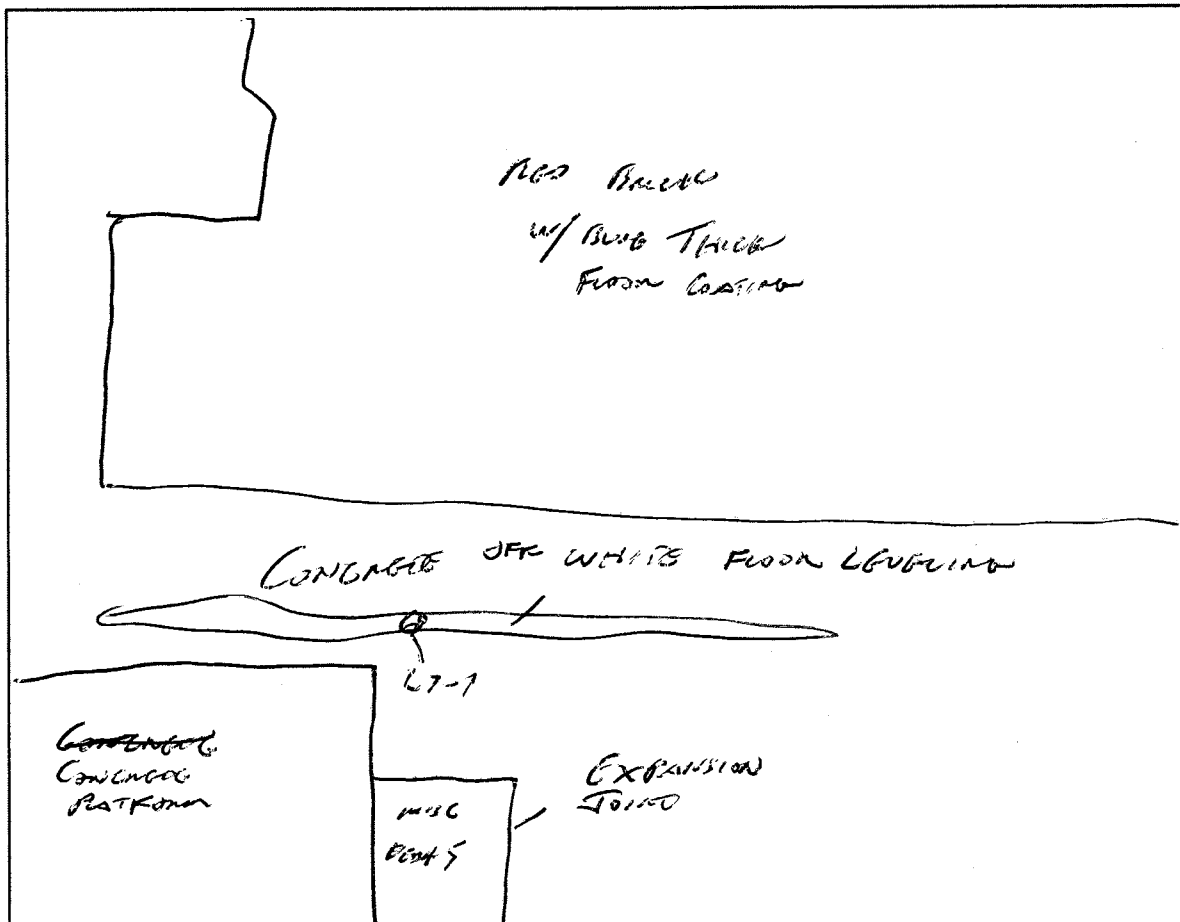
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

600730

550630



600730

5506356

Grid Location: ~~LT~~ LT

Map Coordinates: N -N E -E

Description:

PACM Identified: ~~Blue Thick Floor Coating~~ ^{Coating}, MISC DOORS (SEE PAGES), EXPANSION JOINT, OFF-WHITE FLOOR LEVERING

Bulk Samples Collected: ☒ Yes ☐ No

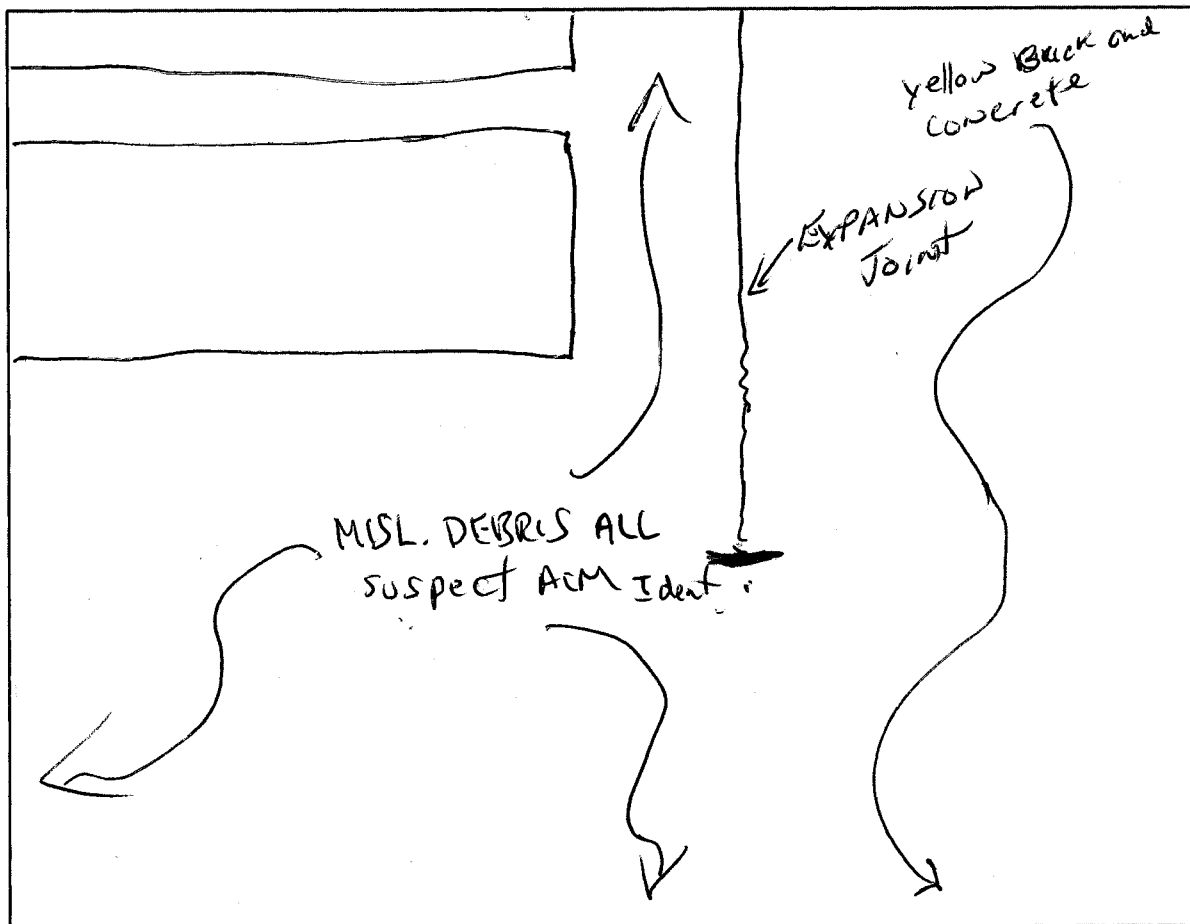
Sample Information:

Sample Number	Date	Time	Description
LT-1	11/6/13	1610	OFF-WHITE Floor ^{Floor} LEVERING

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

600 + 350

550 + 350



600 + 400
Grid Location: L 8

Map Coordinates: N

-N

E

-E

550 + 400

Description:

PACM Identified: MISL. DEBRIS Roofing, Tor paper, Transite, etc. -

Bulk Samples Collected:

Yes

No

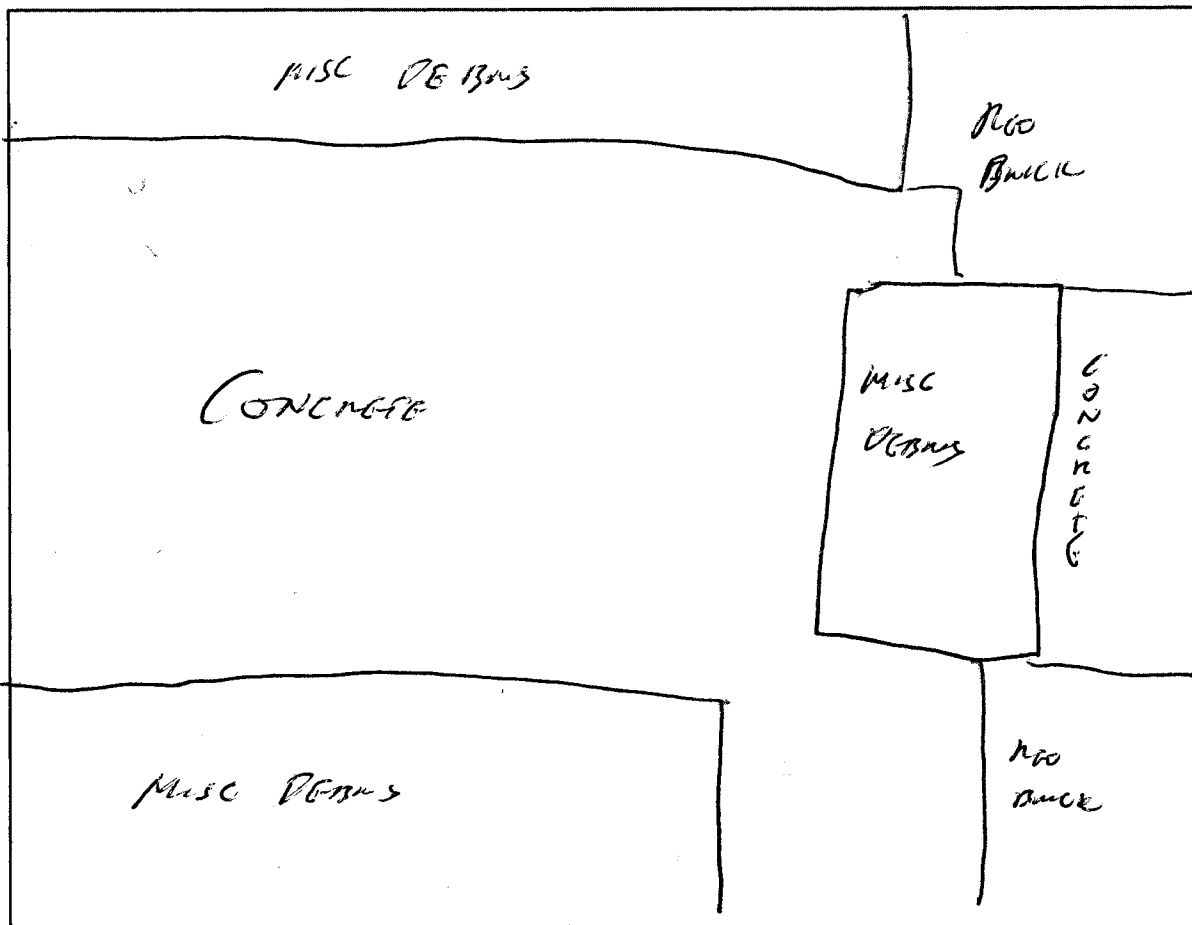
Sample Information:

Sample Number	Date	Time	Description

600+400

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

550
650+400



600+400

Grid Location: L9

Map Coordinates: N -N E -E

550+400

Description:

PACM Identified: MISC DEBRIS (see previous)

Bulk Samples Collected: Yes No

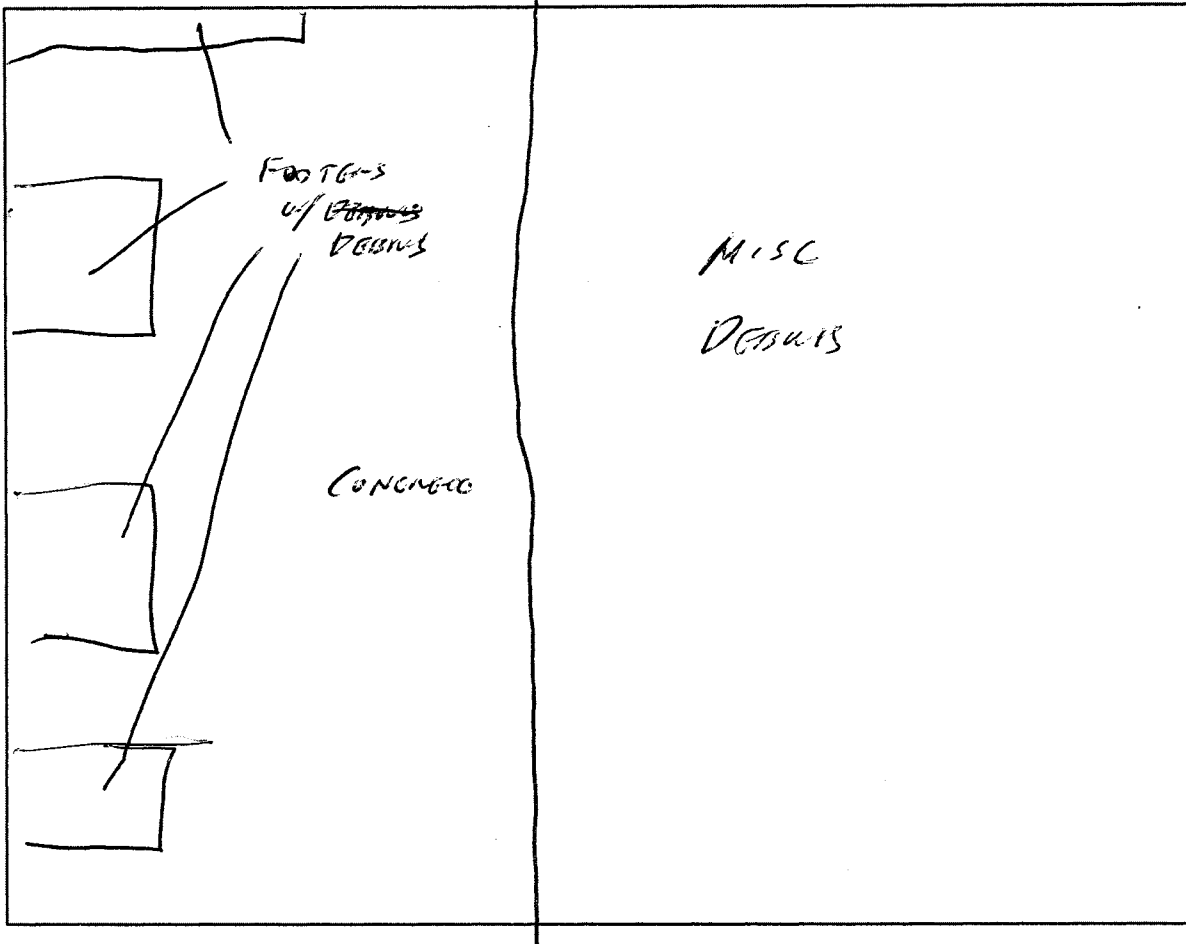
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

600+450

550+450



↑
N

600+500

550+500

Grid Location: C10

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected:

Yes

No

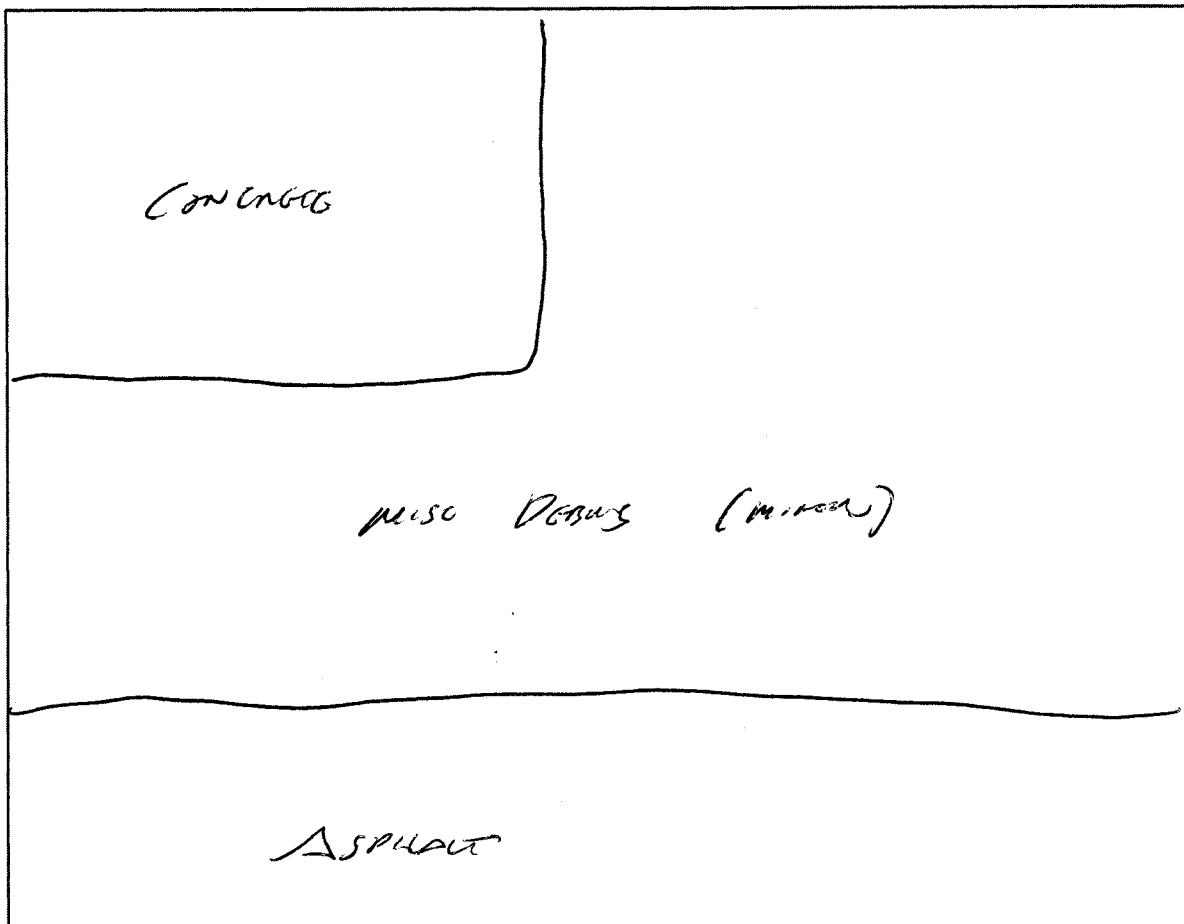
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

600550

5504550



600550

5504550

Grid Location: 2 11

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SGG PREVIOUS)

Bulk Samples Collected: Yes No

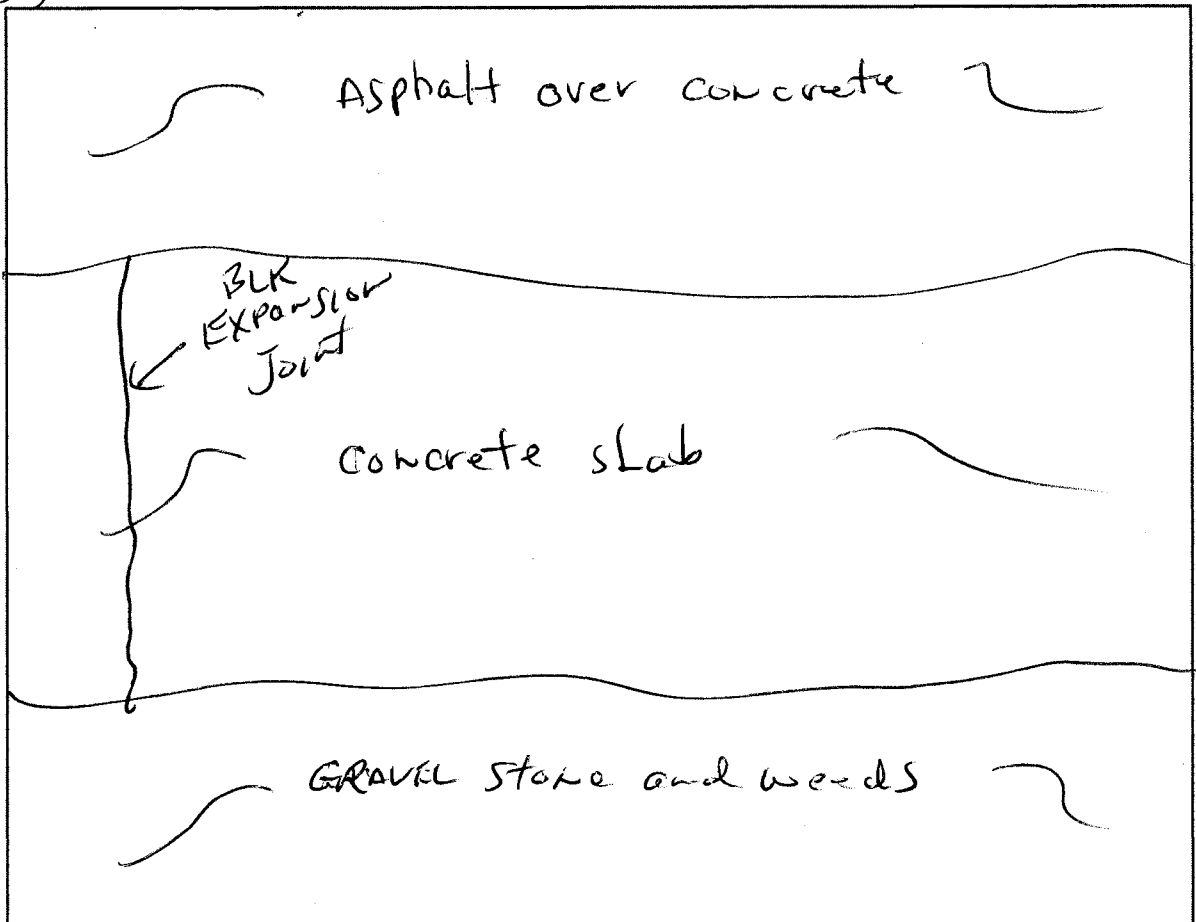
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

600 + 550

550 + 550



600 + 600

Grid Location: L12

Map Coordinates: N

-N

E

-E

600 + 560

Description:

PACM Identified: ~~no suspect Area~~ BLK EXPANSION JOINT

Bulk Samples Collected:

Yes

No

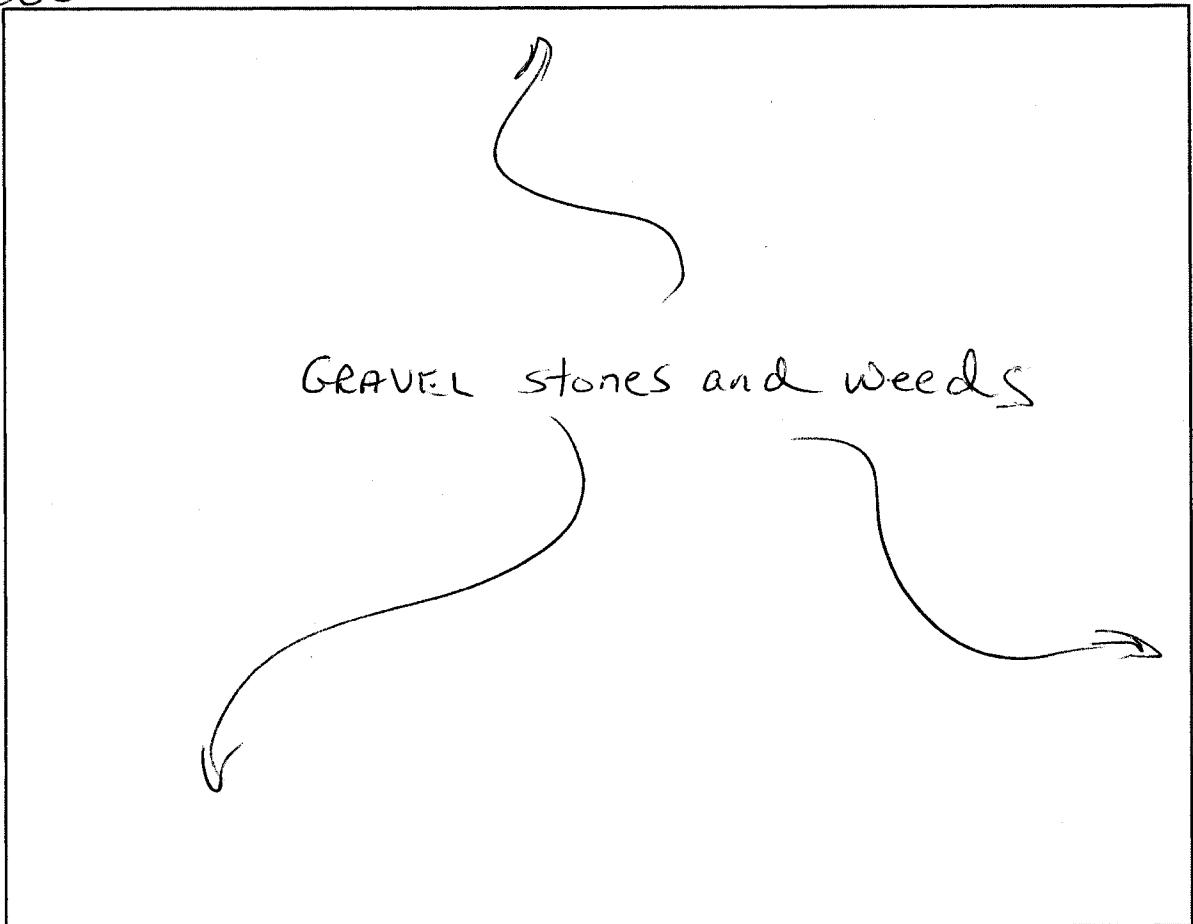
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

600+600

550+600



600+640

Grid Location: LB

Map Coordinates: N

-N

E

-E

550+640

Description:

PACM Identified: NO suspect ACM

Bulk Samples Collected:

Yes

No

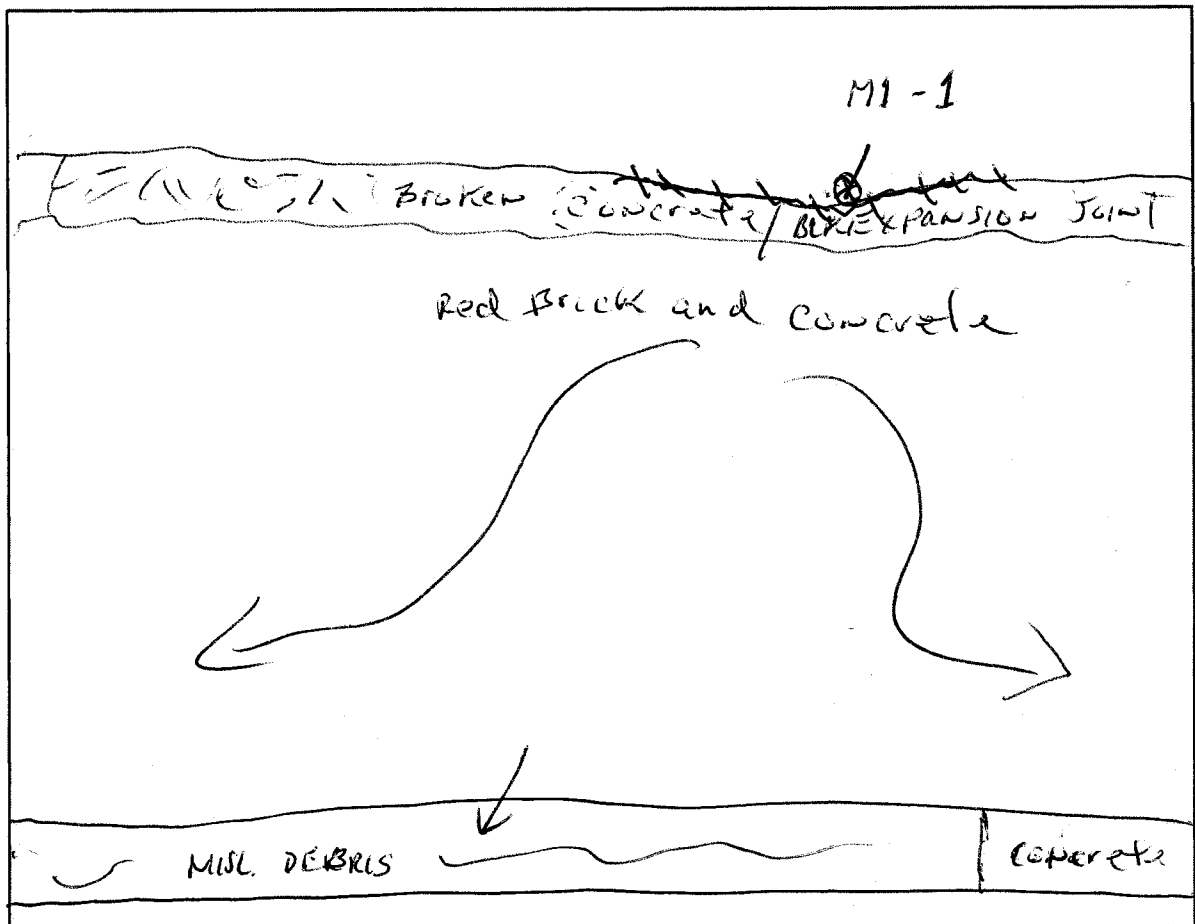
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

650+0

600+0



650+50

Grid Location: M1

Map Coordinates: N

-N

E

-E

600+50

Description:

PACM Identified:

Bulk Samples Collected:

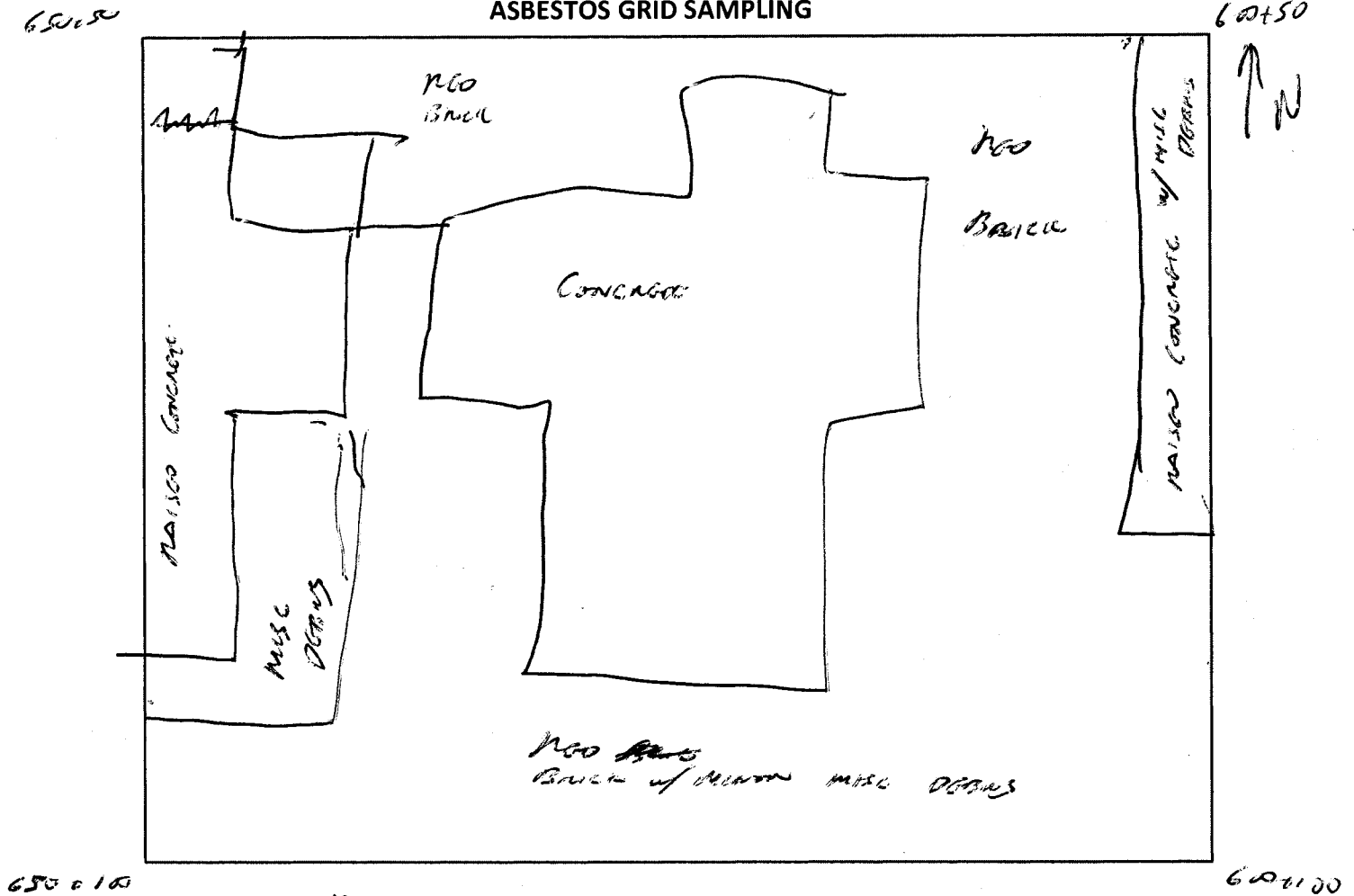
Yes

No

Sample Information:

Sample Number	Date	Time	Description
M1-1	11/7/13		BLK EXPANSION JOINT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: 142

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (SEE DRAWING)

Bulk Samples Collected:

Yes

No

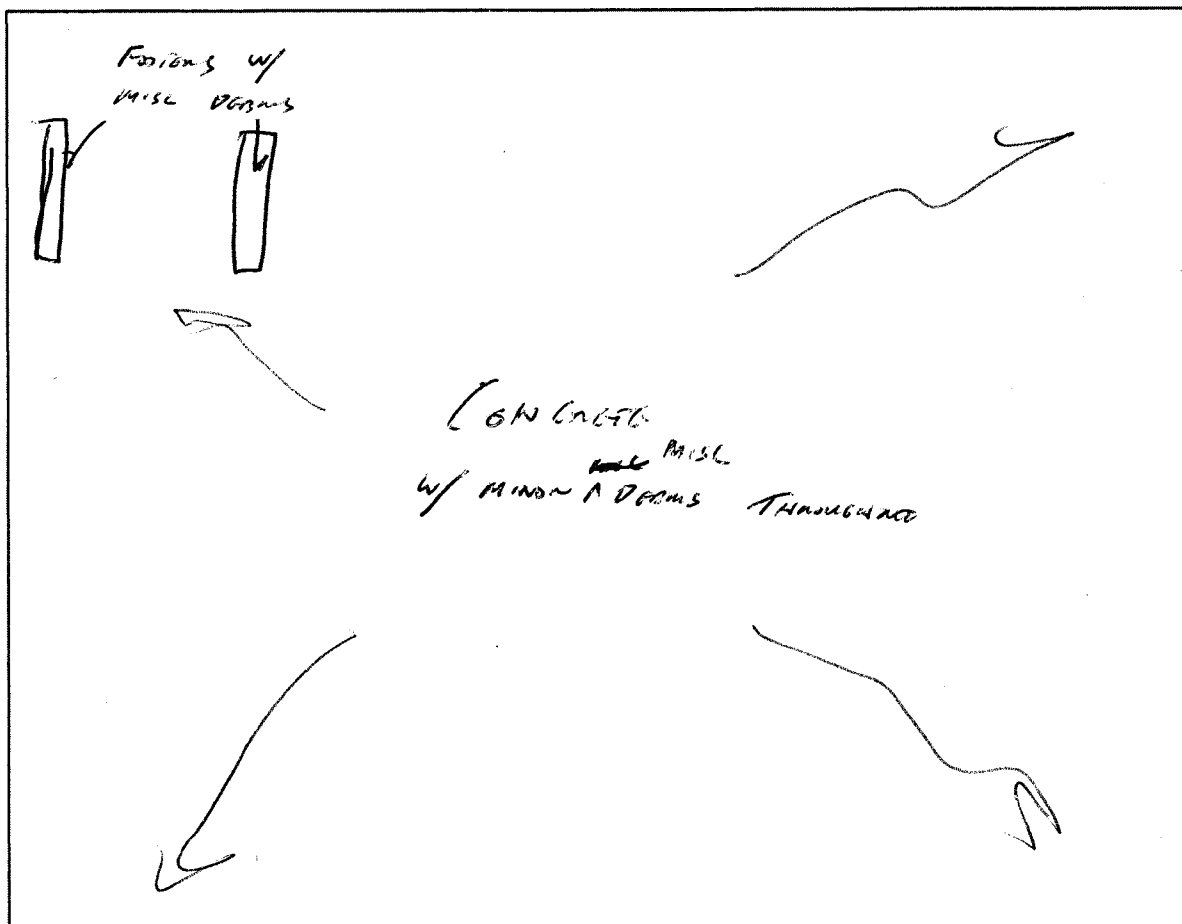
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

650+100

600+100



650+150

600+150

Grid Location: M3

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected: Yes No

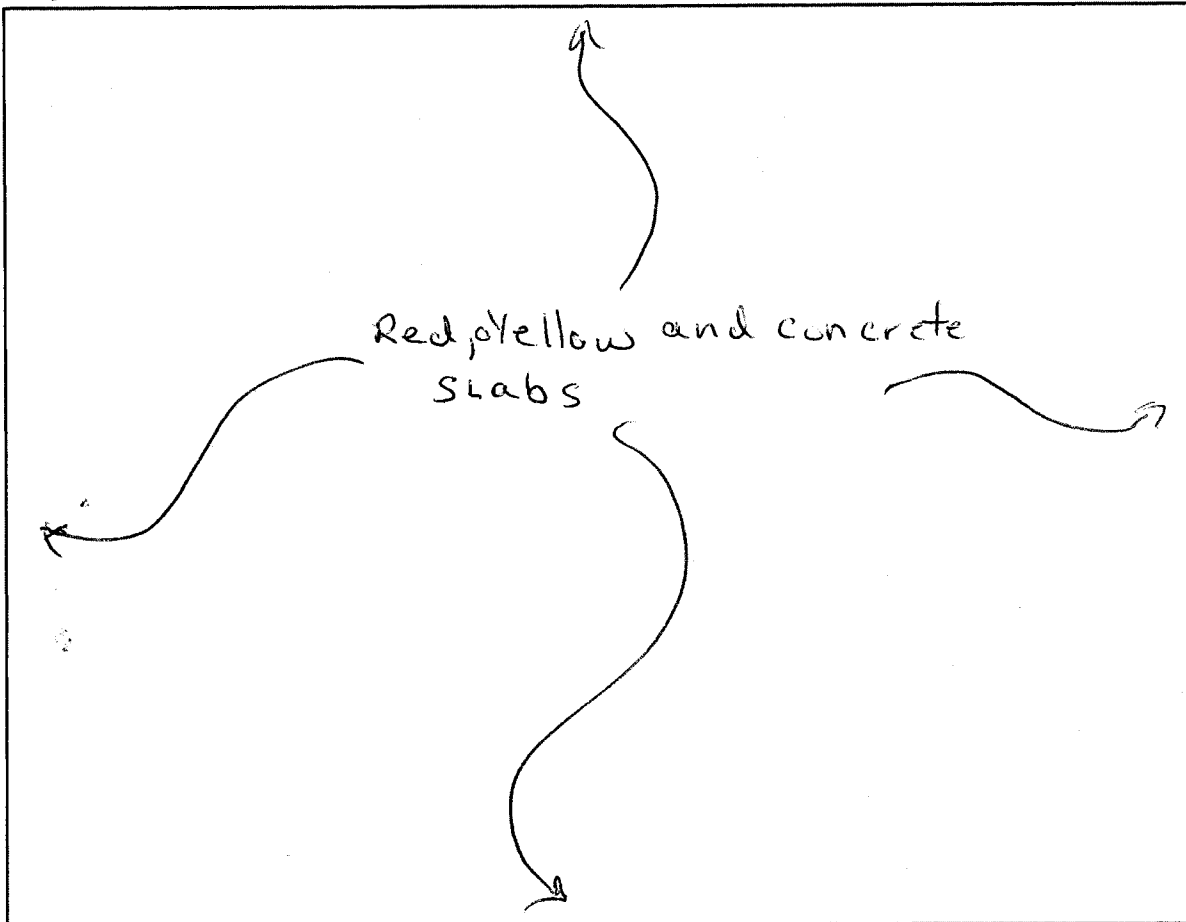
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

650+150

600+150



650+200

600+200

Grid Location: M4

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: NO suspect ACM

Bulk Samples Collected:

Yes

No

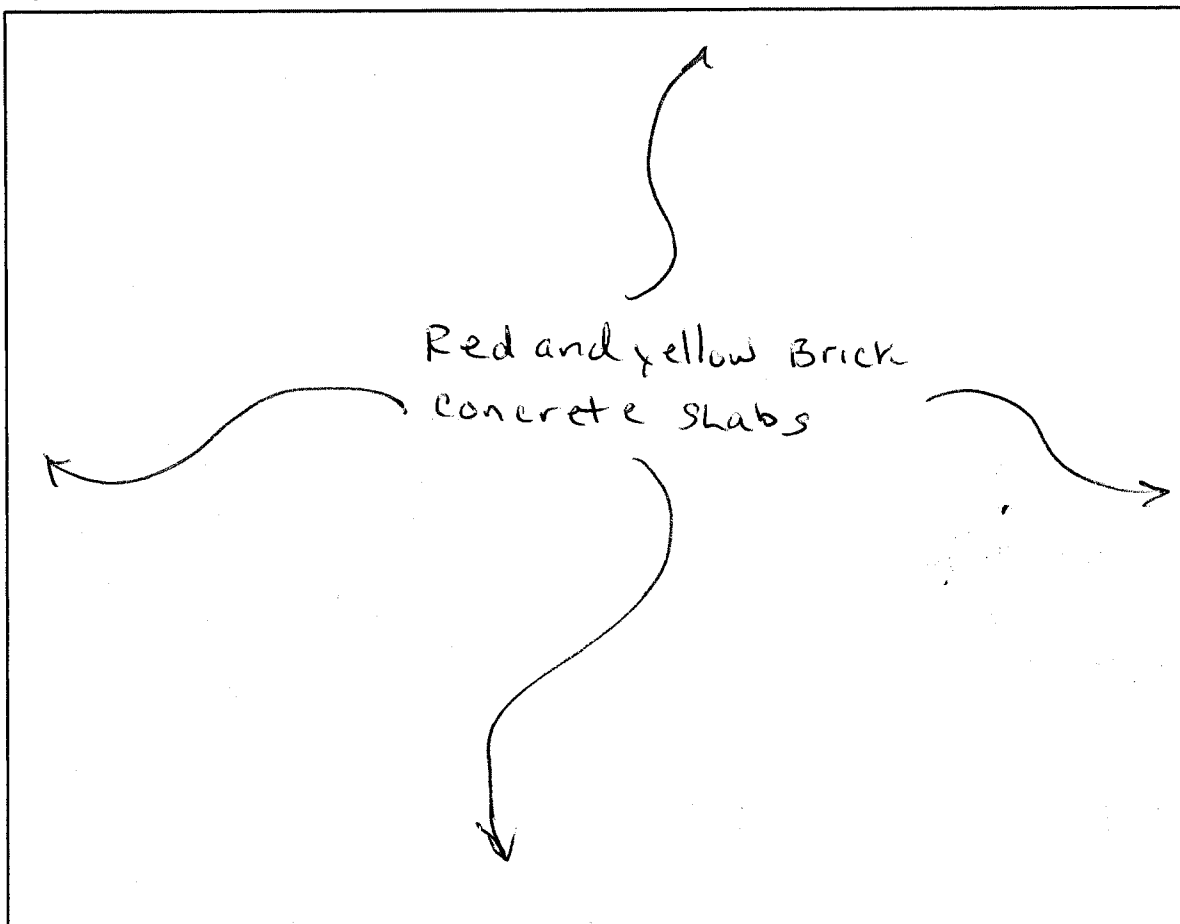
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

650 + 450

600 + 450



650 + 500

Grid Location: M 5

Map Coordinates: N

-N

E

-E

600 + 500

Description:

PACM Identified: No suspect ACM

Bulk Samples Collected:

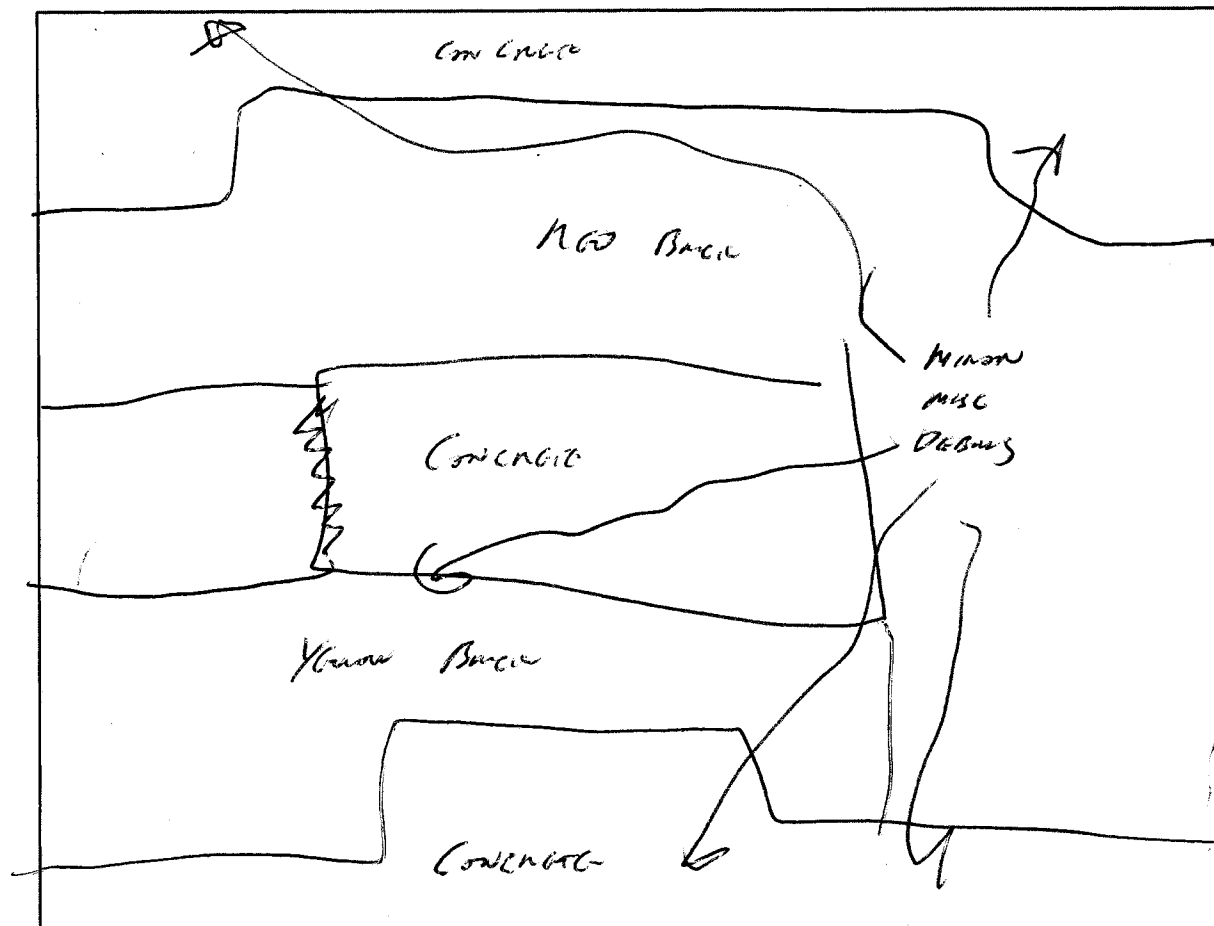
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: M6

Map Coordinates: N -N E -E

Description:

PACM Identified: MASONRY MISC DEBRIS (SEE PHOTOS)

Bulk Samples Collected: Yes No

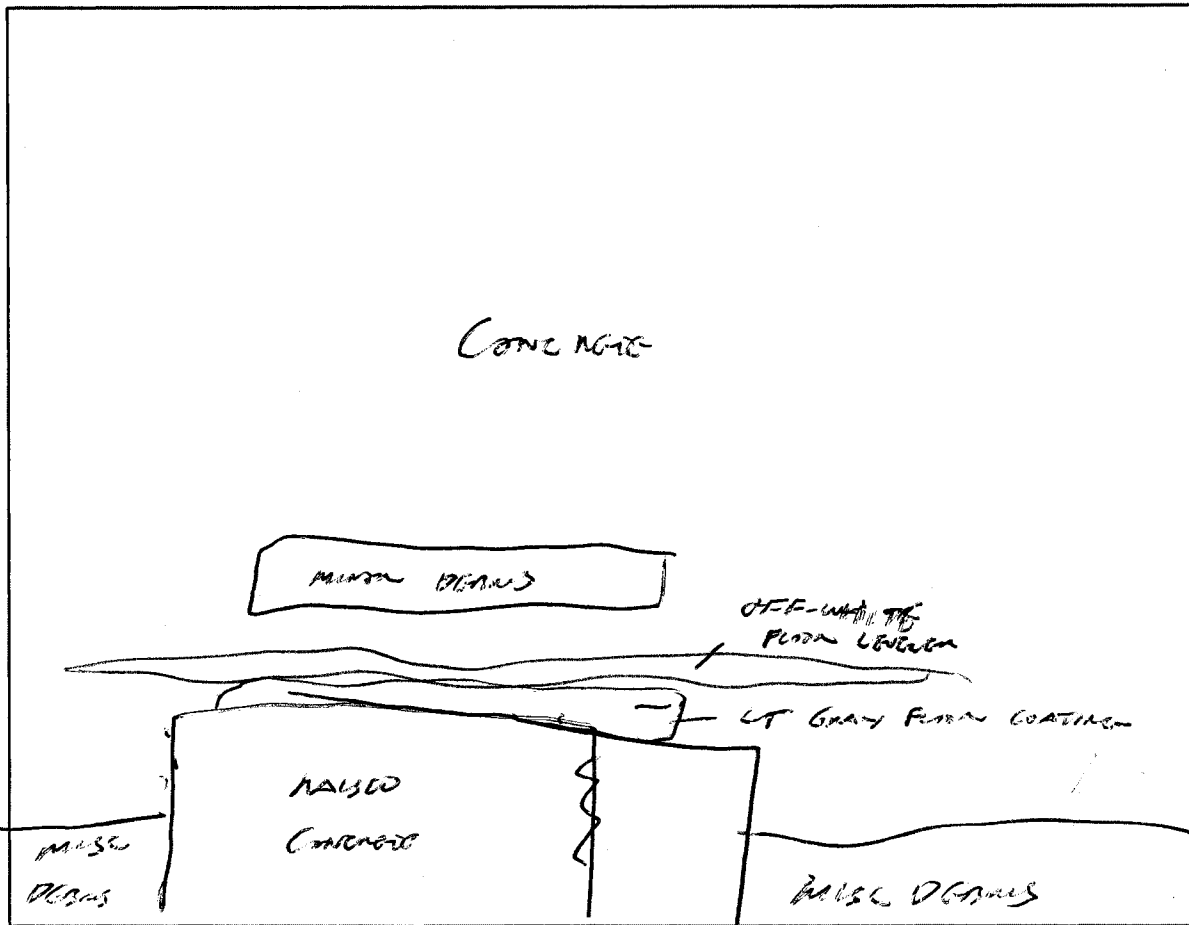
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

650+300

600+300



650+300

600+300

Grid Location: M7

Map Coordinates: N -N E -E

Description:

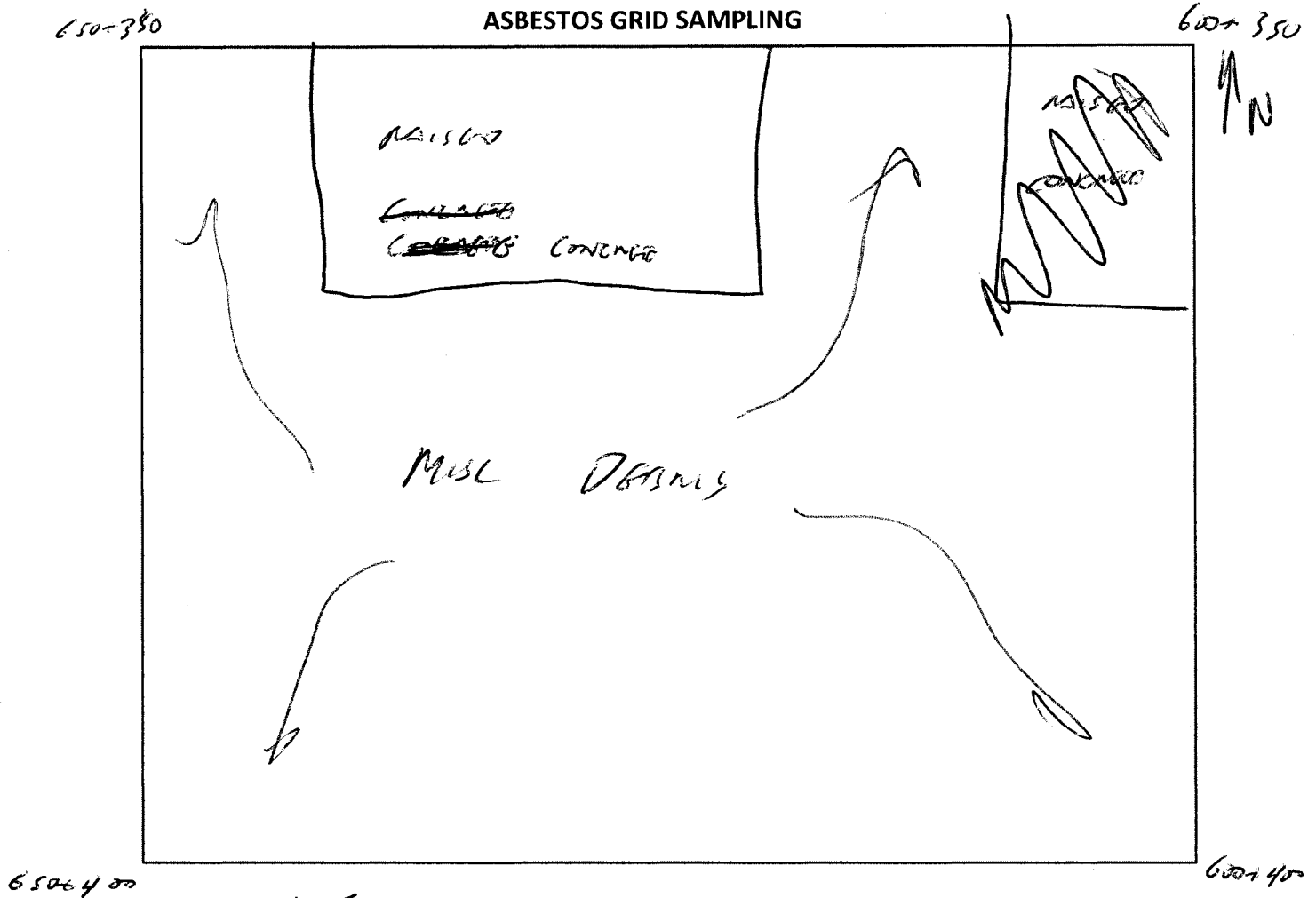
PACM Identified: OFF-WHITE PLASTER CONCRETE, MISC DEBRIS (SEE PREVIOUS)
LT GRAY FLOOR COATING

Bulk Samples Collected: Yes ☒ No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: M8

Map Coordinates: N -N E -E

Description:

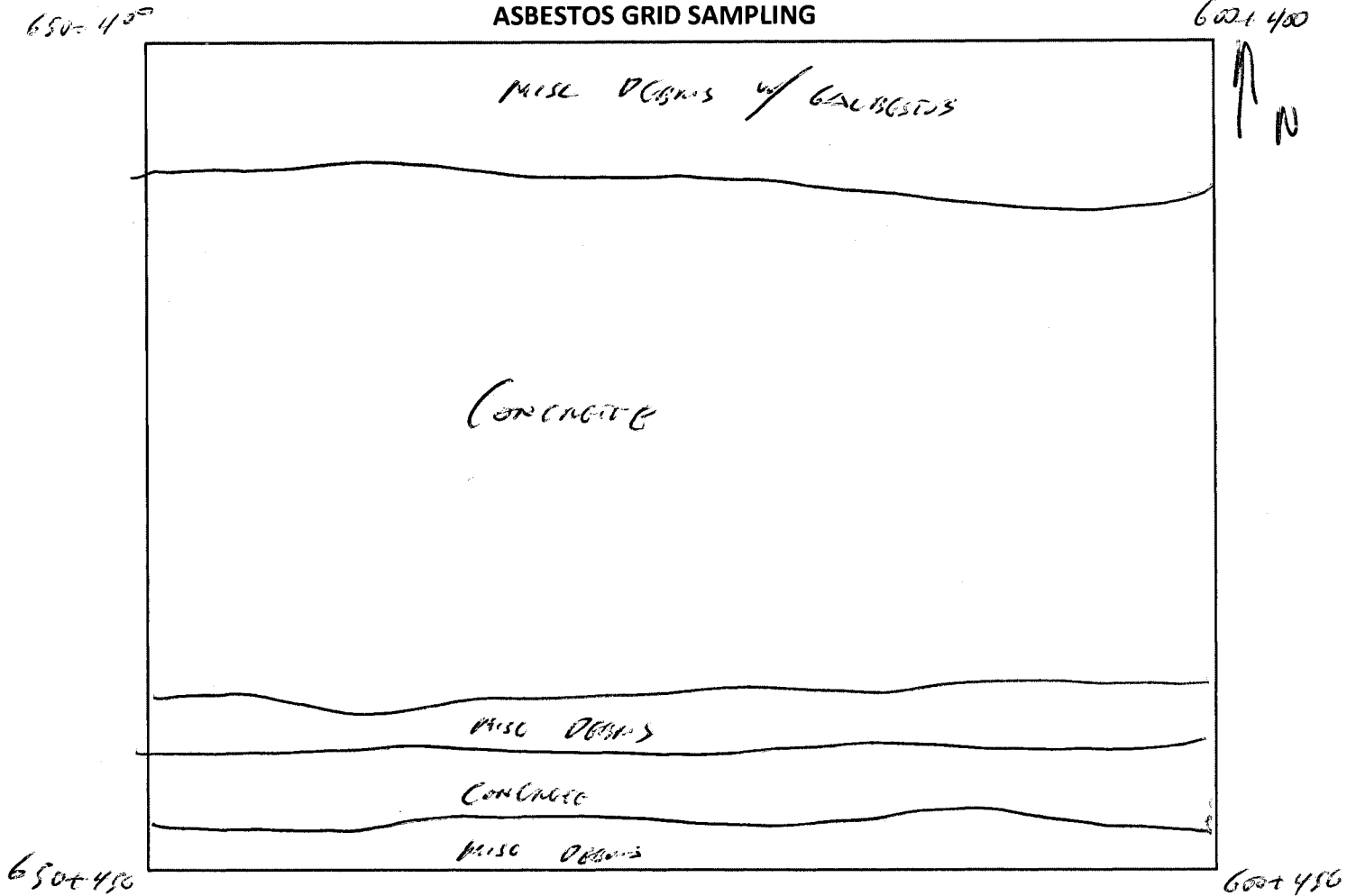
PACM Identified: MISC DEBRIS (500 PACMIS)

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: M 9

Map Coordinates: N -N E -E

Description:

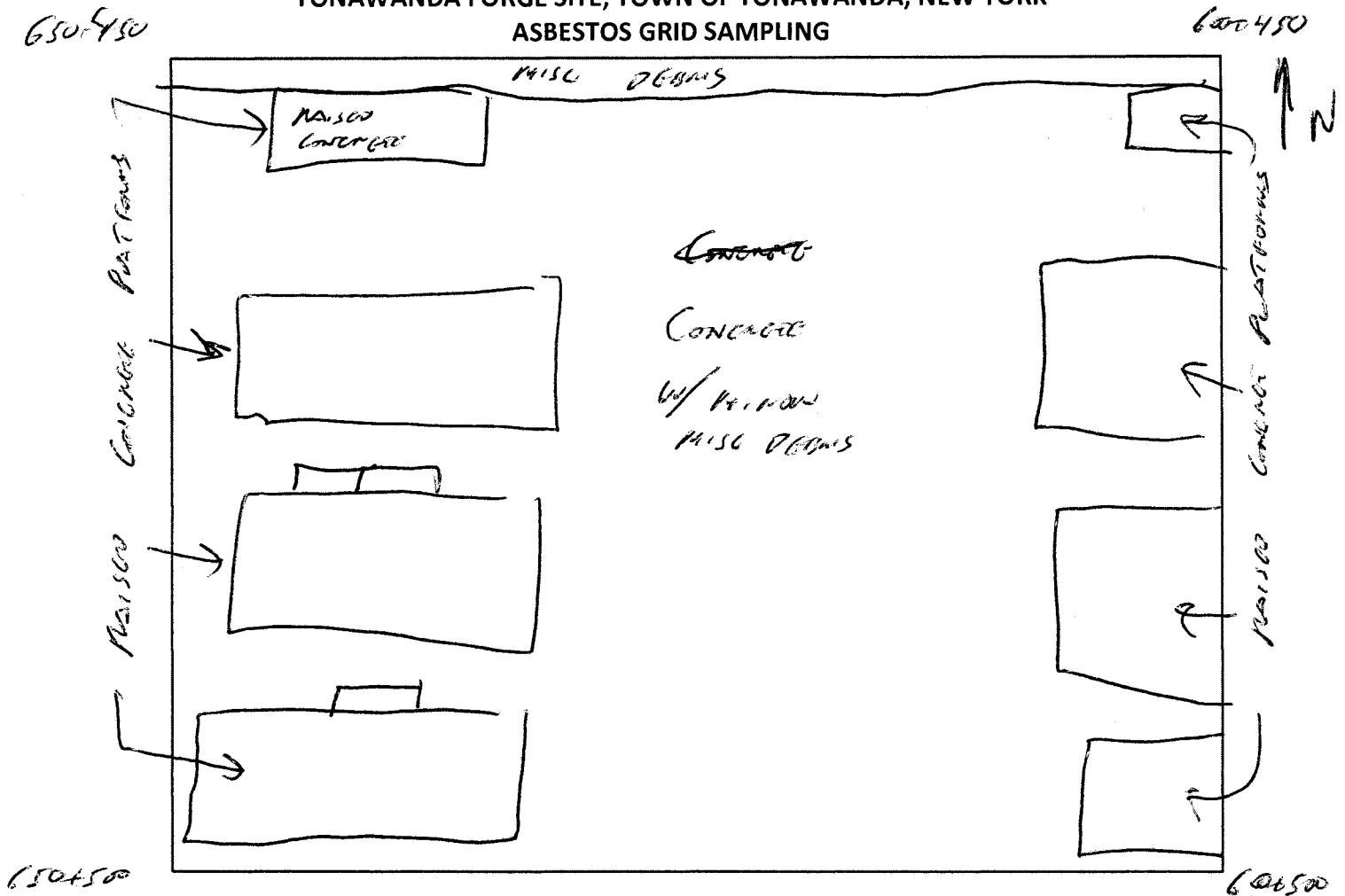
PACM Identified: G20365503

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: *M10*

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: *Misc Debris (see previous)*

Bulk Samples Collected:

Yes

No

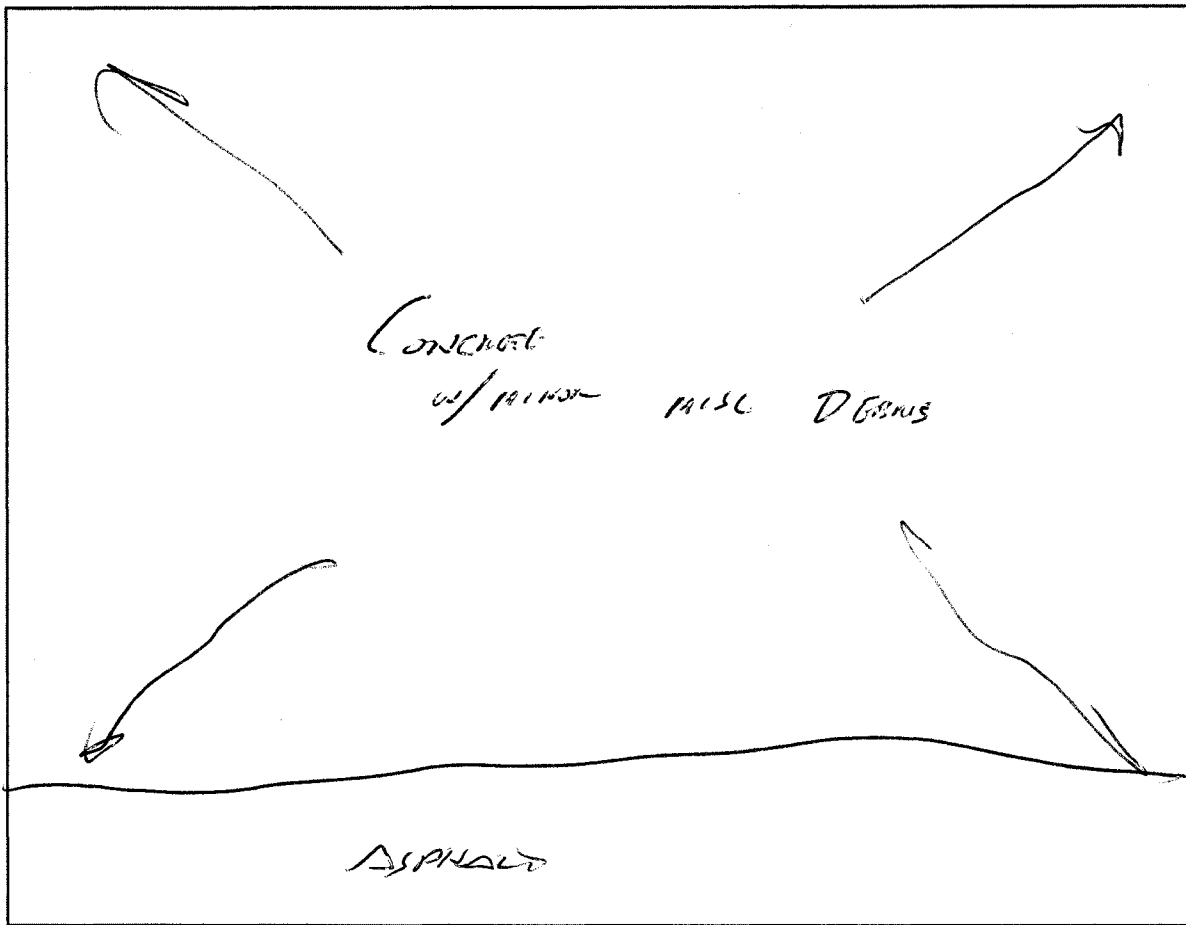
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

650+50

60+50



650+50

60+50

Grid Location: M 11

Map Coordinates: N -N E -E

Description:

PACM Identified: MINOR MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected:

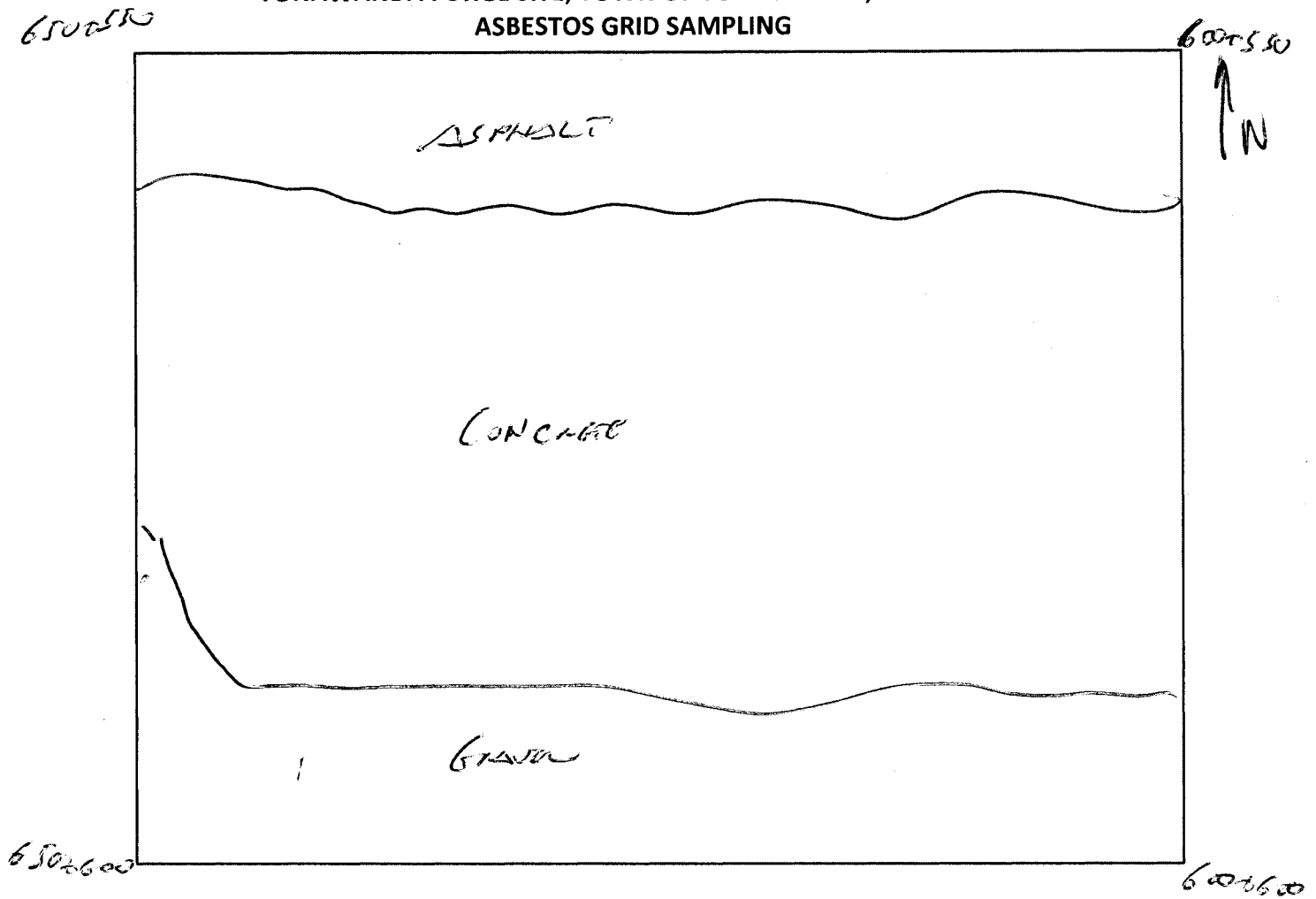
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: M12

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

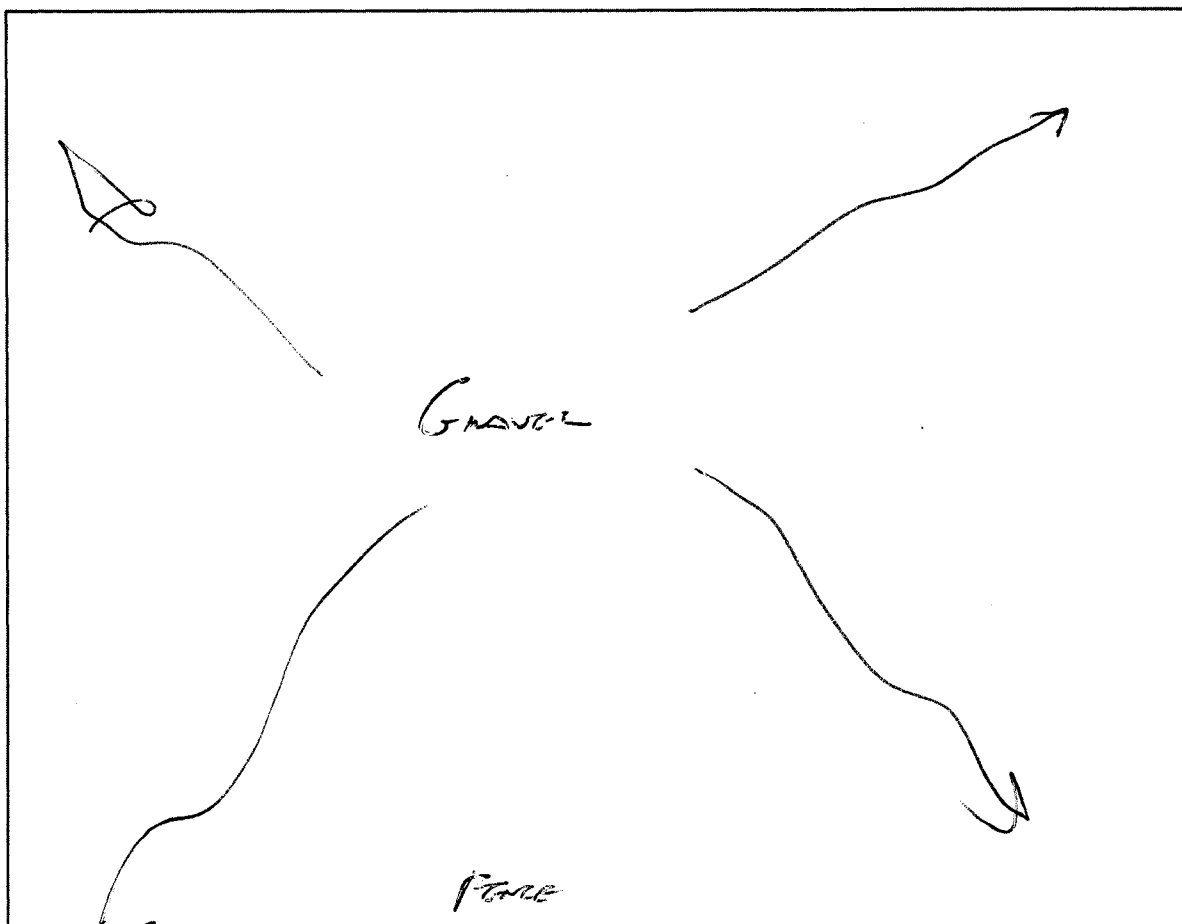
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

6501600

6501600



Grid Location: M13

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

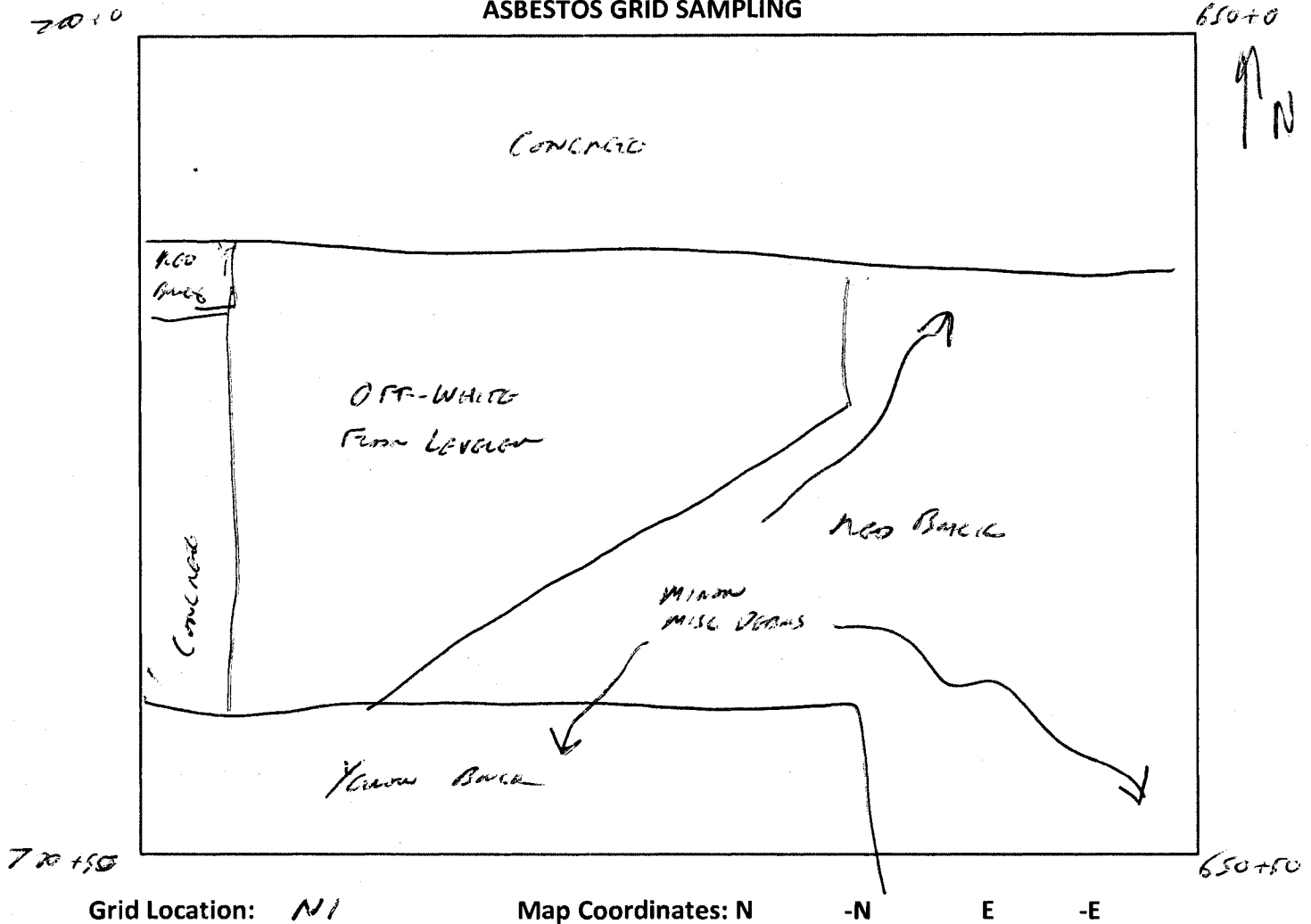
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Description:

PACM Identified: OFF-WHITE FURN LINGER, MINOR MISC DEBRIS (SEE ANALYSIS)

Bulk Samples Collected:

NO (No)

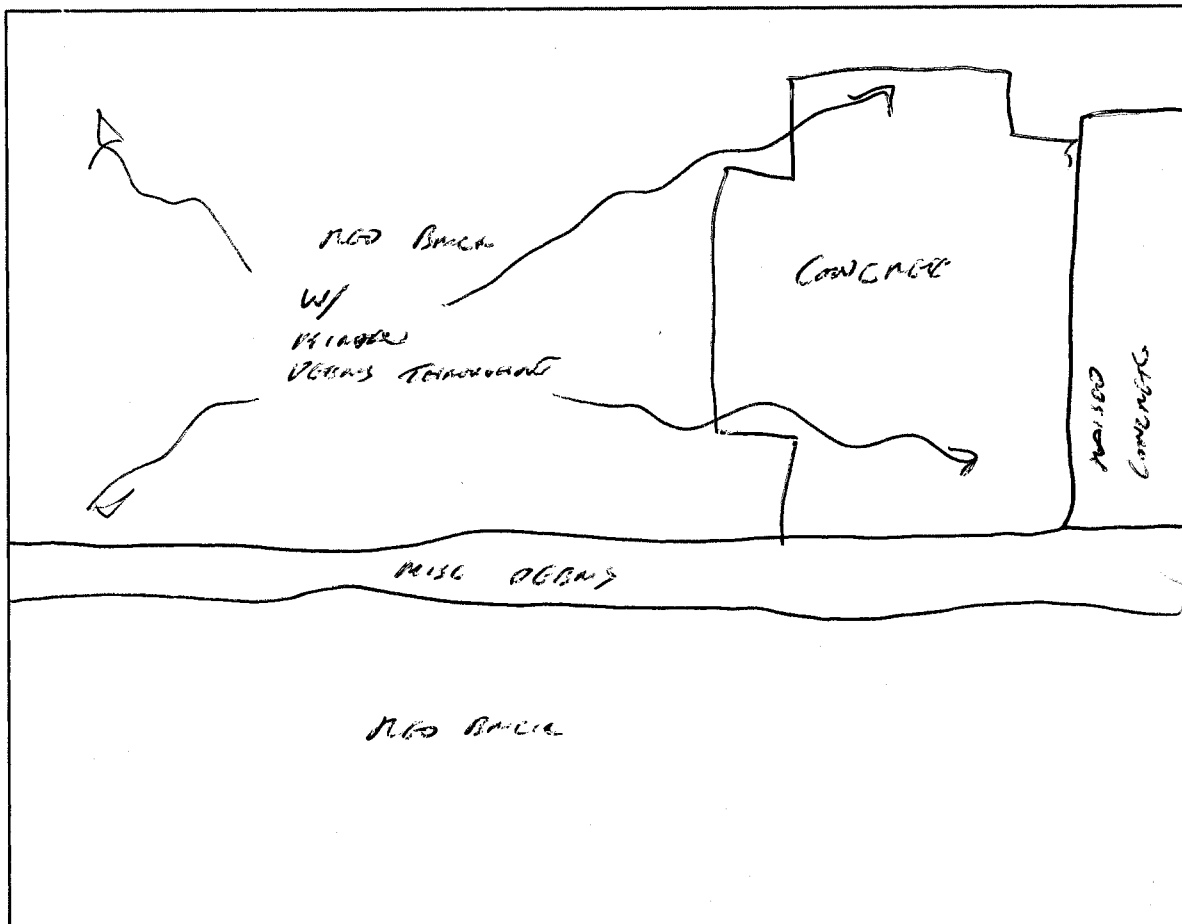
Sample Information:

Sample Number	Date	Time	Description
N1	4/1/13	10:20	OFF-WHITE FURN LINGER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

70-50

650+50



700+100

650+100

Grid Location: *N2*

Map Coordinates: N -N E -E

Description:

PACM Identified: *MISC DEBRIS (SEE PREVIOUS)*

Bulk Samples Collected: Yes *(N6)*

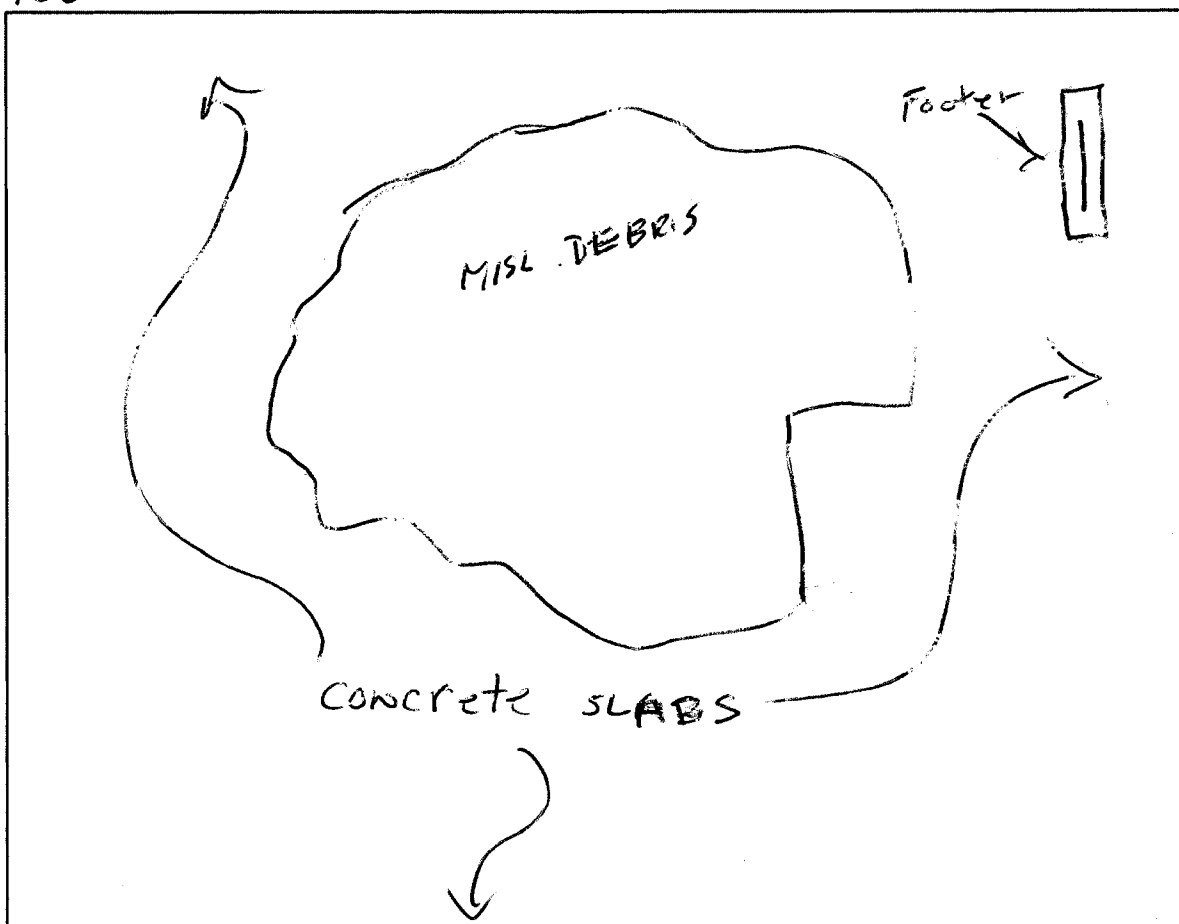
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

700+100

650+100



700+150

Grid Location: N3

Map Coordinates: N

-N

E

-E

650+150

Description:

PACM Identified: MINOR MISL. DEBRIS Roofing, Tar paper

Bulk Samples Collected: Yes No

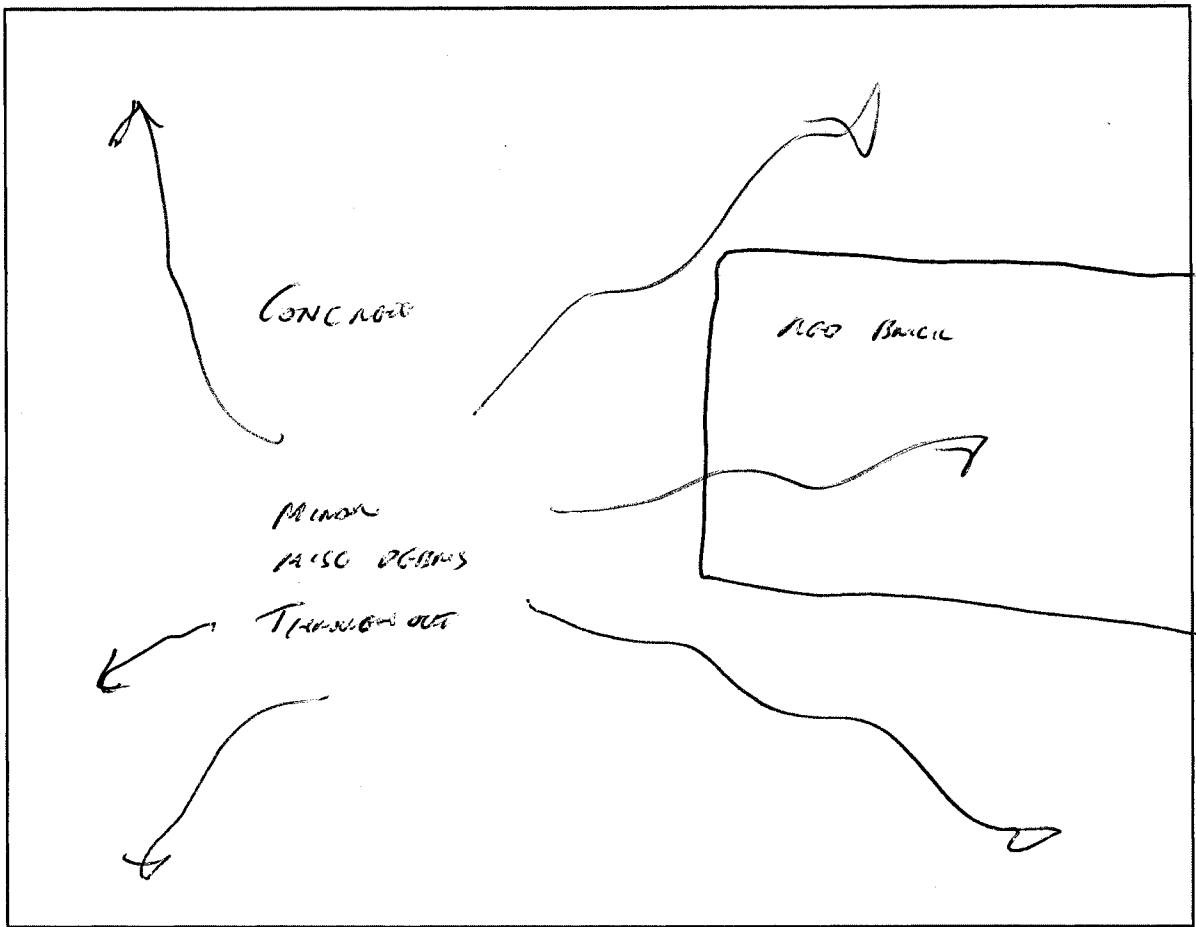
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

700+150

650+150



700+200

650+200

Grid Location: N4

Map Coordinates: N -N E -E

Description:

PACM Identified: MINOR MISC DEBRIS (SEE PHOTOS)

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

700+200

650+200



700+250

Grid Location: N5

Map Coordinates: N

-N

E

-E

650+250

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

Sample Information:

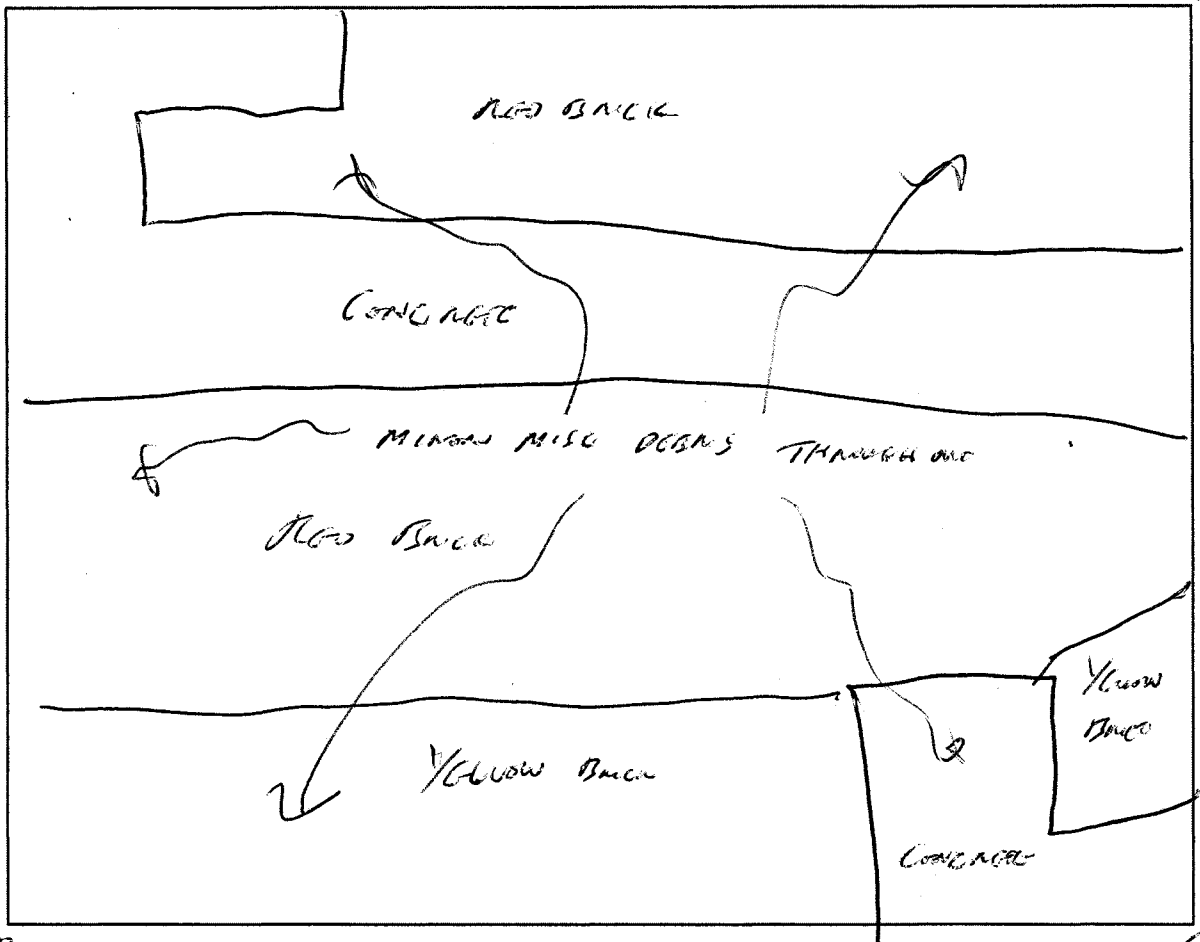
Sample Number	Date	Time	Description

10/10
V. 1200

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

7001250

6501250



7001250

6501250

Grid Location: N 6

Map Coordinates: N -N E -E

Description:

PACM Identified: MINOR MISC DEBRIS (SEE ATTACHMENT)

Bulk Samples Collected: Yes ☒ No

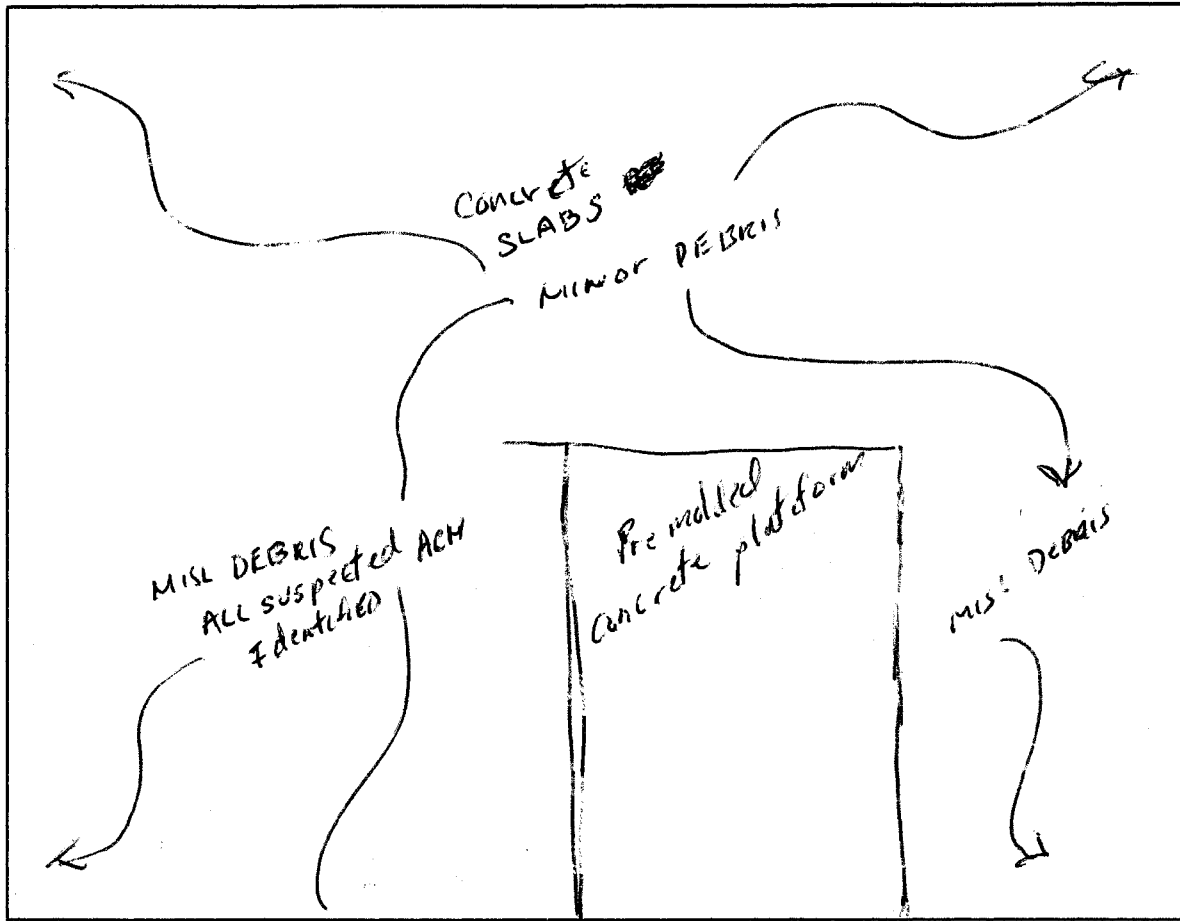
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

700 + 300

650 + 300



700 + 350

650 + 350

Grid Location: N 7

Map Coordinates: N -N E -E

Description:

PACM Identified: Built-up, Flashing, tar paper, off white flooring leveling
 FT, coating over foam etc.

Bulk Samples Collected: Yes No

Sample Information:

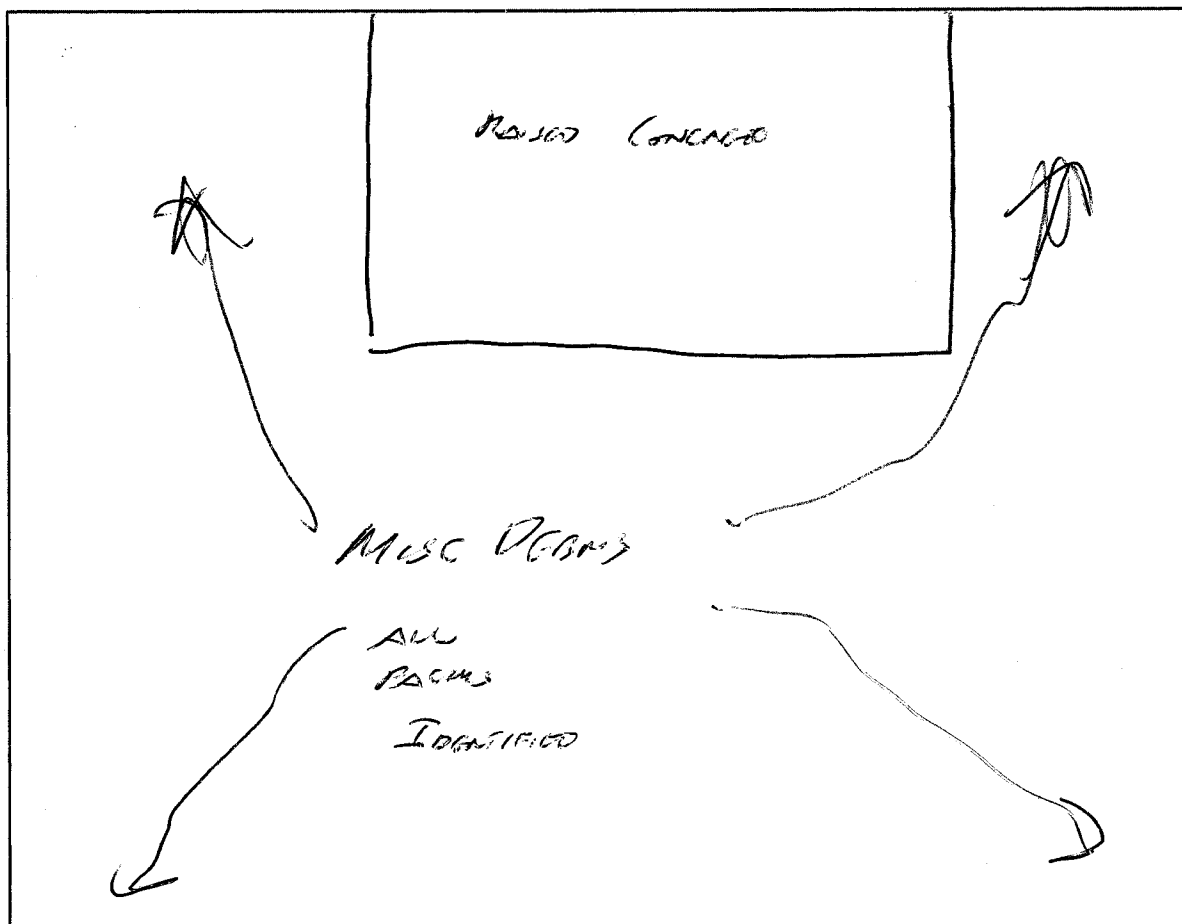
Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

700+350

20

650+350



700+400

Grid Location: N8

Map Coordinates: N -N E -E

650+400

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS), ~~ALL~~ ALL PACMS IDENTIFIED

Bulk Samples Collected: Yes No

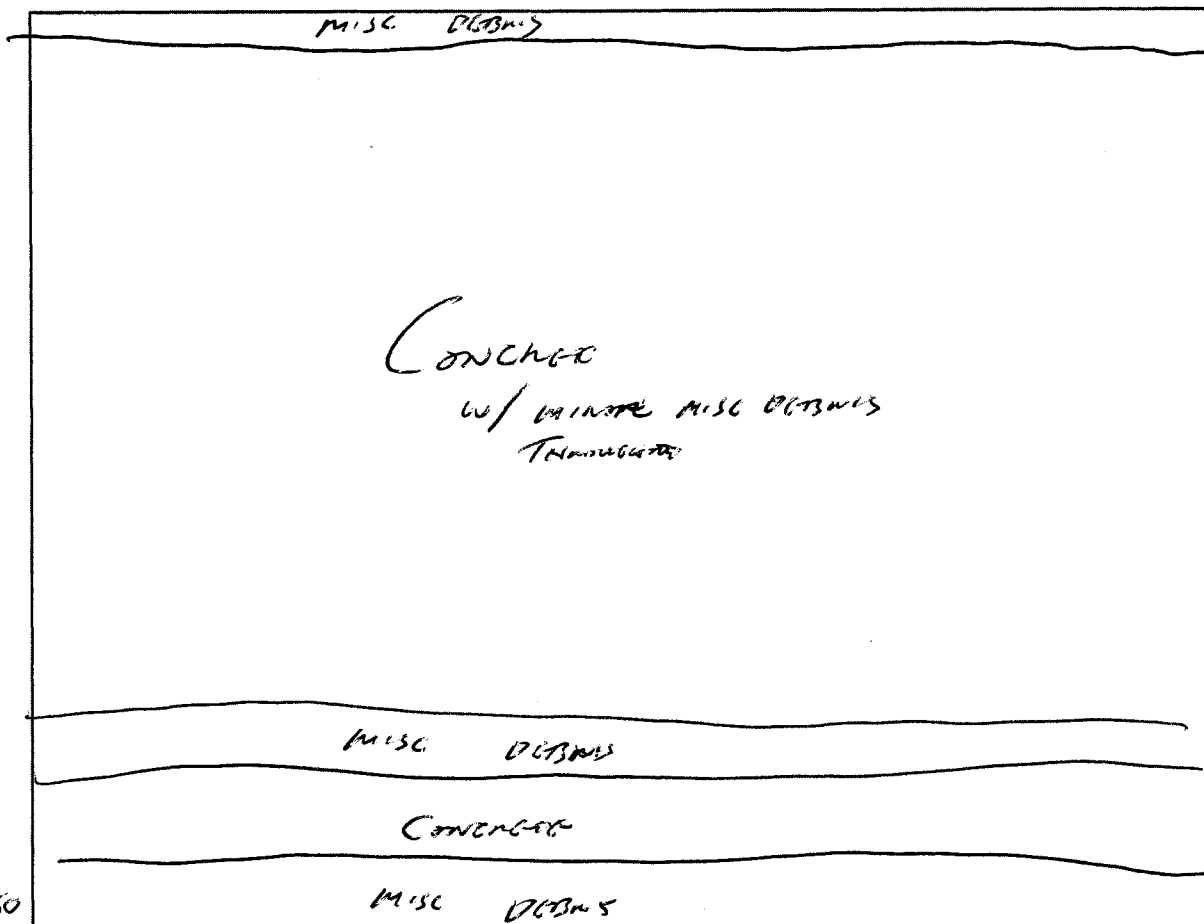
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

750+400

650+450



Grid Location: N 9

Map Coordinates: N -N E -E

Description:

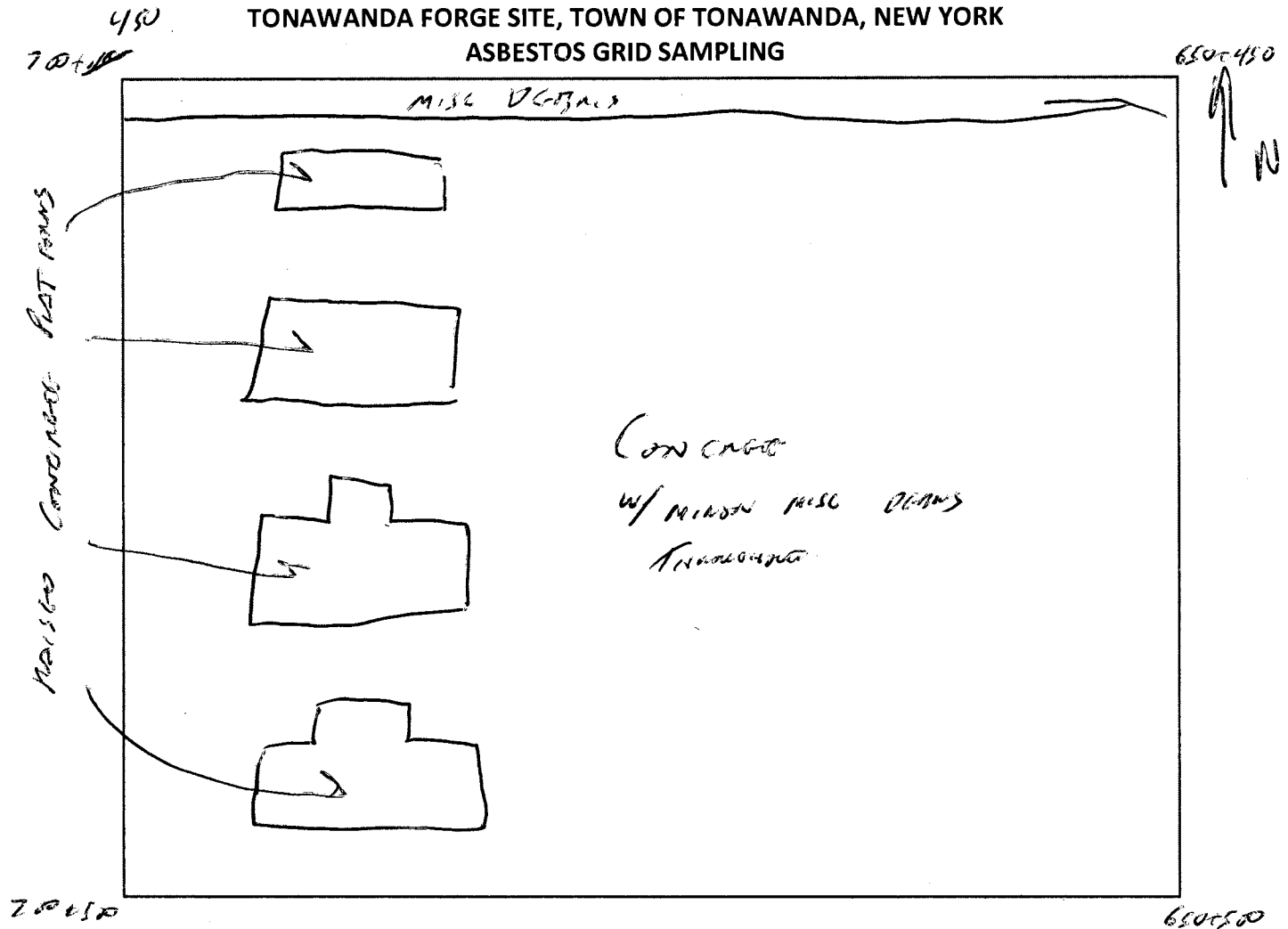
PACM Identified: MISC DEBRIS (see drawing)

Bulk Samples Collected: Yes ☒ No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: N10

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (see previous)

Bulk Samples Collected:

Yes

No

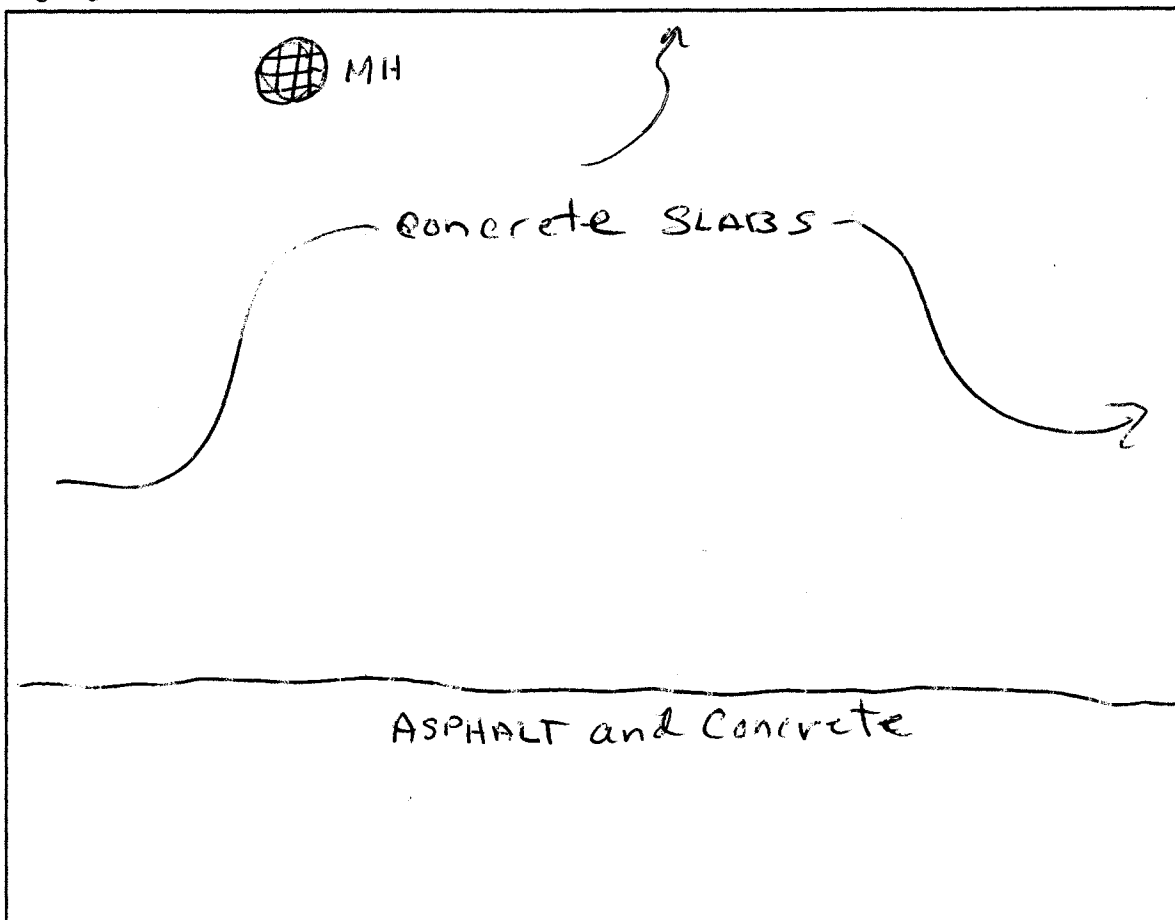
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

700 + 500

650 + 500



700 + 550

Grid Location: **N11**

Map Coordinates: N

-N

E

650 + 550

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

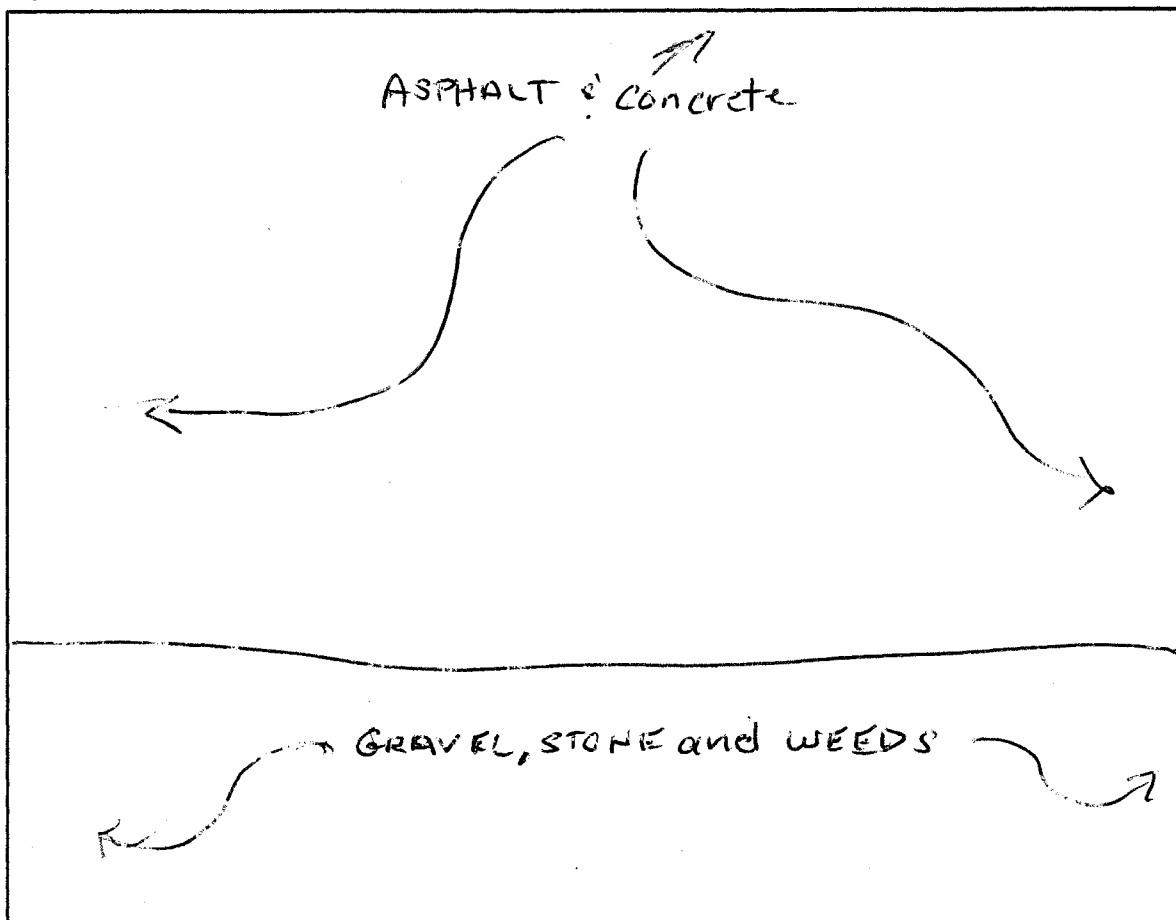
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

700+550

650+550



700+600

Grid Location: N12

Map Coordinates: N

-N

E

-E

650+600

Description:

PACM Identified: NO SUSPECT ACM

Bulk Samples Collected:

Yes

No

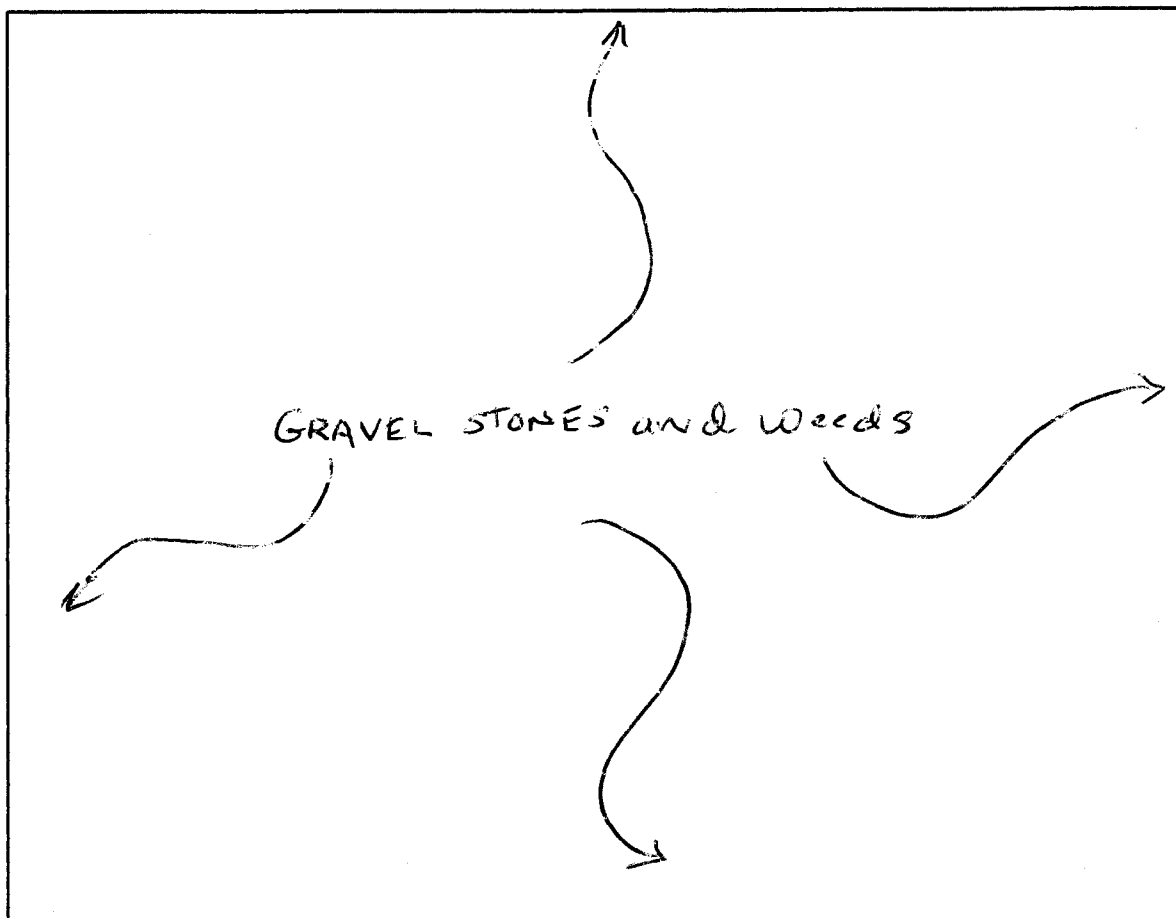
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

700+600

650+600



700+640

Grid Location: N13

Map Coordinates: N

-N

E

-E

650+640

Description:

PACM Identified: NO SUSPECT ACM

Bulk Samples Collected:

Yes

No

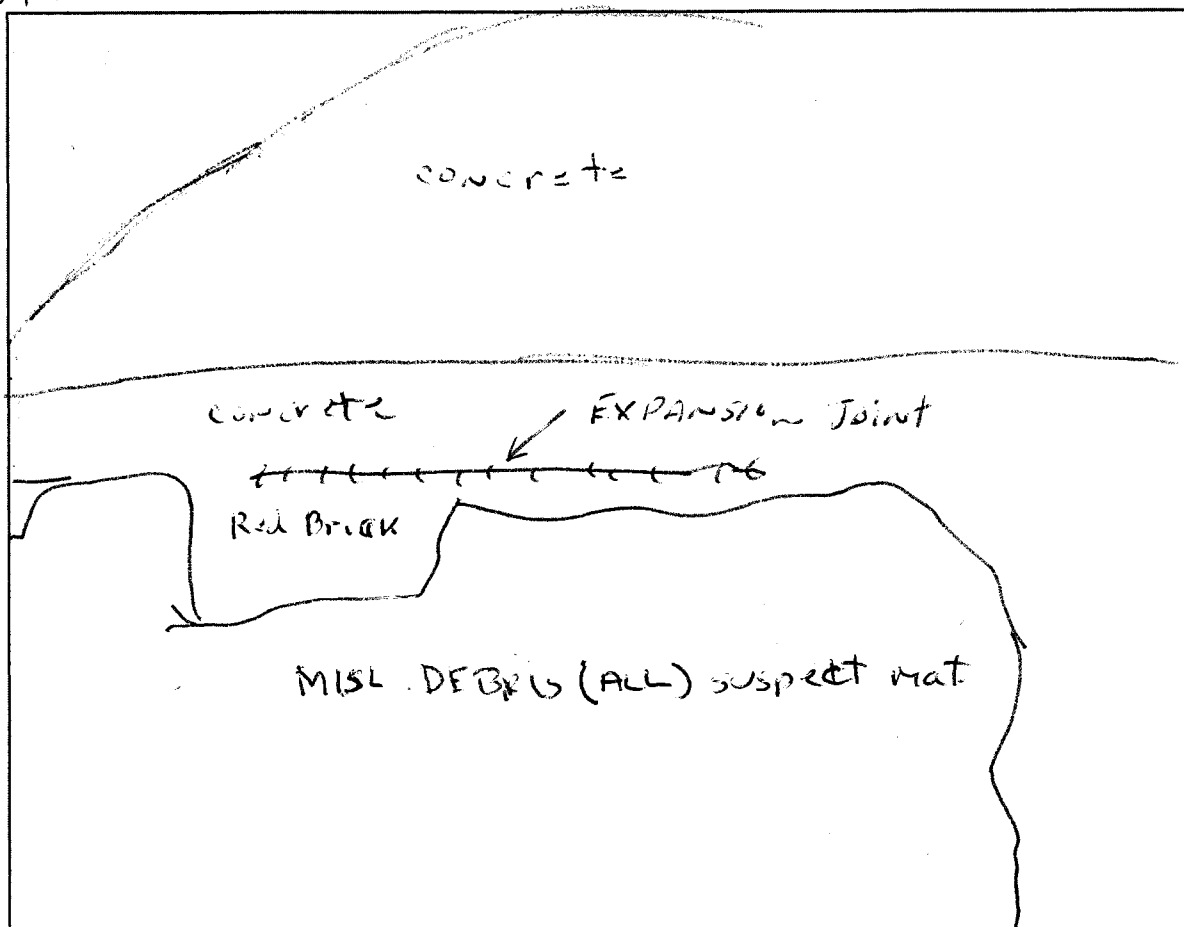
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

750+0

700+0



750+50

Grid Location: 01

Map Coordinates: N

-N

E

700+50
-E

Description:

PACM Identified: MISL. DEBRIS ALL SUSPECT ACM

Bulk Samples Collected:

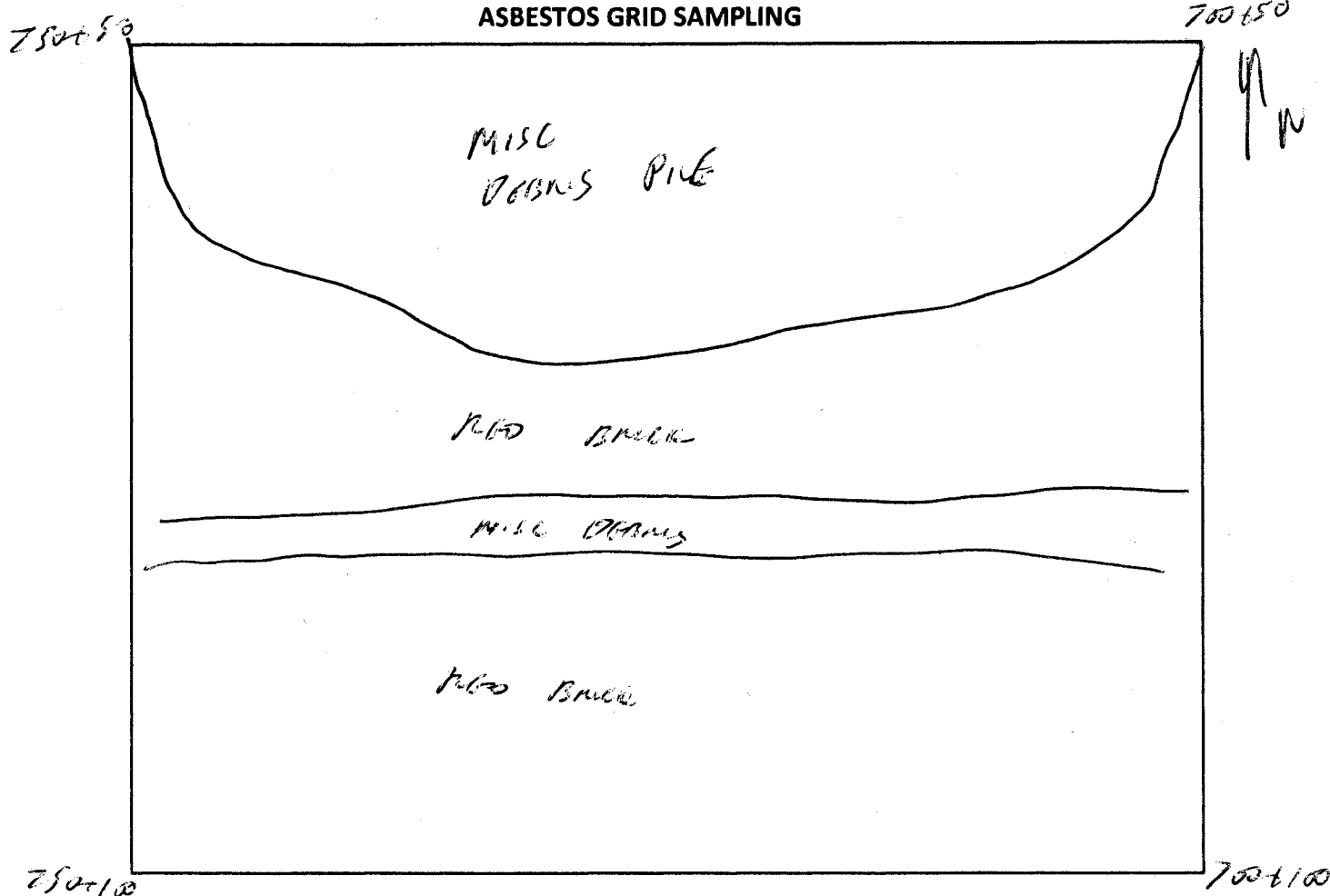
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: 02

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (SEE PHOTOS)

Bulk Samples Collected:

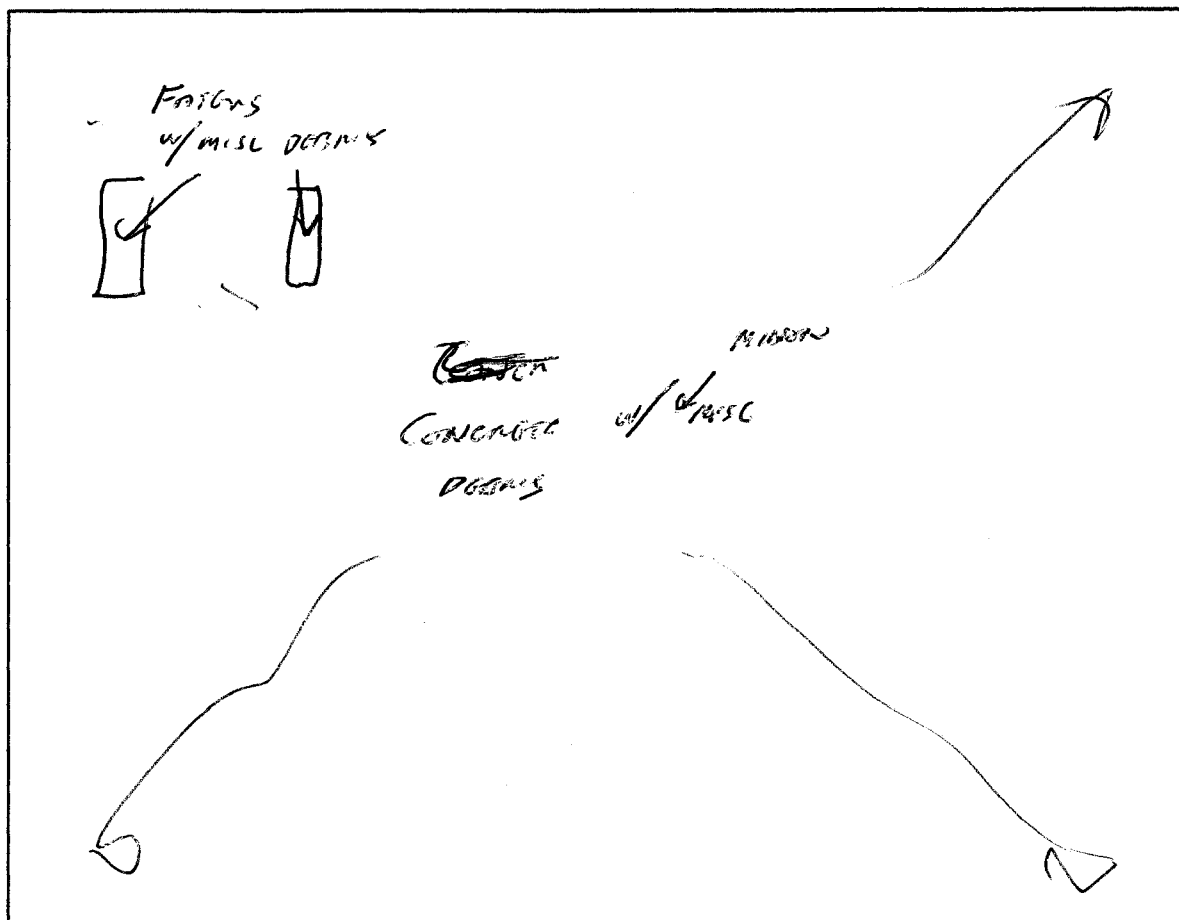
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location:

03

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (SEE PROFILES)

Bulk Samples Collected:

Yes

No

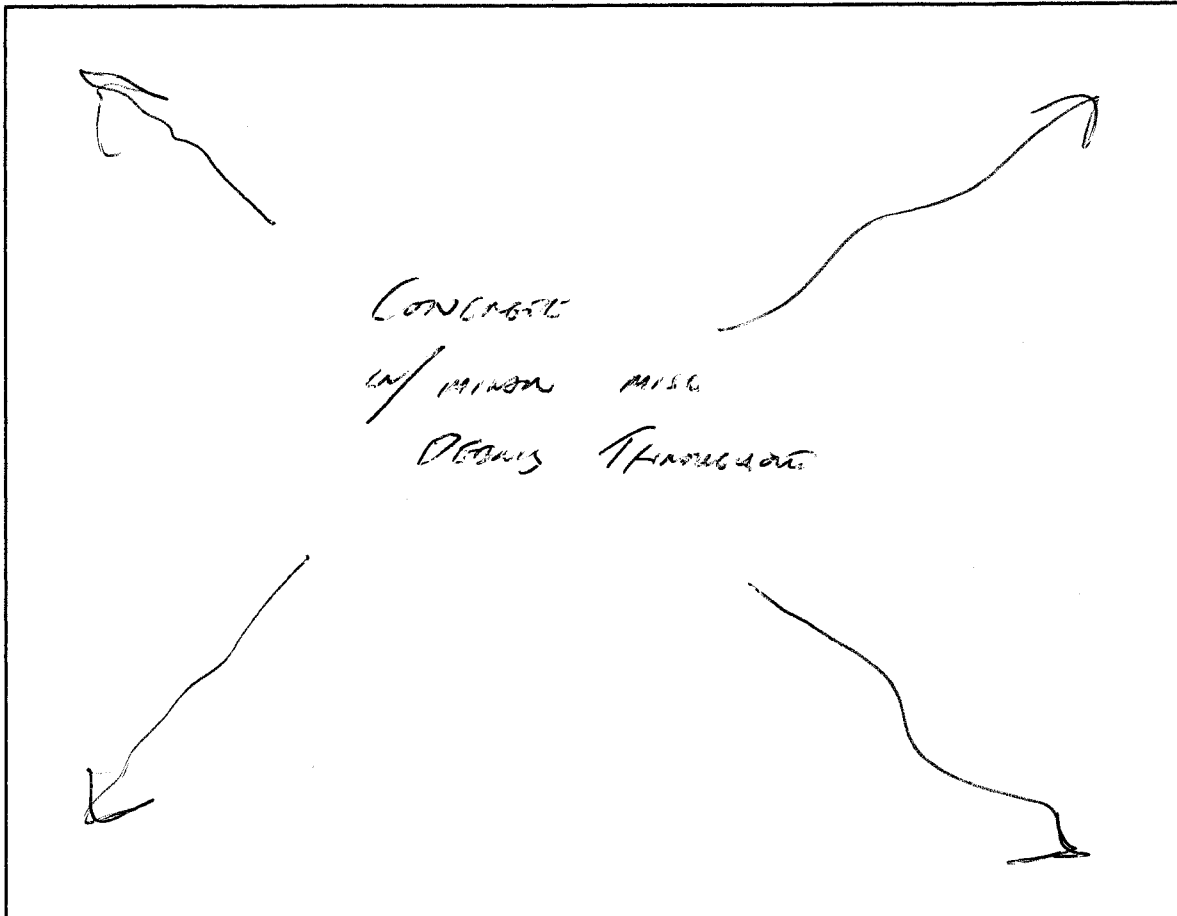
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

750+150

700+150



750+200

700+200

Grid Location: 04

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISCELLANEOUS DEBRIS (SEE PHOTOGRAPH)

Bulk Samples Collected:

Yes

No

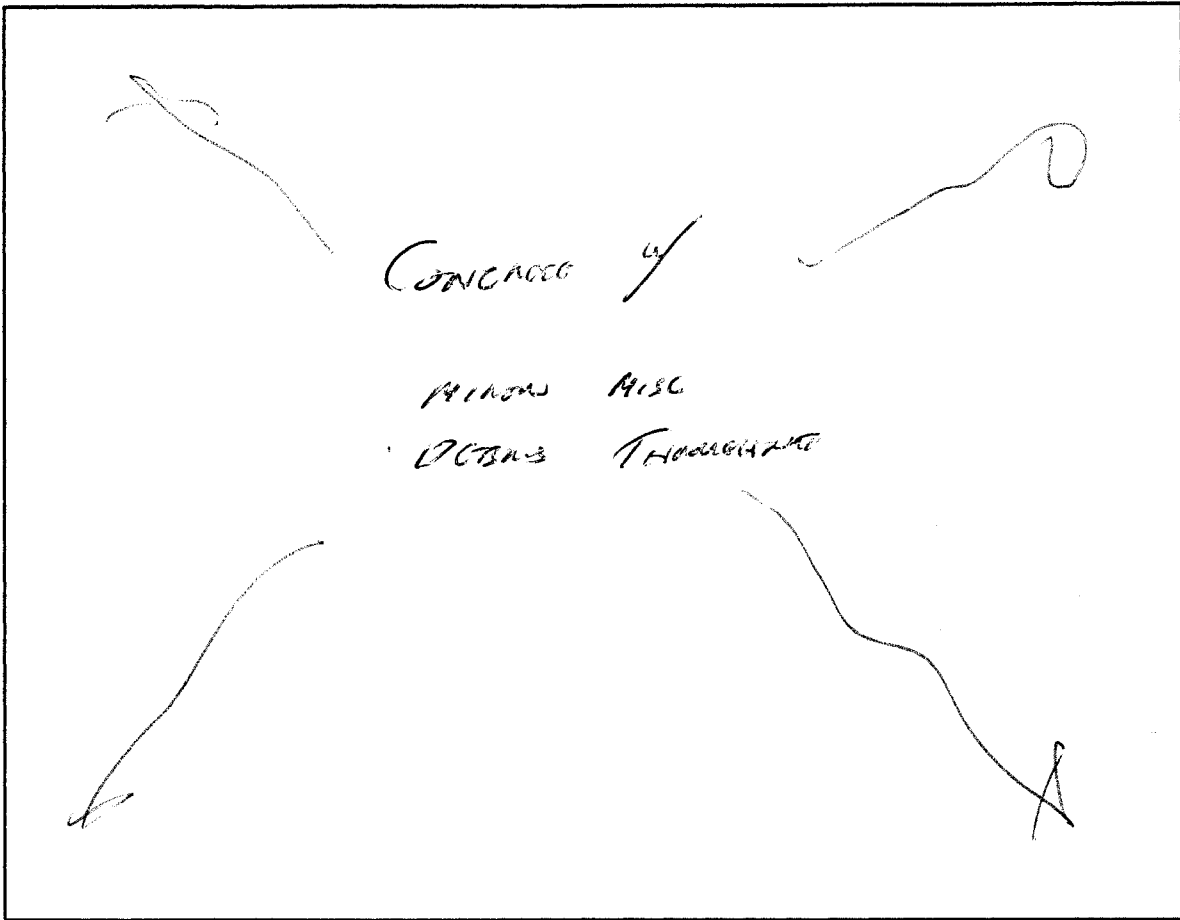
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

7501200

7001200



7501200

7001250

Grid Location:

05

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC PCB'S (SFC PAVING)

Bulk Samples Collected:

Yes

No

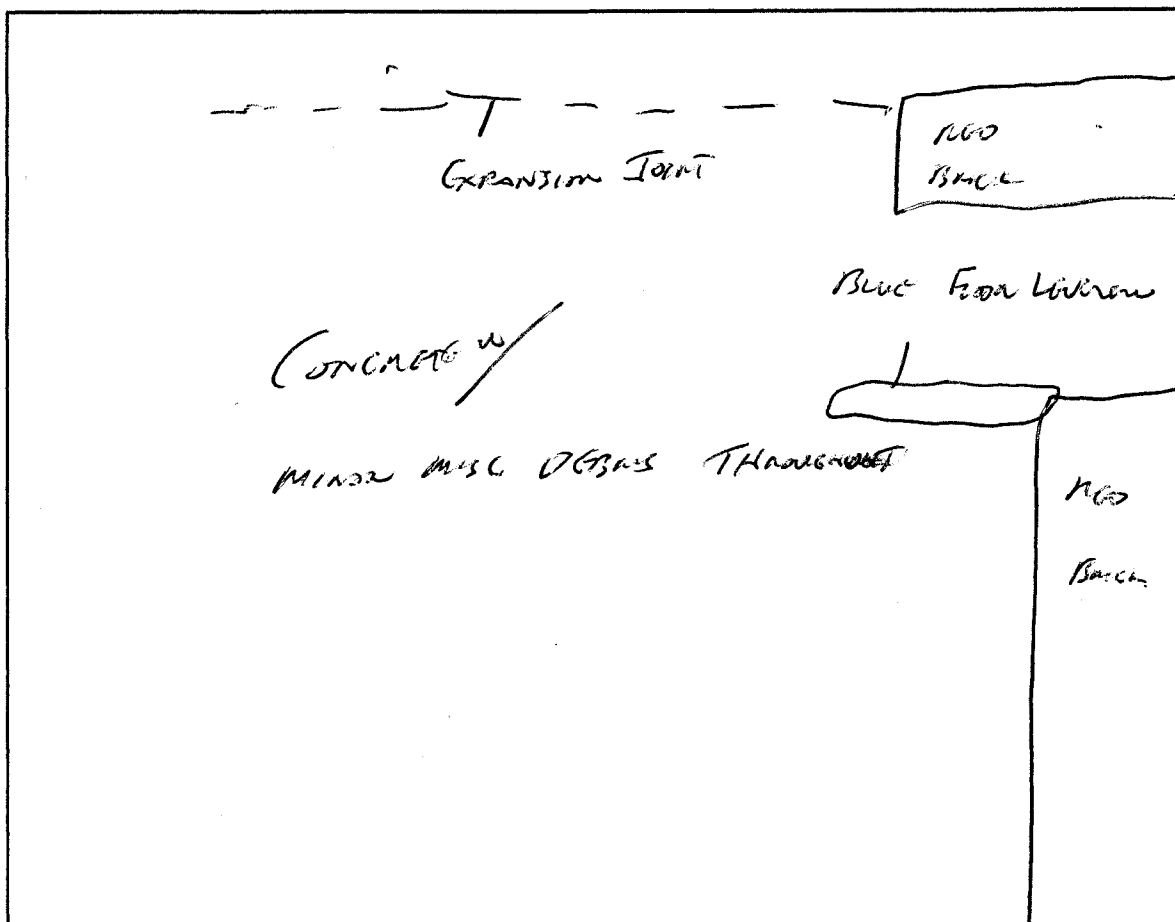
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

750+150
70

700+250



750+300

700+300

Grid Location: G 6

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: EXPANSION JOINT, MINOR MISCELLANEOUS DEBRIS (SEE PROGRAM)
BLUE FERR LIGNITE

Bulk Samples Collected:

Yes

No

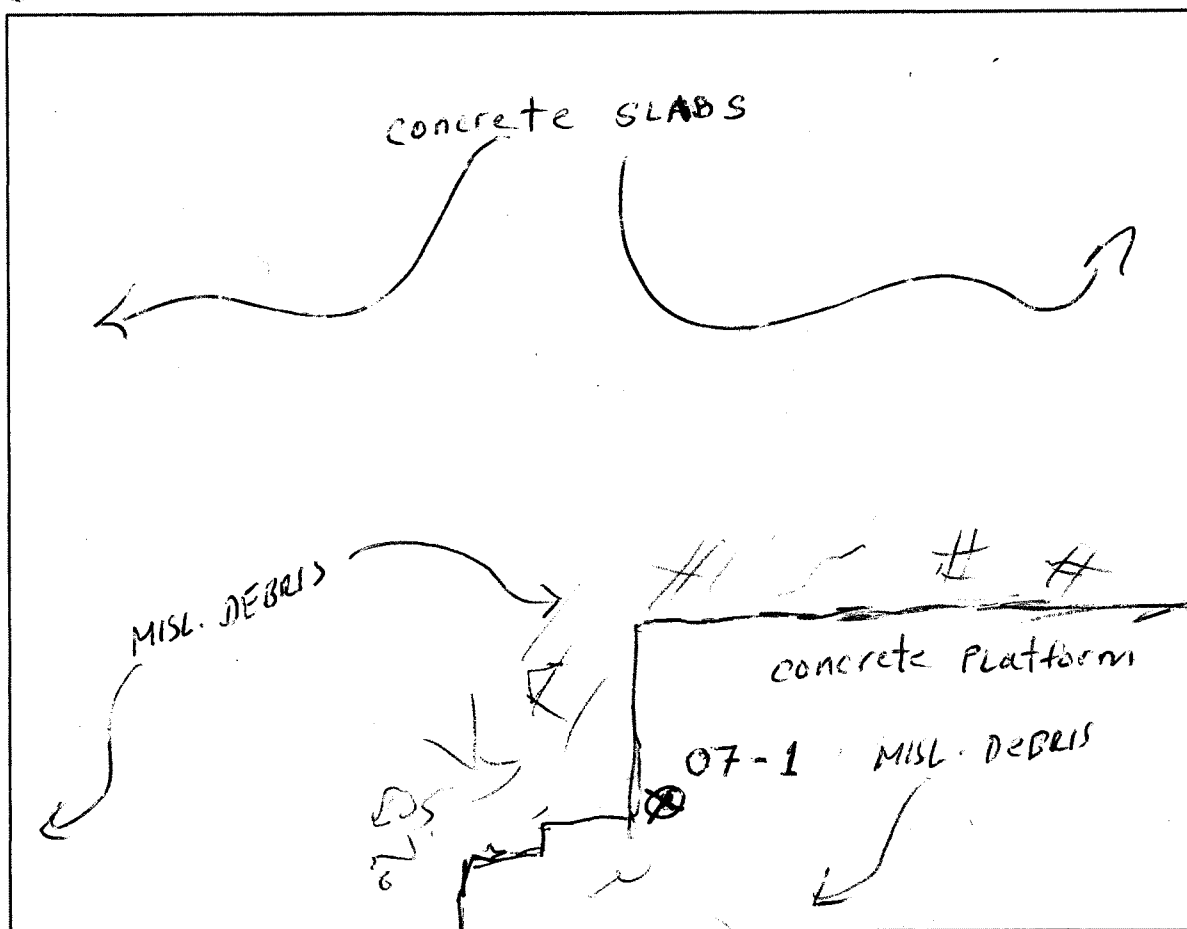
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

750 + 300

700 + 300



750 + 350

700 + 350

Grid Location: 07

Map Coordinates: N -N E -E

Description:

PACM Identified: BLK ROOF FLASHING CEMENT DEBRIS

Bulk Samples Collected: ☒ Yes ☐ No

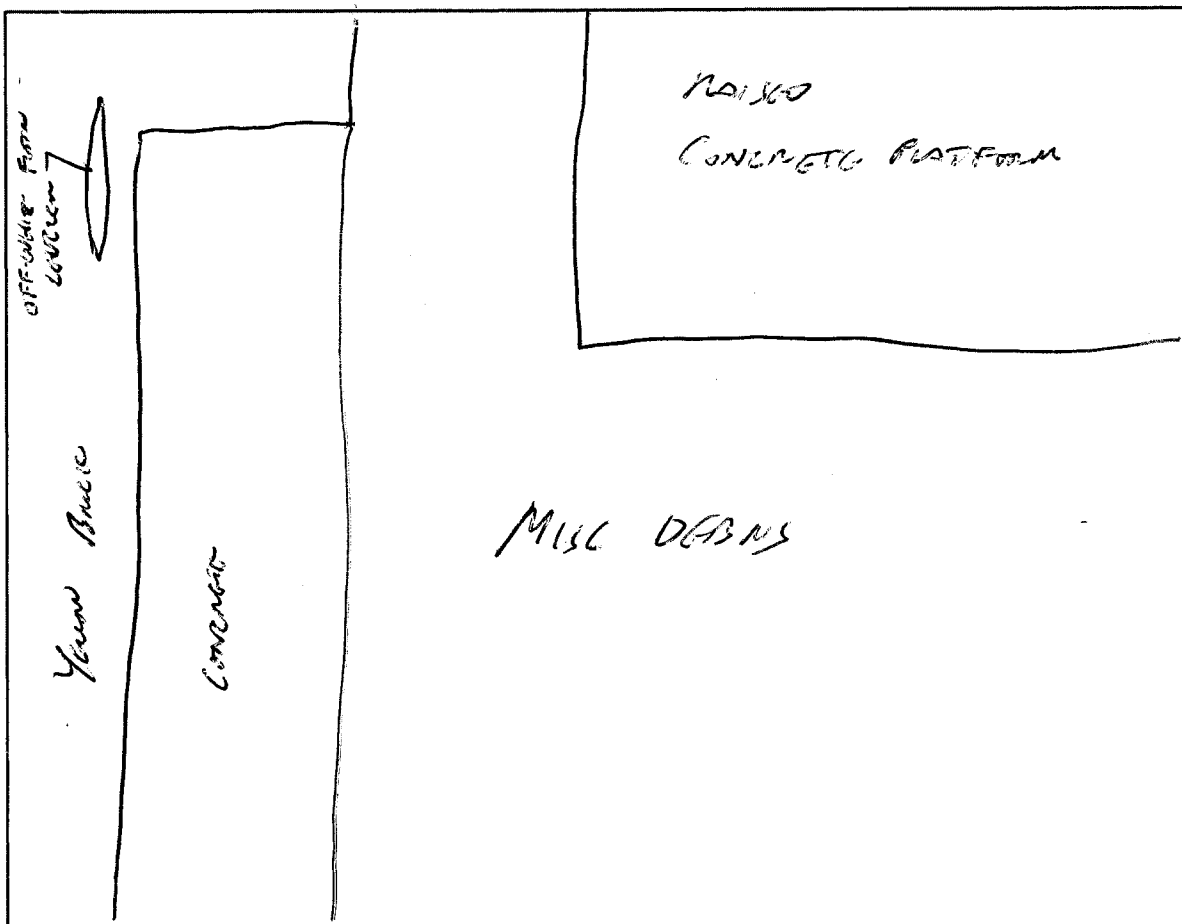
Sample Information:

Sample Number	Date	Time	Description
07-1	11/7/13		BLK ROOF FLASHING CEMENT 1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

750+550

700+550



750+400

700+400

Grid Location: 08

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS), OFF-WHITE FROM LUGN

Bulk Samples Collected:

Yes

No

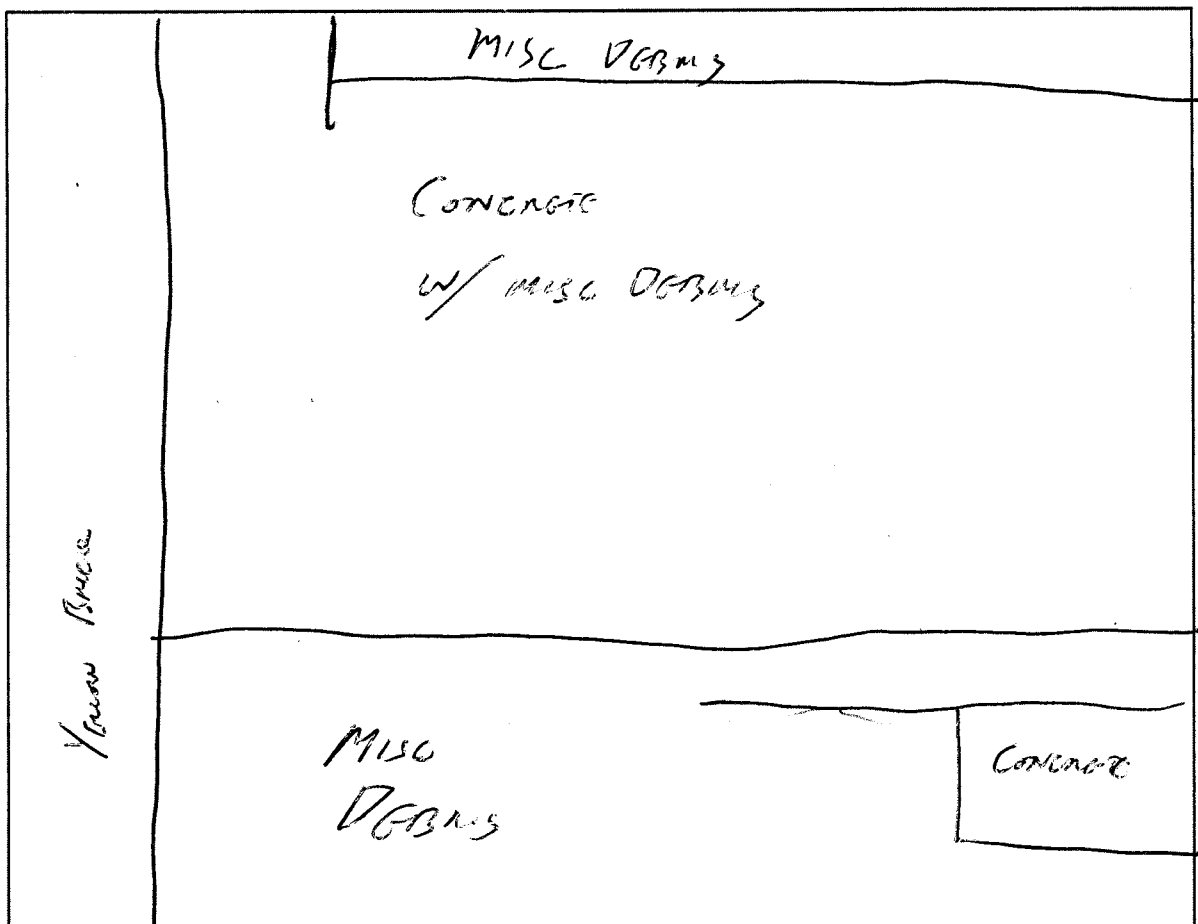
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

750 + 40

700 + 40



750 + 450

700 + 450

Grid Location: 09

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PHOTOS)

Bulk Samples Collected: Yes No

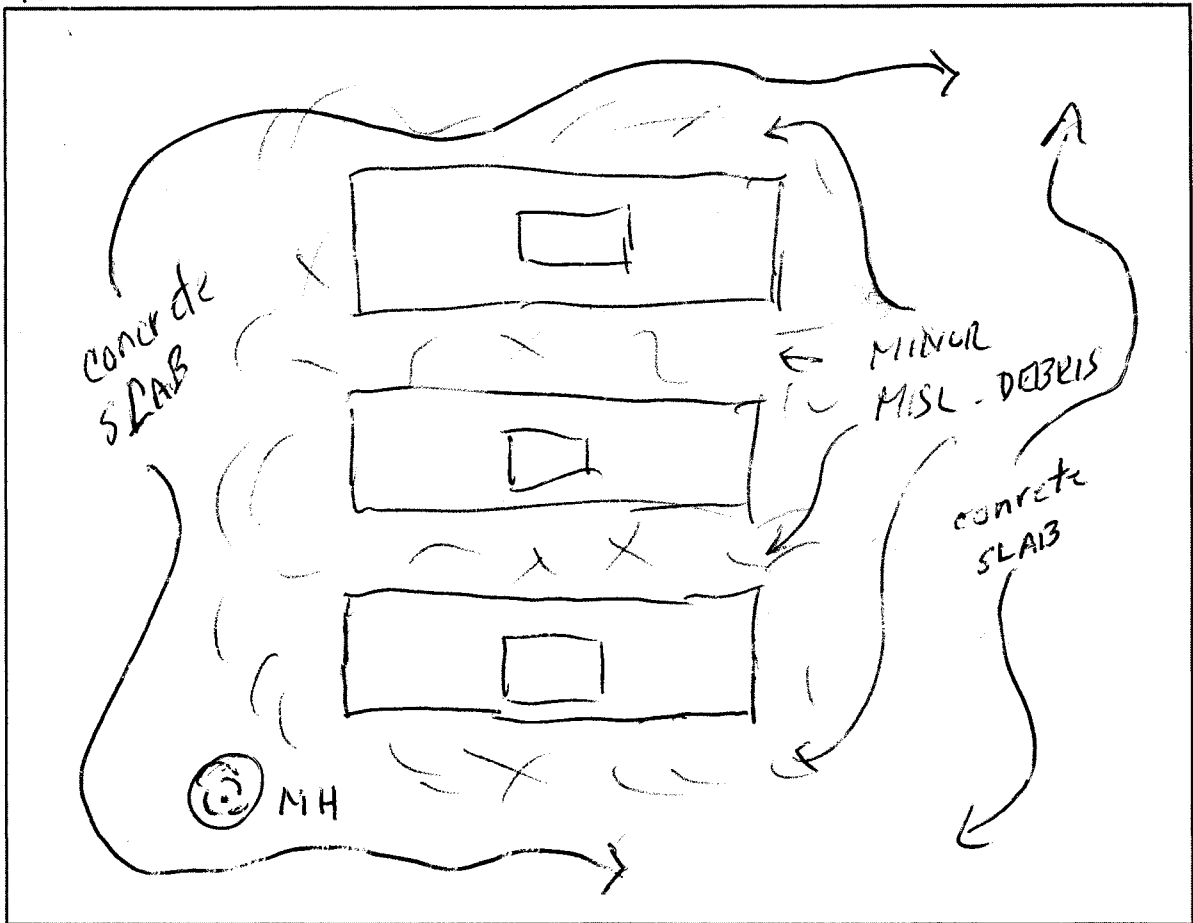
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

750 + 450

700 + 450



750 + 500

700 + 500

Grid Location: 010

Map Coordinates: N -N E -E

Description:

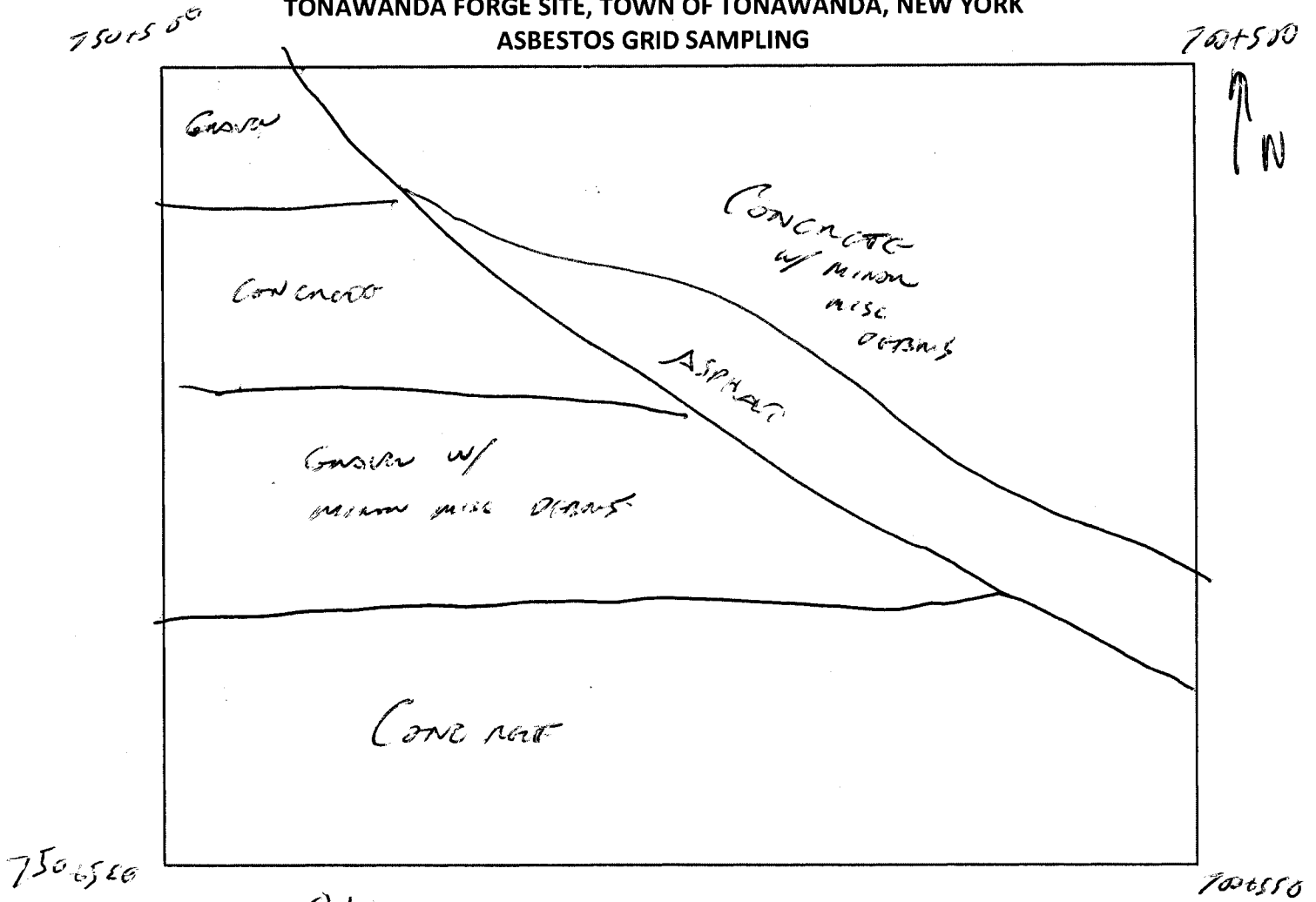
PACM Identified: MISL DEBRIS BUILT-UP, FLASHING, ROLL ROOFING, TAR PAPER
 ROOF

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: 011 Map Coordinates: N -N E -E

Description:

PACM Identified: MINOR MISC DEBRIS (SEE PHOTO)

Bulk Samples Collected: Yes No

Sample Information:

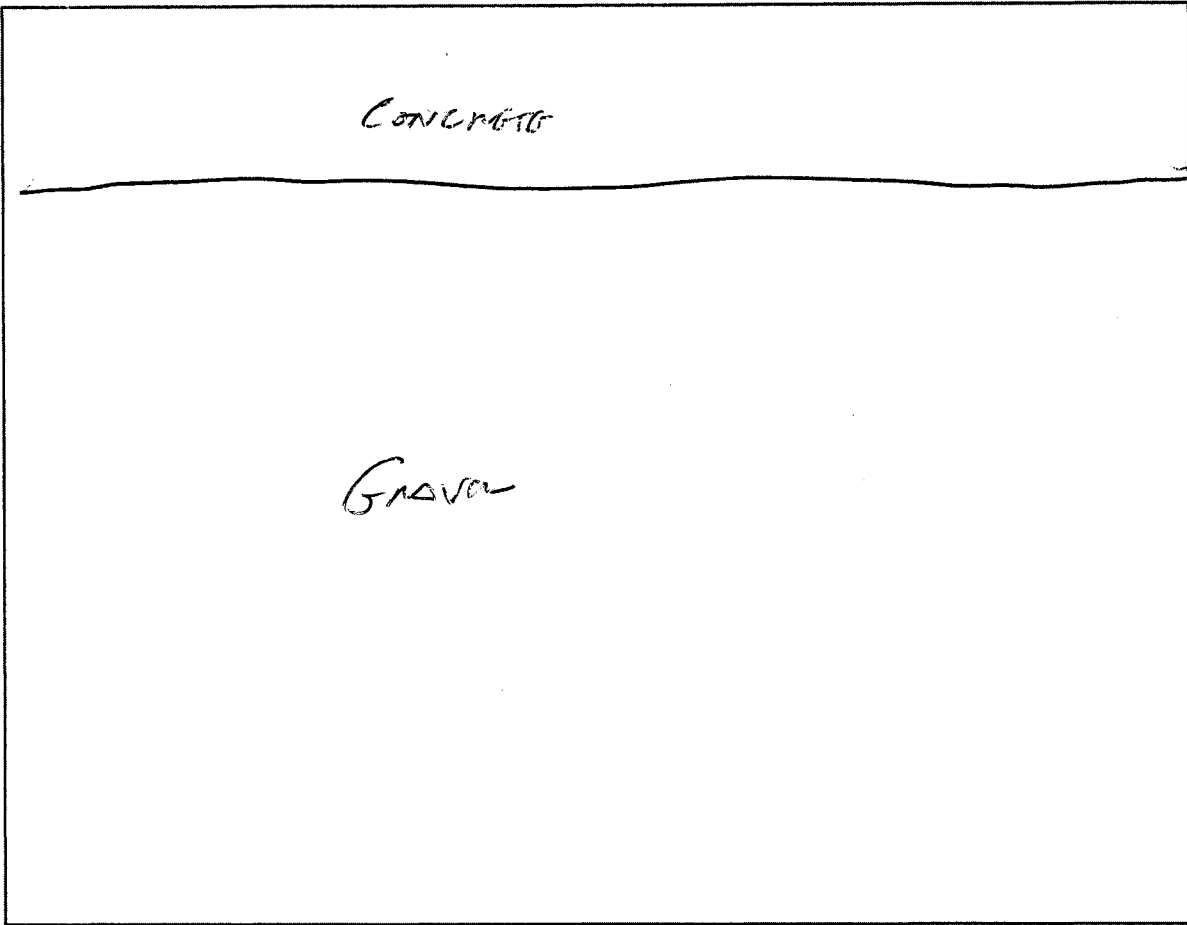
Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

750+50
700

700+550

N



750+60

700+60

Grid Location: *700+50 012* Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected: Yes No

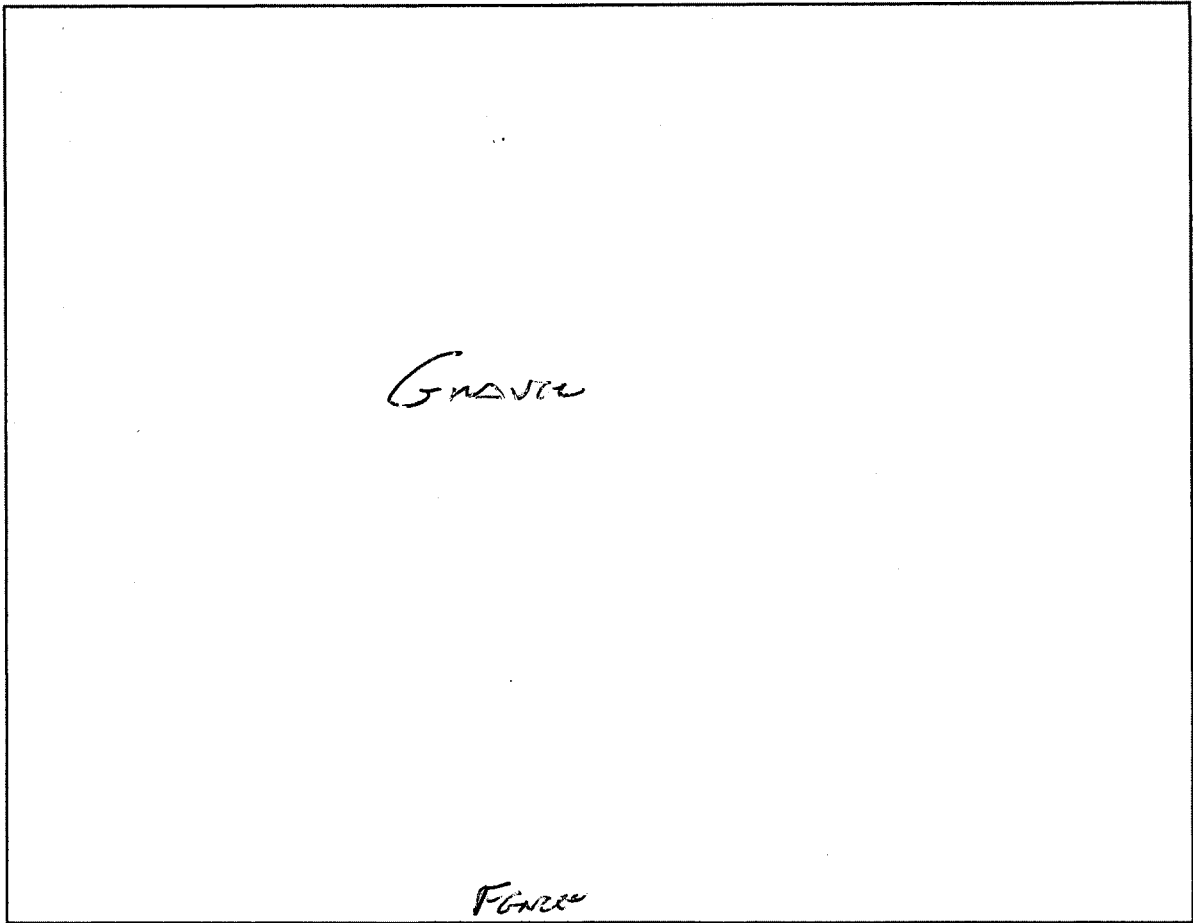
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

75060

70+60



Grid Location: 013

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

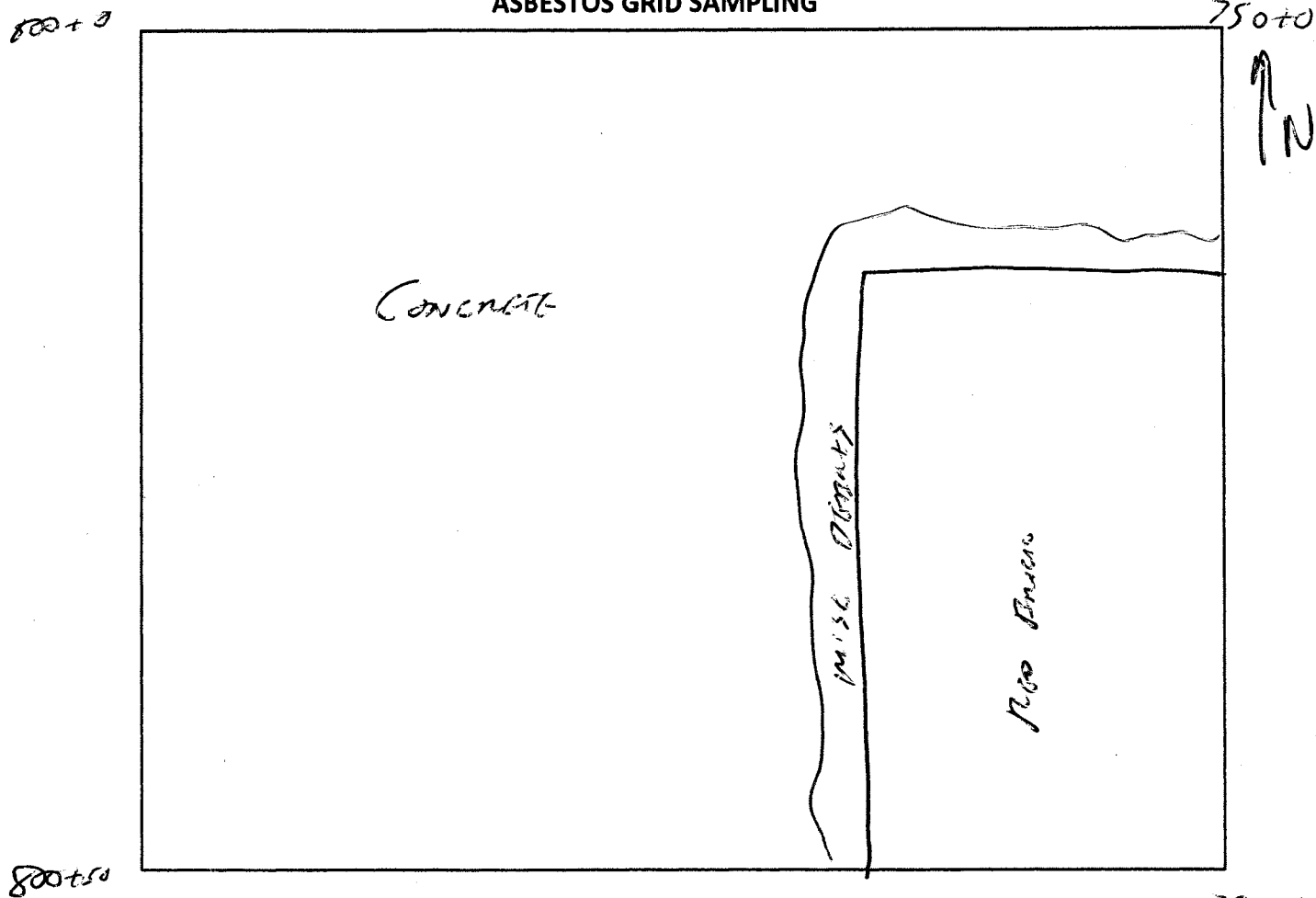
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: P1

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected:

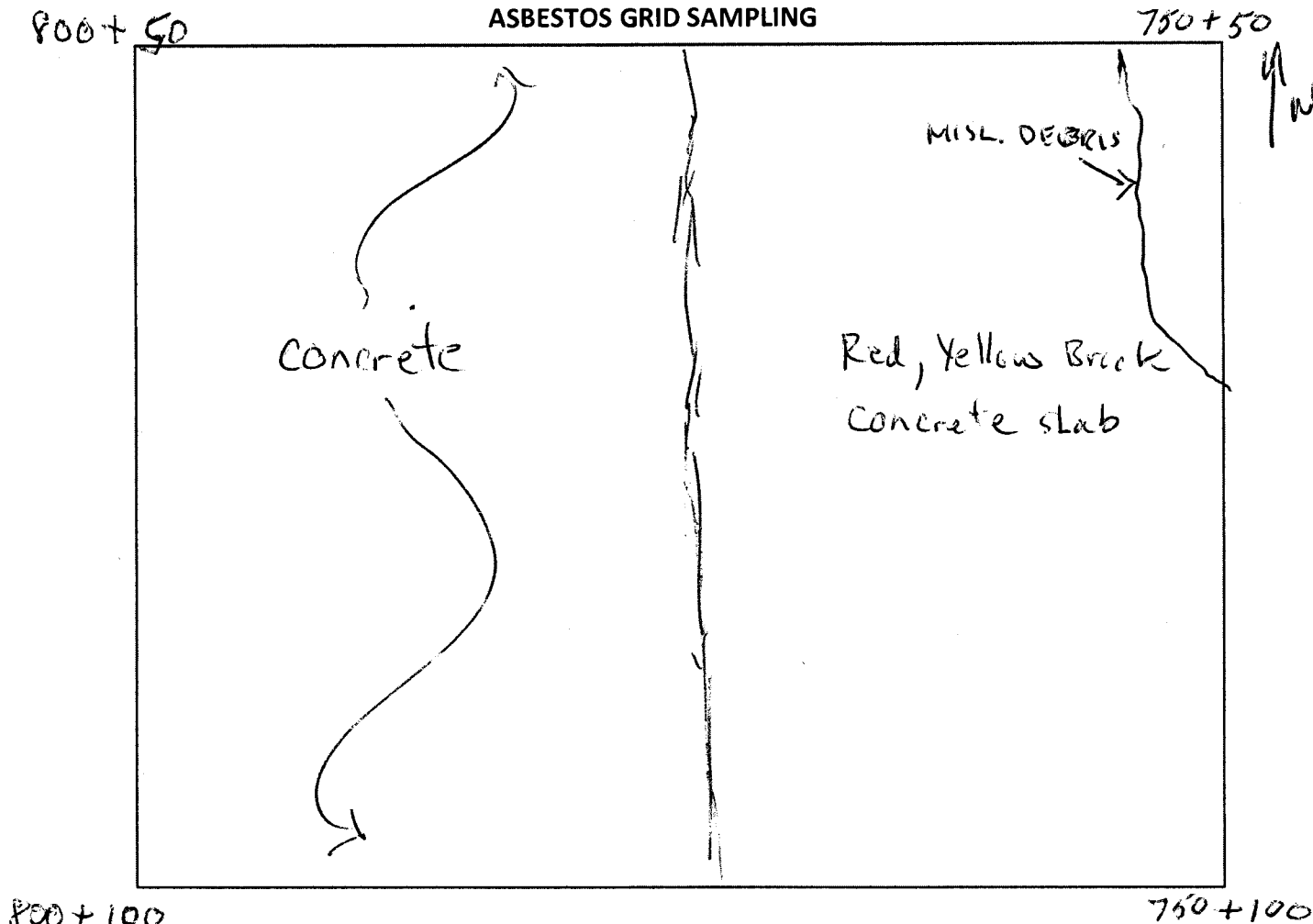
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: P2

Map Coordinates: N -N E -E

Description:

PACM Identified: MISL. DEBRIS ALL INSPECT ACM

Bulk Samples Collected:

Yes

No

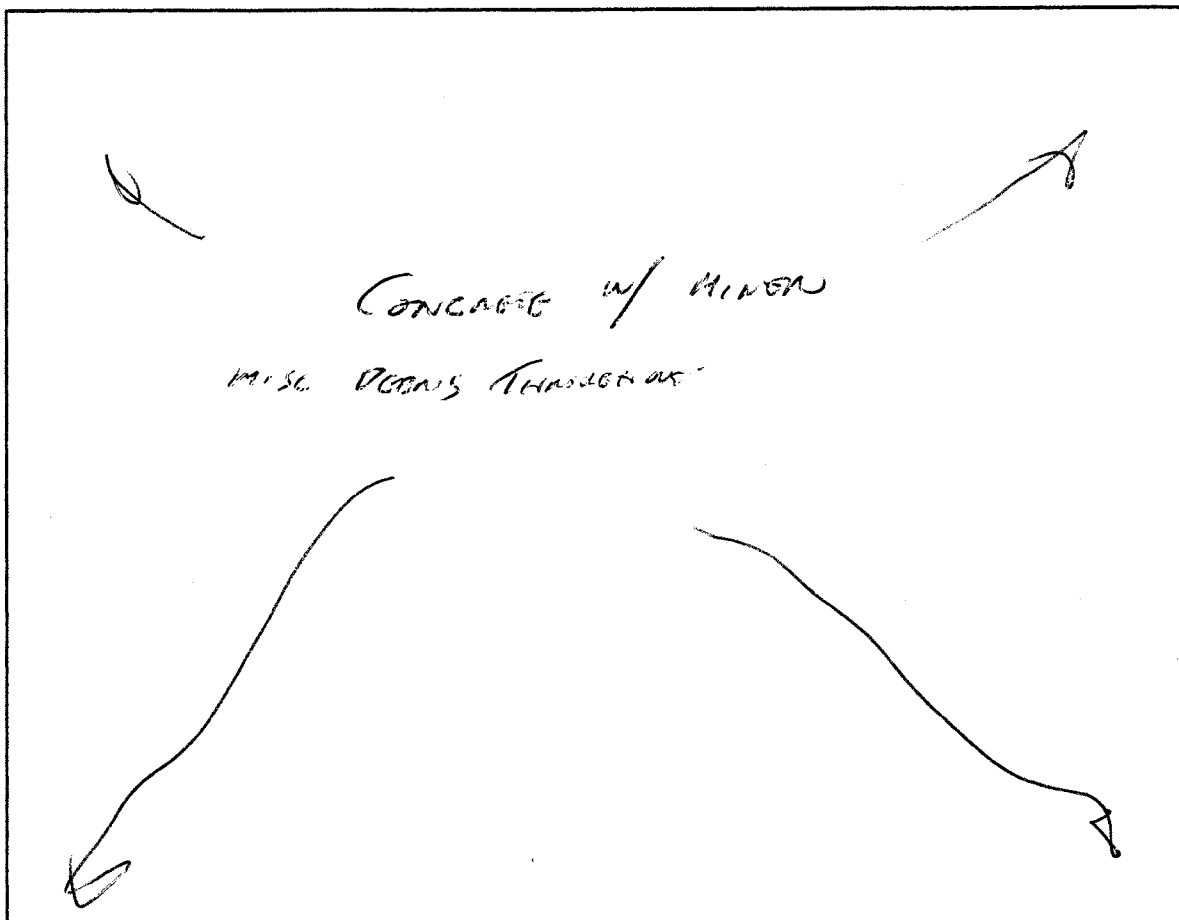
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

800+150

750+150



4/10

800+150

Grid Location: P3

Map Coordinates: N

-N

E

-E

750+150

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected:

Yes

No

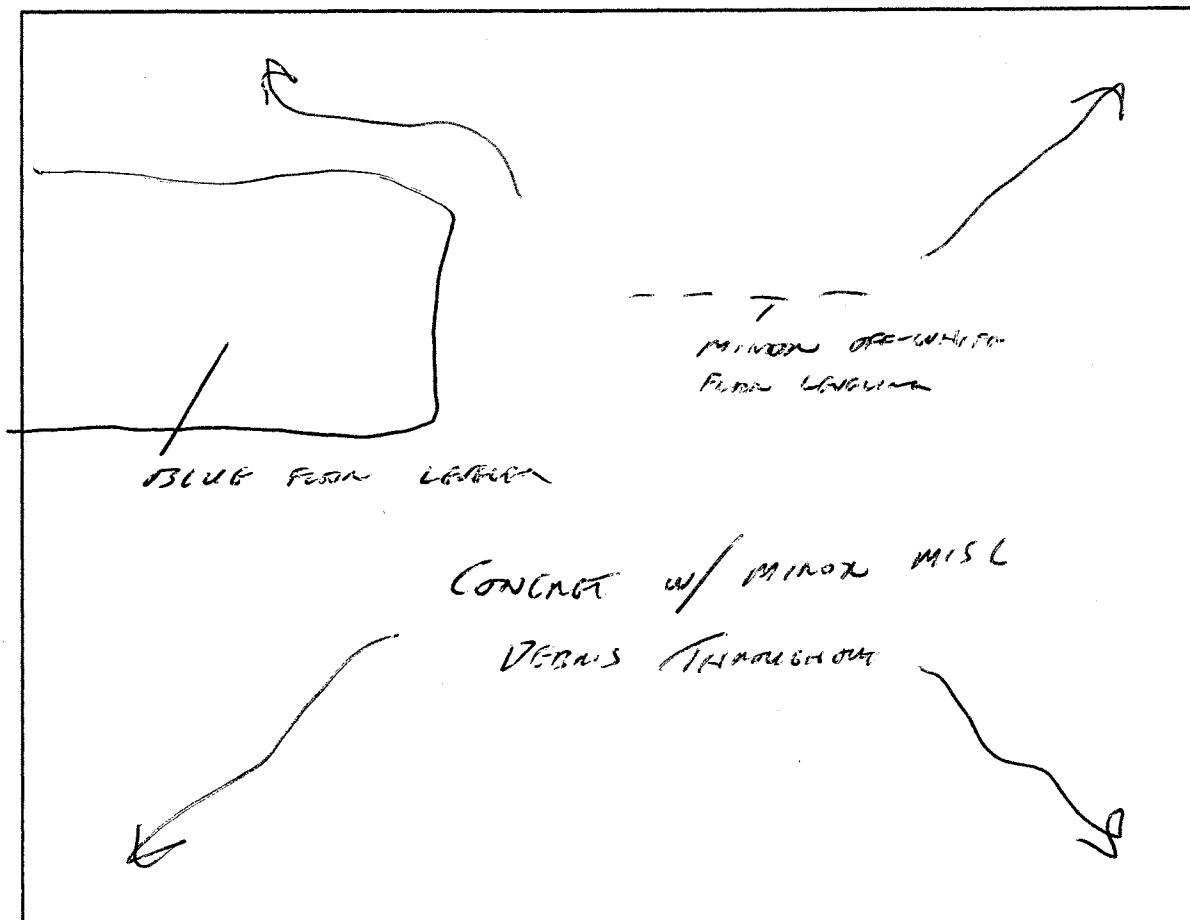
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

800-150

750-150



800-200

750-200

Grid Location: **P4**

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: **Blue Fern Lagoon, Misc Debris (See PACM 105), Off-White Fern Lagoon**

Bulk Samples Collected: Yes

No

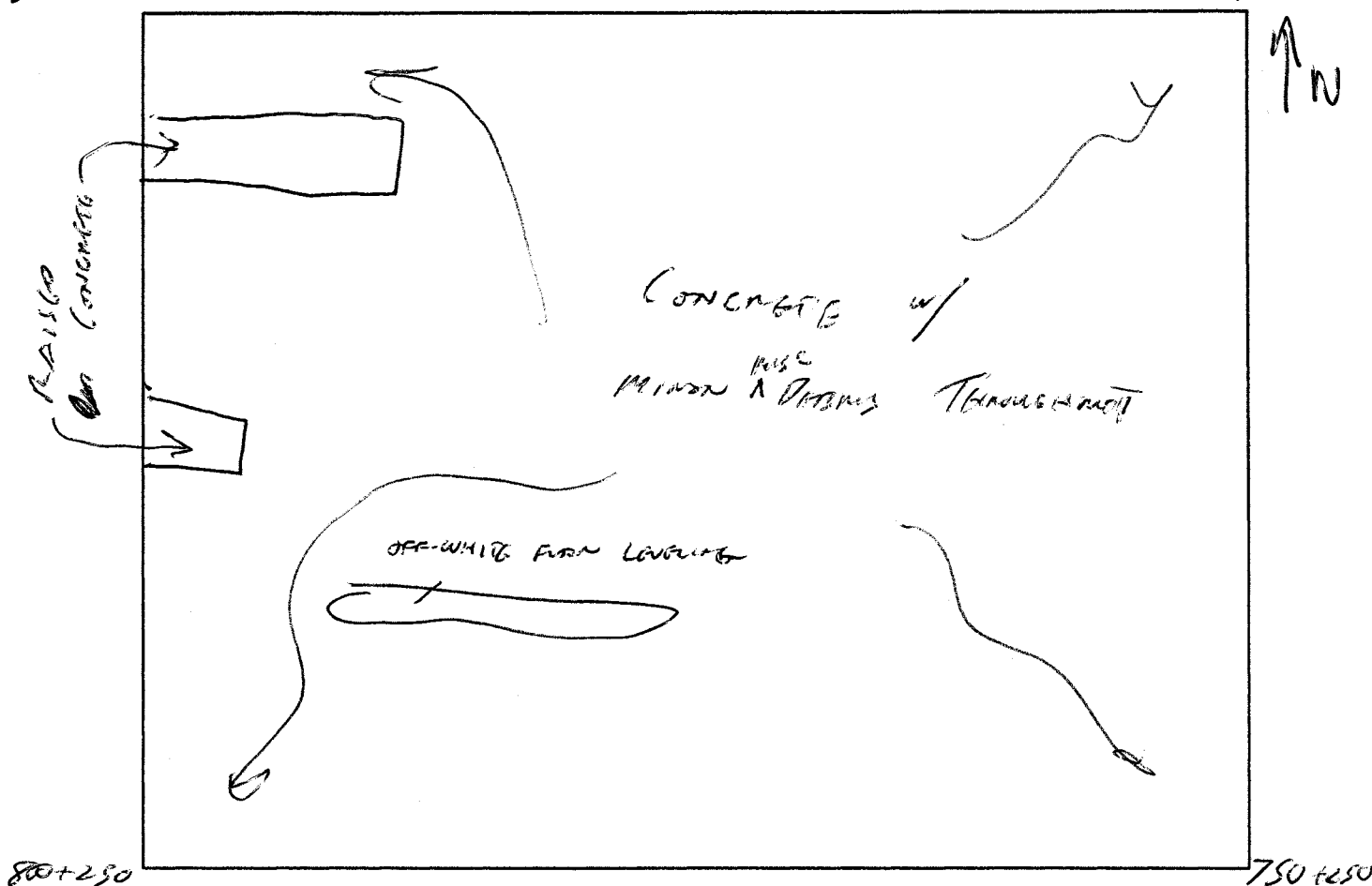
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

800+20

750+200



Grid Location: *P5*

Map Coordinates: N -N E -E

Description:

PACM Identified: OFF-WHITE FLOOR LINGERS, MISC. DEBRIS (SEE PHOTOS)

Bulk Samples Collected: Yes No

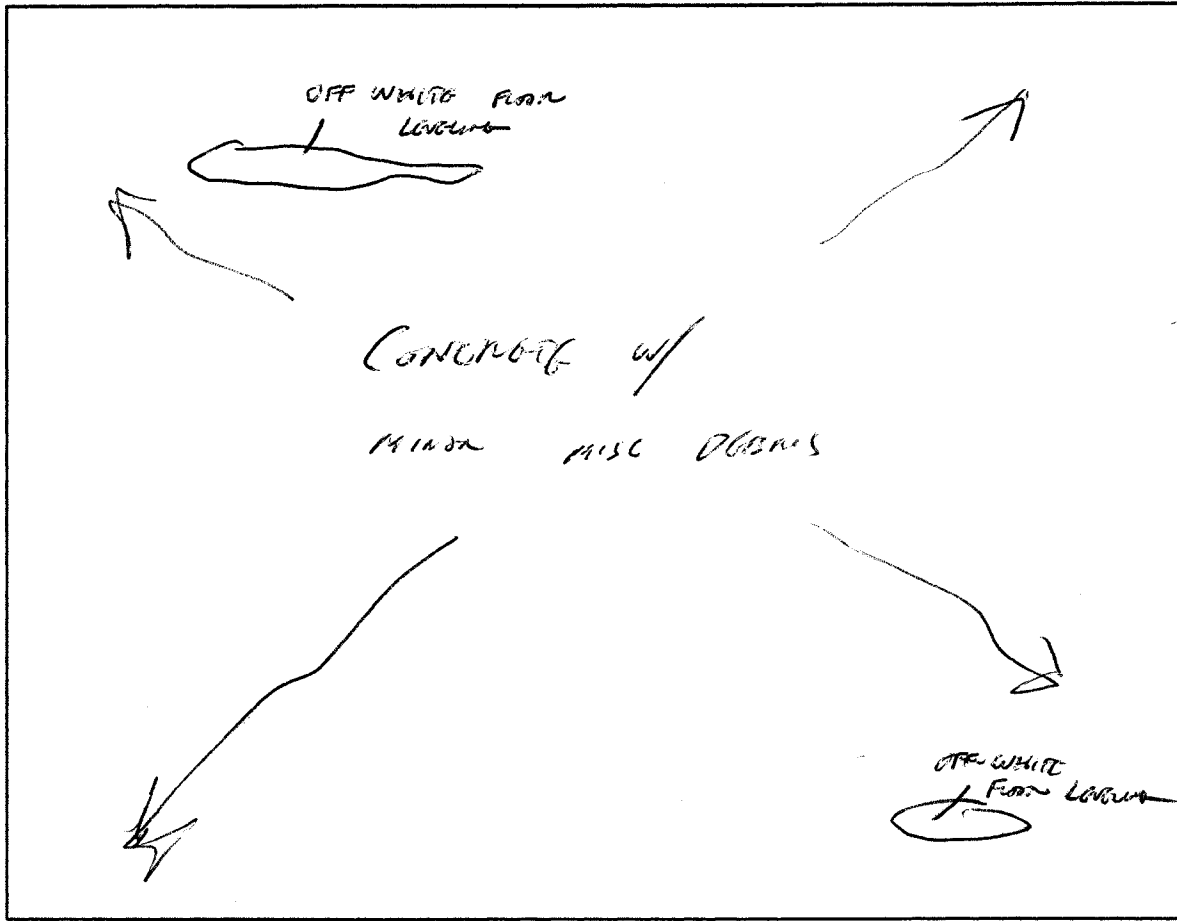
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

800+1250

750+1250
[Handwritten signature]



800+1250

750+1250

Grid Location: *P6* Map Coordinates: N -N E -E

Description:

PACM Identified: OFF WHITE PUM LORING, MINOR MISC DEBRIS (SBB PREVIOUS)

Bulk Samples Collected: Yes No

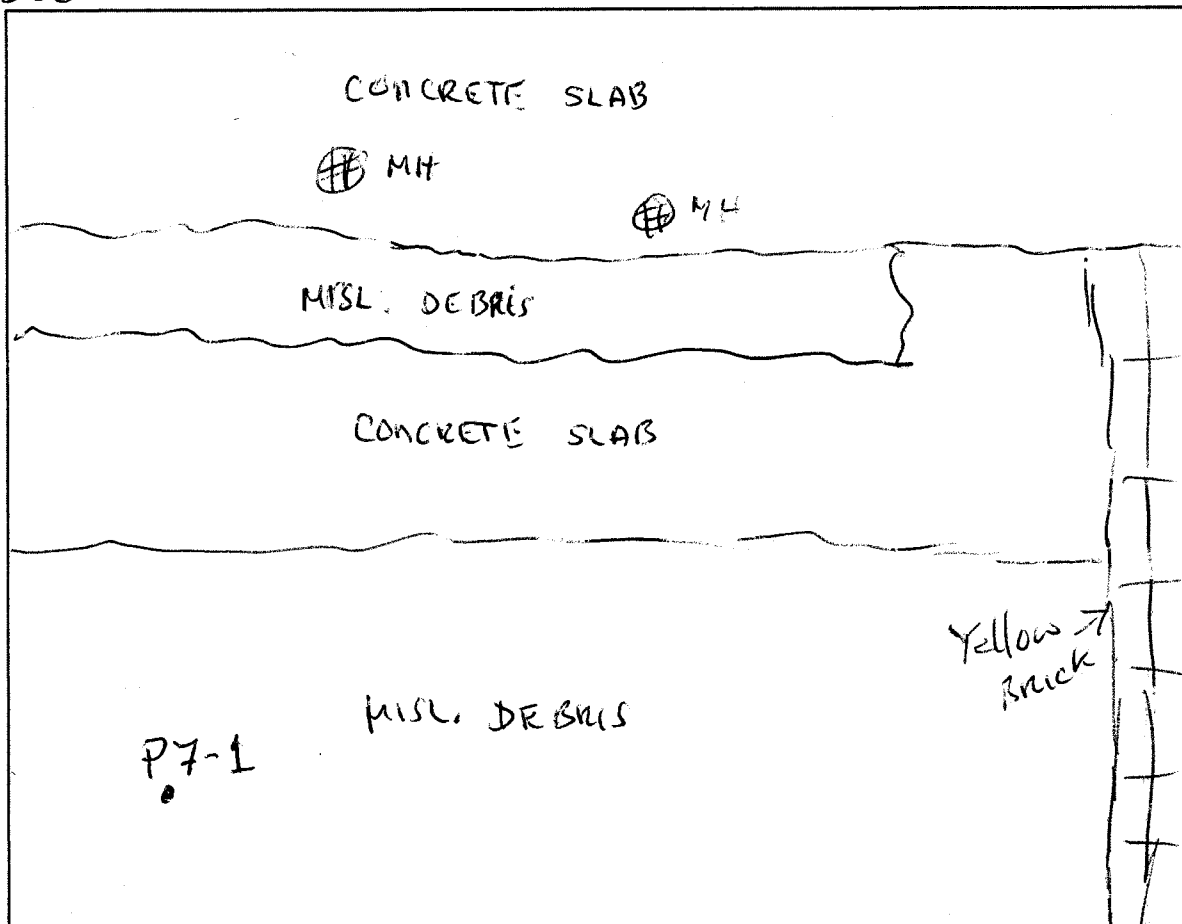
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

800+300

750+300



800+350

Grid Location: P7

Map Coordinates: N

-N

E

-E

750+350

Description:

PACM Identified: BLACK window caulking, CALBESTOS, Roofing, Tar paper etc.

Bulk Samples Collected:

Yes

No

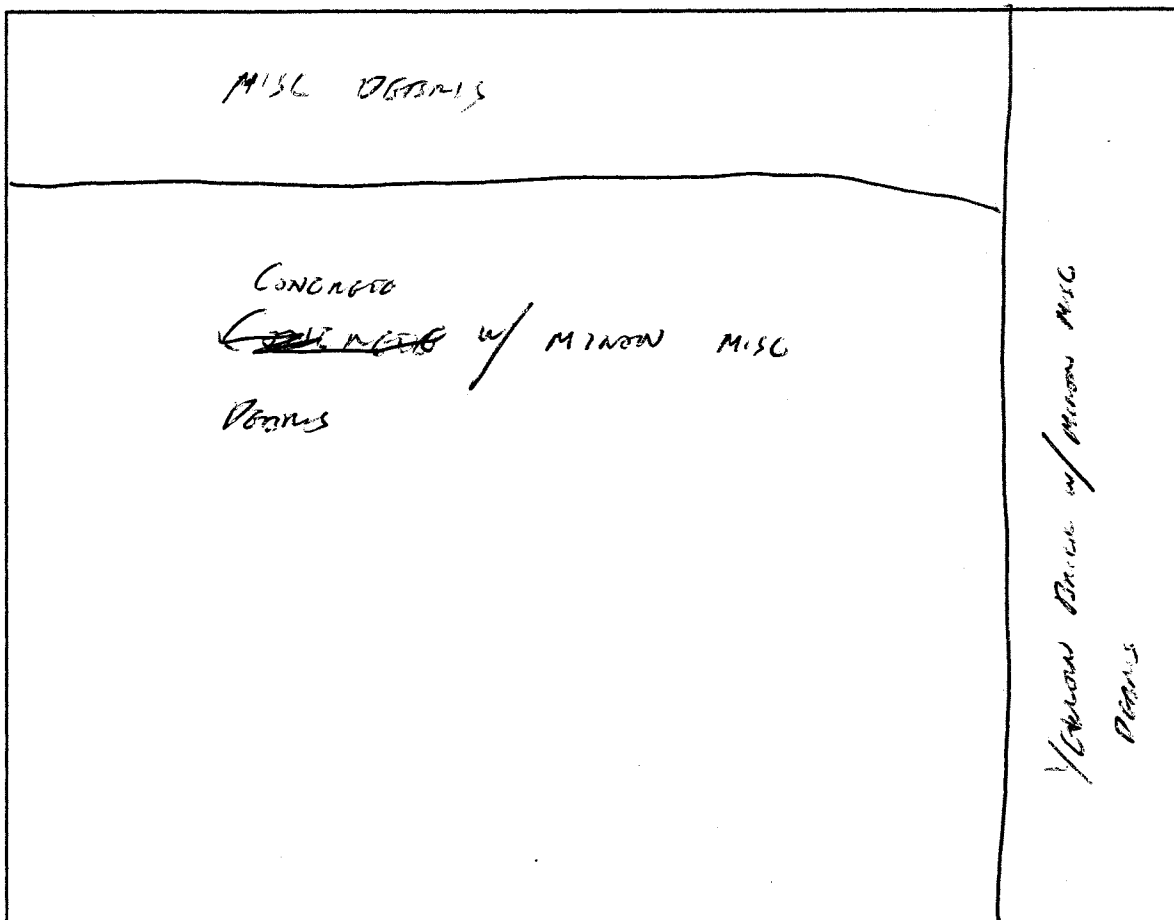
Sample Information:

Sample Number	Date	Time	Description
P7-1	11/7/13		BLK window caulking

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

800+350

750+350



800+400

750+400

Grid Location:

P8

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: ~~Asbestos~~ MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected:

Yes

No

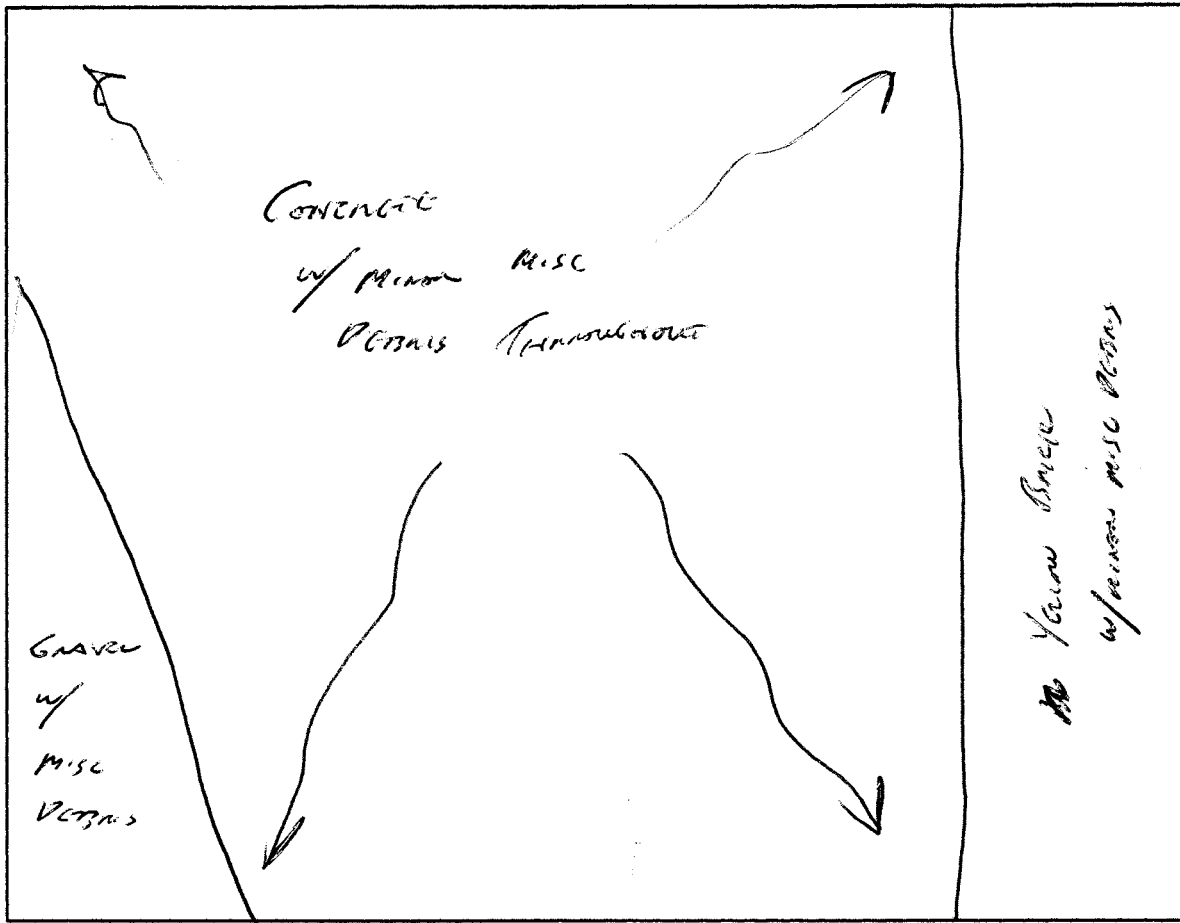
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

800+450

750+450



800+450

750+450

Grid Location: *P9*

Map Coordinates: N -N E -E

Description:

PACM Identified: *Misc Debris (SBB Previous)*

Bulk Samples Collected:

Yes

No

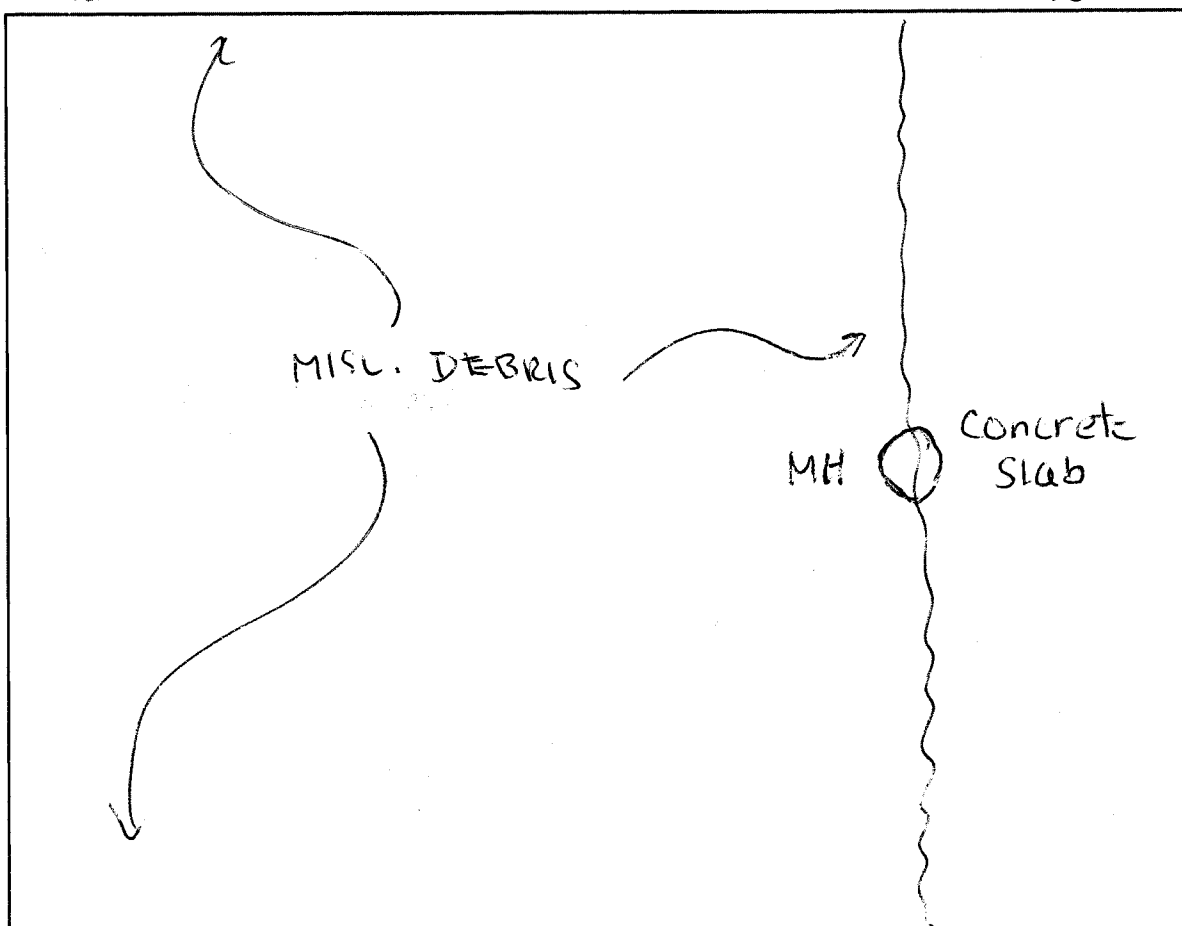
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

800 + 450

750 + 450



800 + 500

Grid Location: P10

Map Coordinates: N

-N

E

750 + 500

-E

Description:

PACM Identified: MISC. DEBRIS roofing, flashing, TAR PAPER, SHINGLES

Bulk Samples Collected:

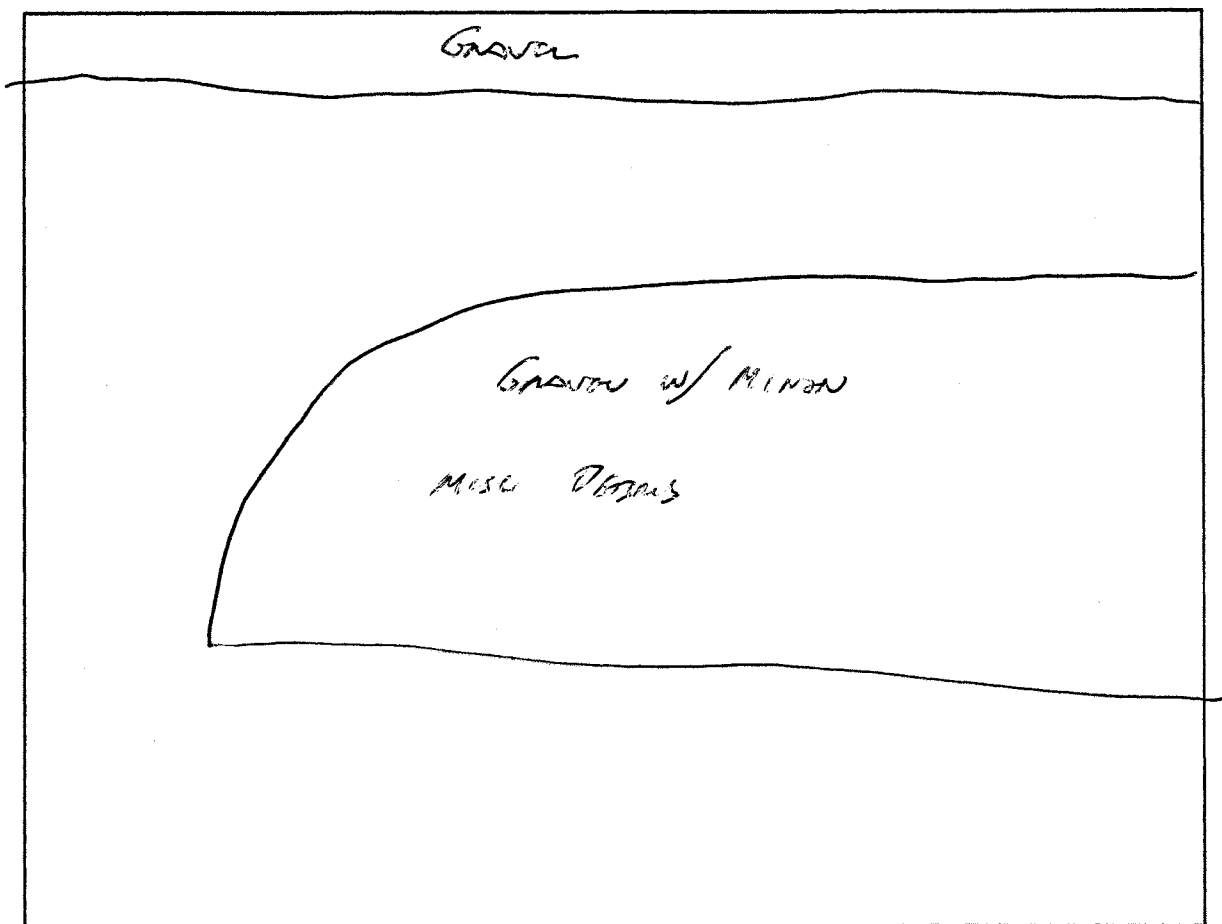
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: P11

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: Misc Debris (See previous)

Bulk Samples Collected:

Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

800+550

750+550



CONCRETE

GRAVEL

800+600

750+600

Grid Location: P12

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

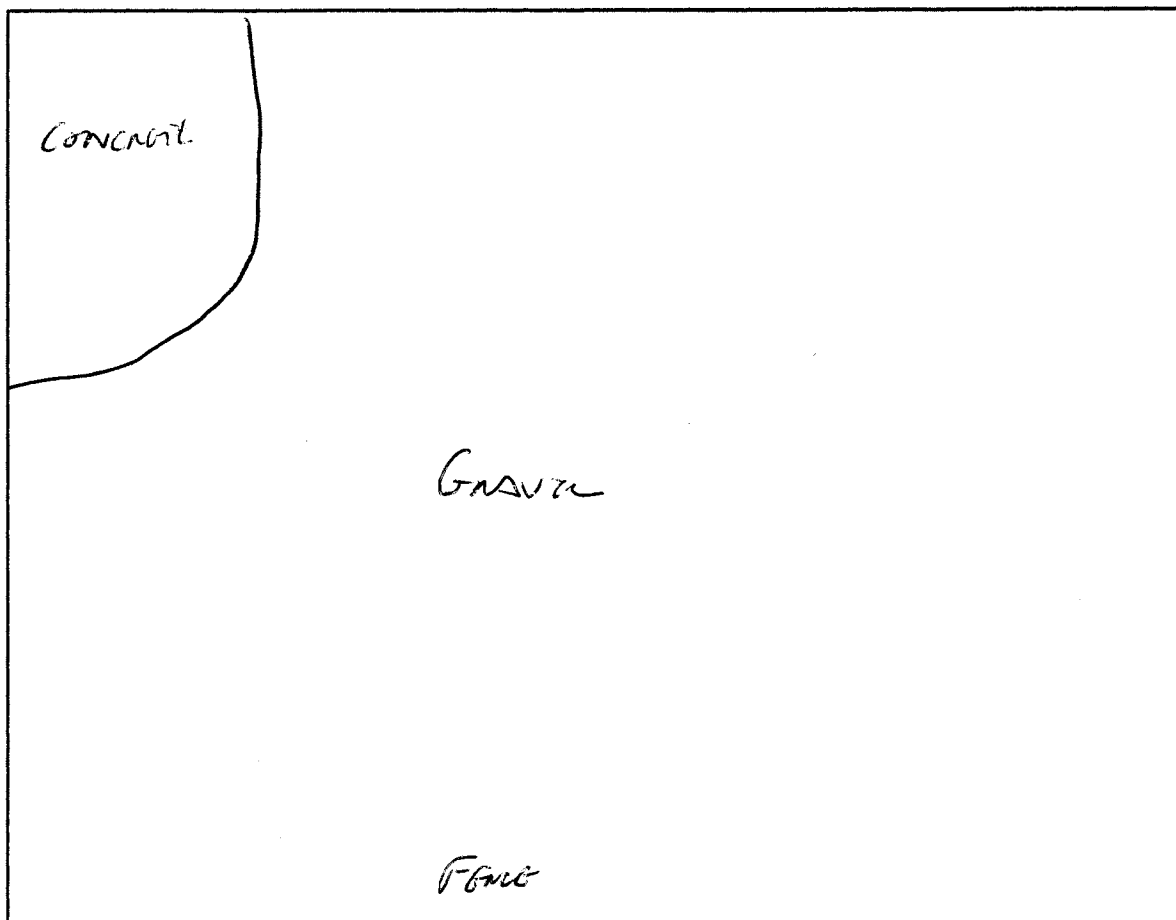
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

800+600

750+600



Grid Location: P13

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

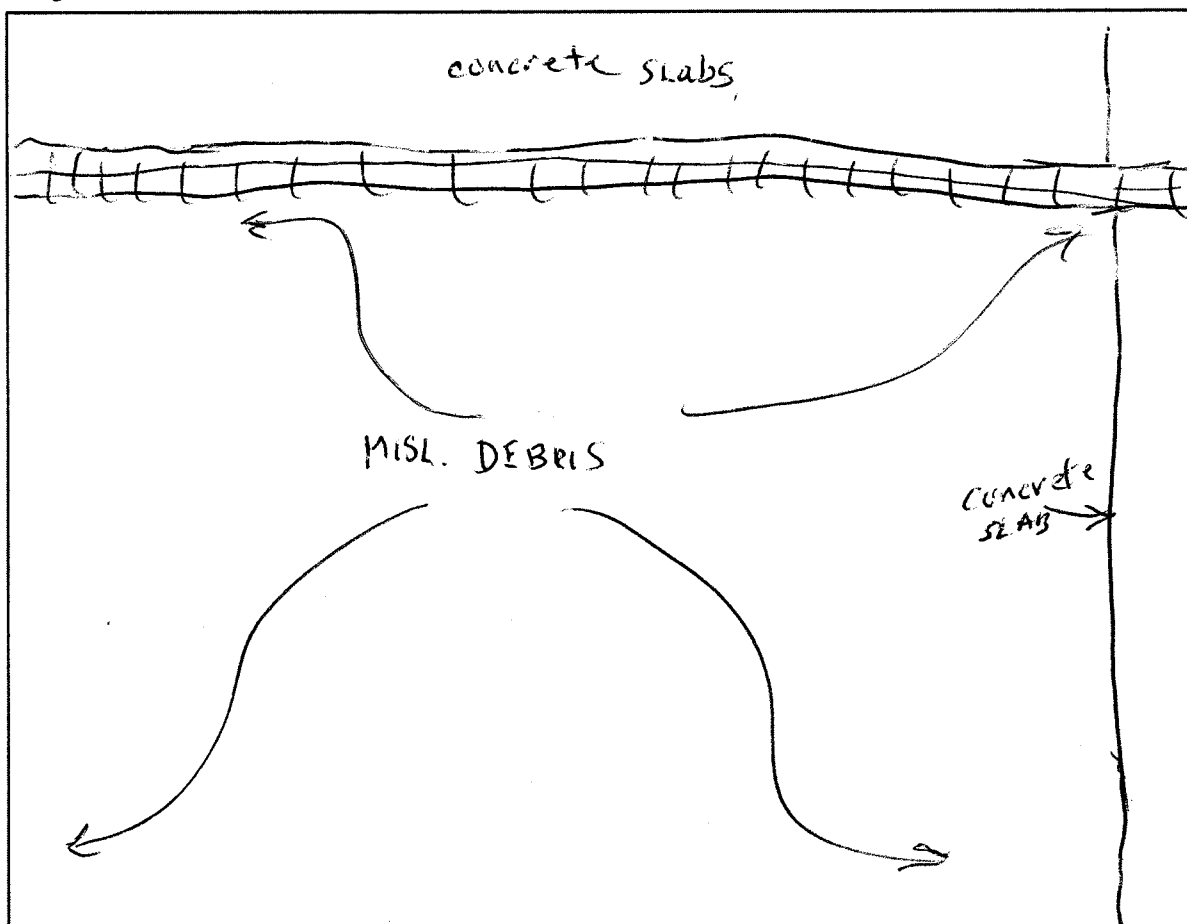
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

850+0

800+0



850+50

800+50

Grid Location: Q1

Map Coordinates: N -N E -E

Description:

PACM Identified: MISL. DEBRIS ALL SUSPECT ACM

Bulk Samples Collected: Yes No

Sample Information:

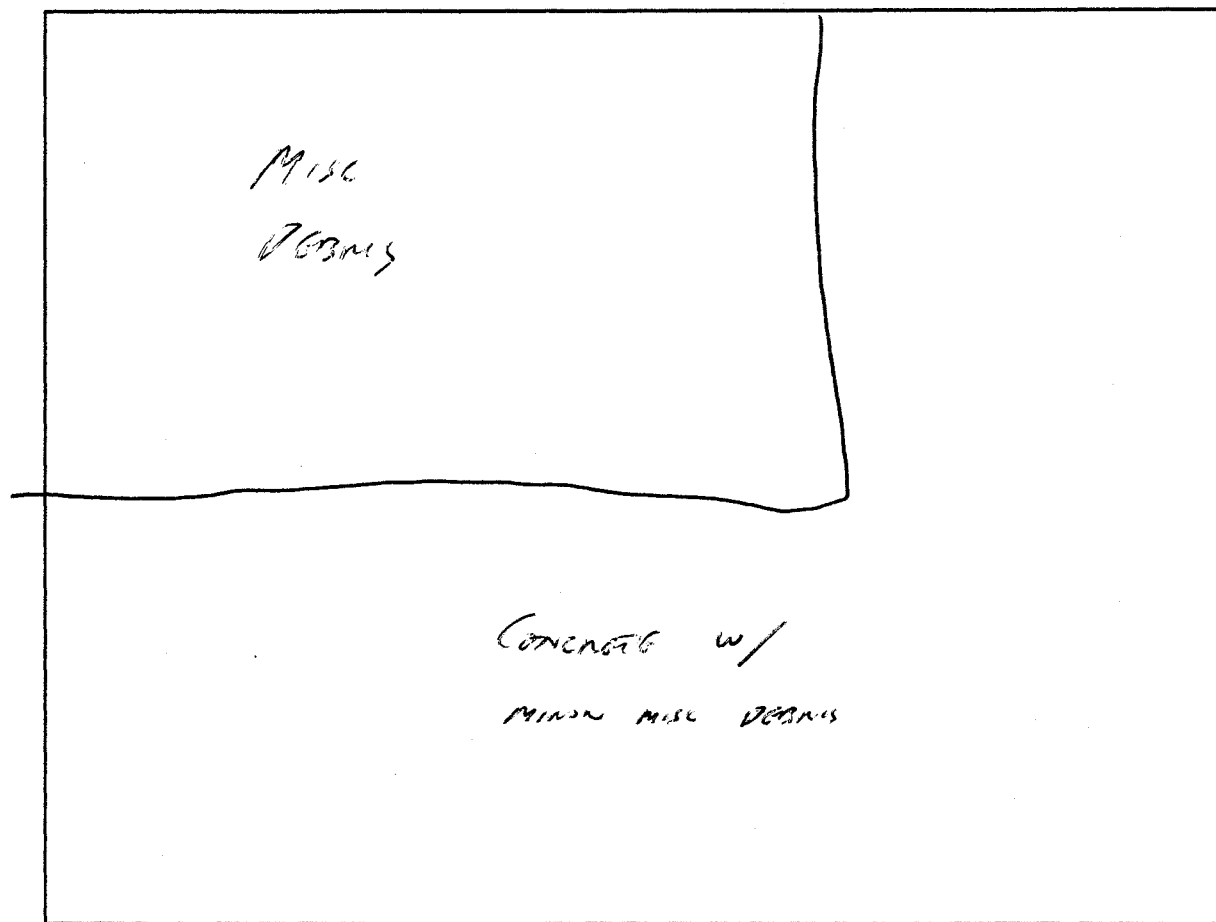
Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

850+50

800+50

N



850+100

800+100

Grid Location: Q2

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected:

Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

850-100

800-100

↑
N

CONCRETE

850-150

800-150

Grid Location: Q3

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

8506150

800+150



1
- - -
OFF-WHITE PINK
LEBRON

CONCRETE w/
MINOR MISC DEBRIS

8506200

800+200

Grid Location:

04

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: OFF-WHITE PINK LEBRON, MISC DEBRIS (500 POUNDS)

Bulk Samples Collected:

Yes

No

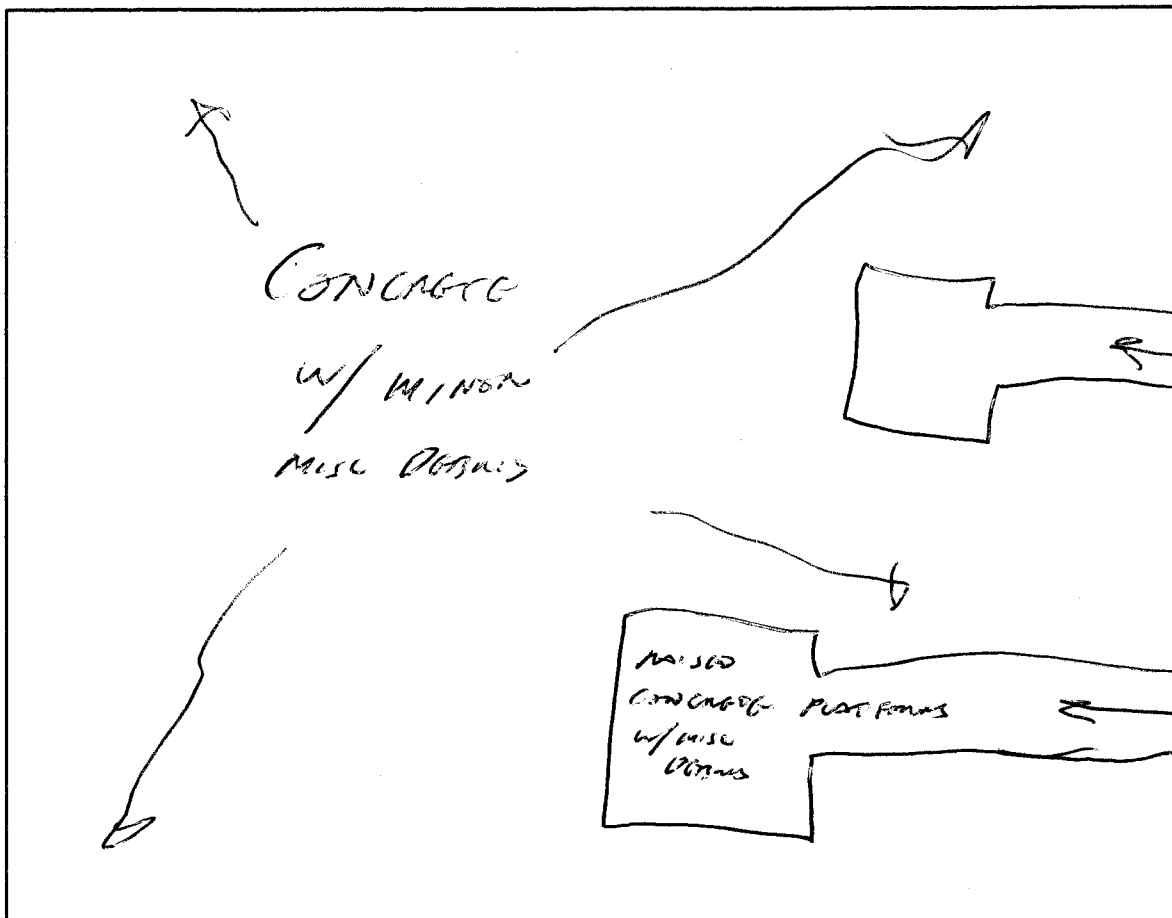
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

850+250

800+250



850+250

800+250

Grid Location:

Q5

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected:

Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

8501250

800+ 250

↑
N

~~CONCRETE~~
CONCRETE SLABS

8501300

800000

Grid Location: Q6

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

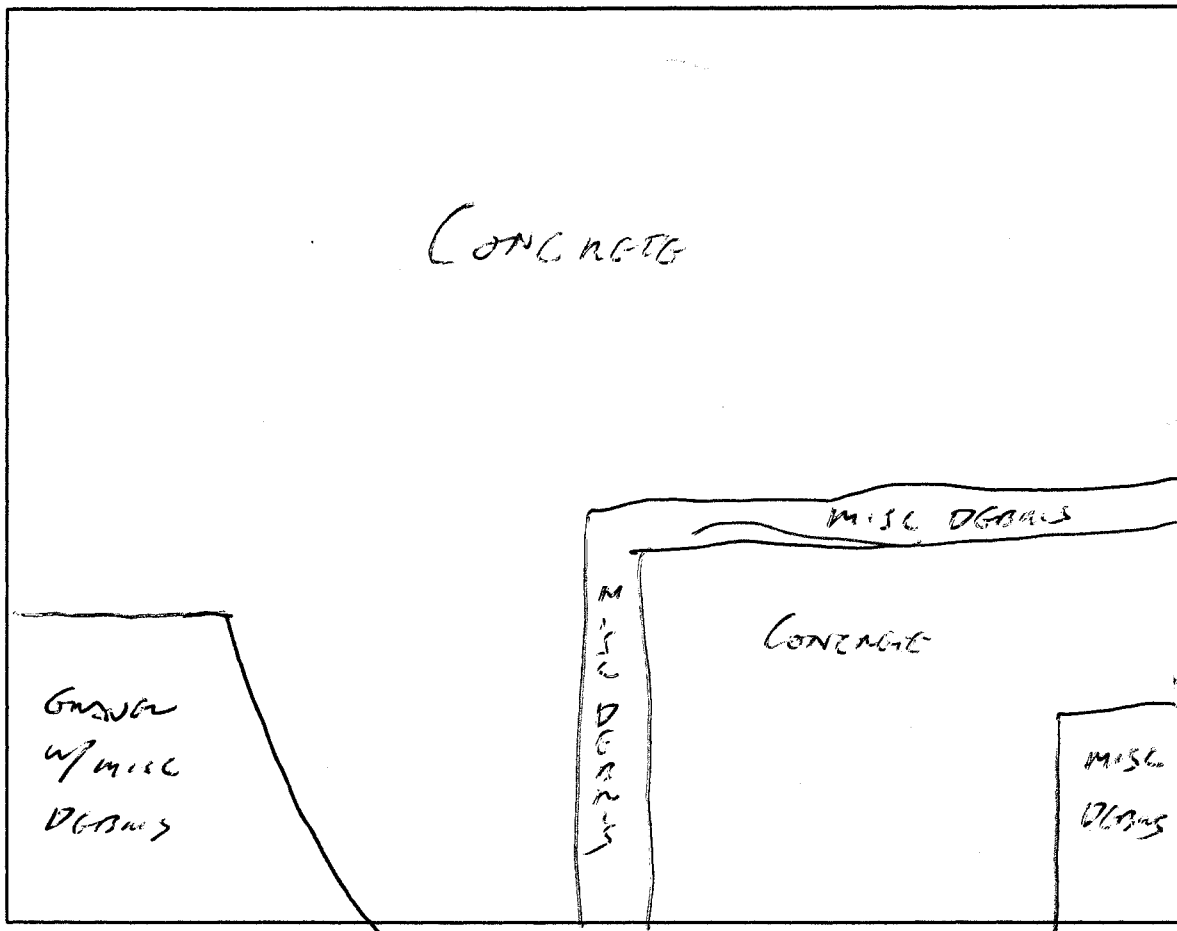
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

850
800+350

800+350
↑
N

850+350

800+350



Grid Location:

Q7

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected:

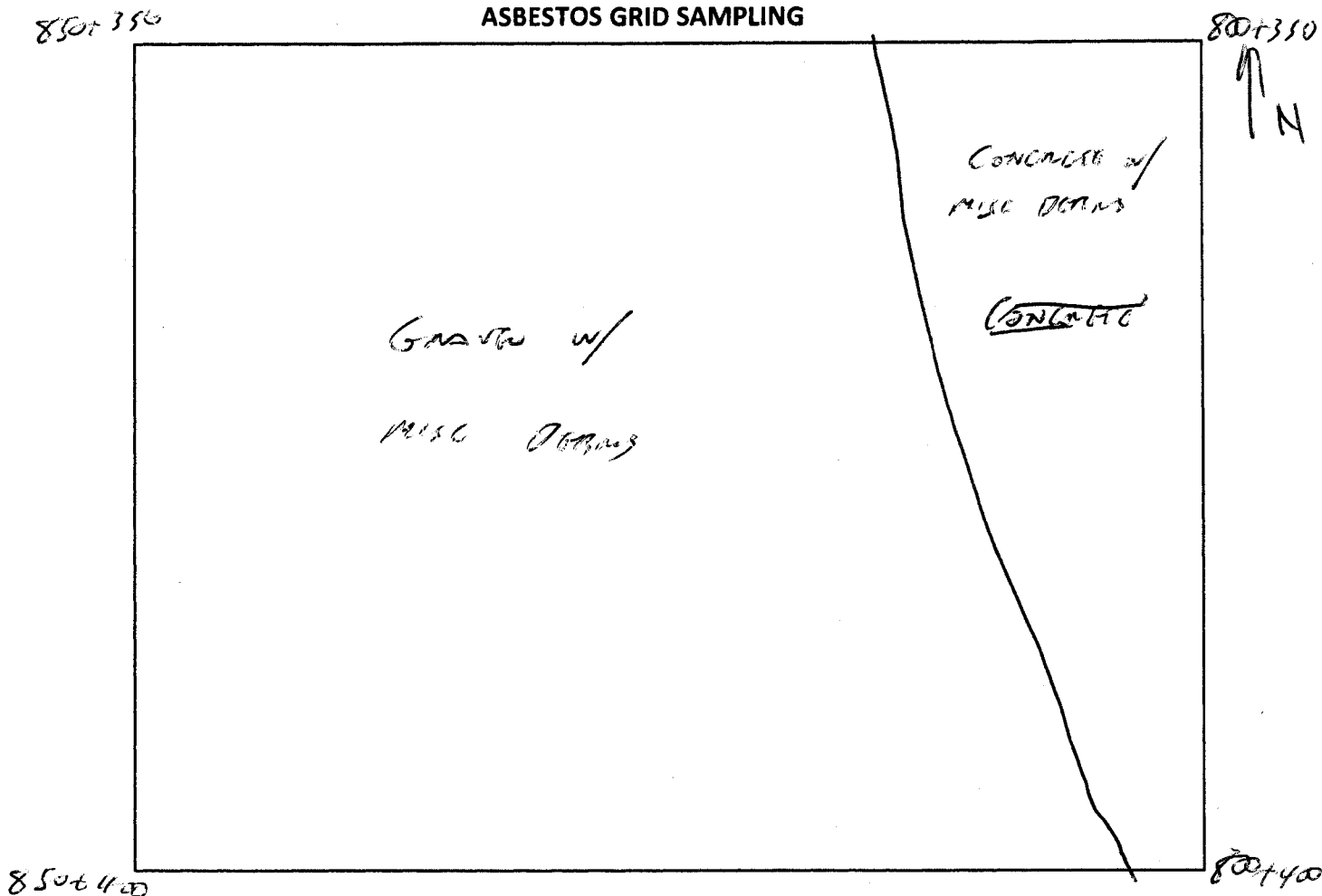
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: Q 8

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PHOTO)

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

850+48

800+400

41
N

Gravel w/
minor Misc Debris
Throughout

850+450

800+450

Grid Location: Q9

Map Coordinates: N -N E -E

Description:

PACM Identified: Misc Debris (See Photo)

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

850+450

800+450

↑
N

Gravel w/
minor misc debris
throughout

850
+
500

800+500

Grid Location: Q10

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: misc debris (SFC Pav)

Bulk Samples Collected:

Yes

No

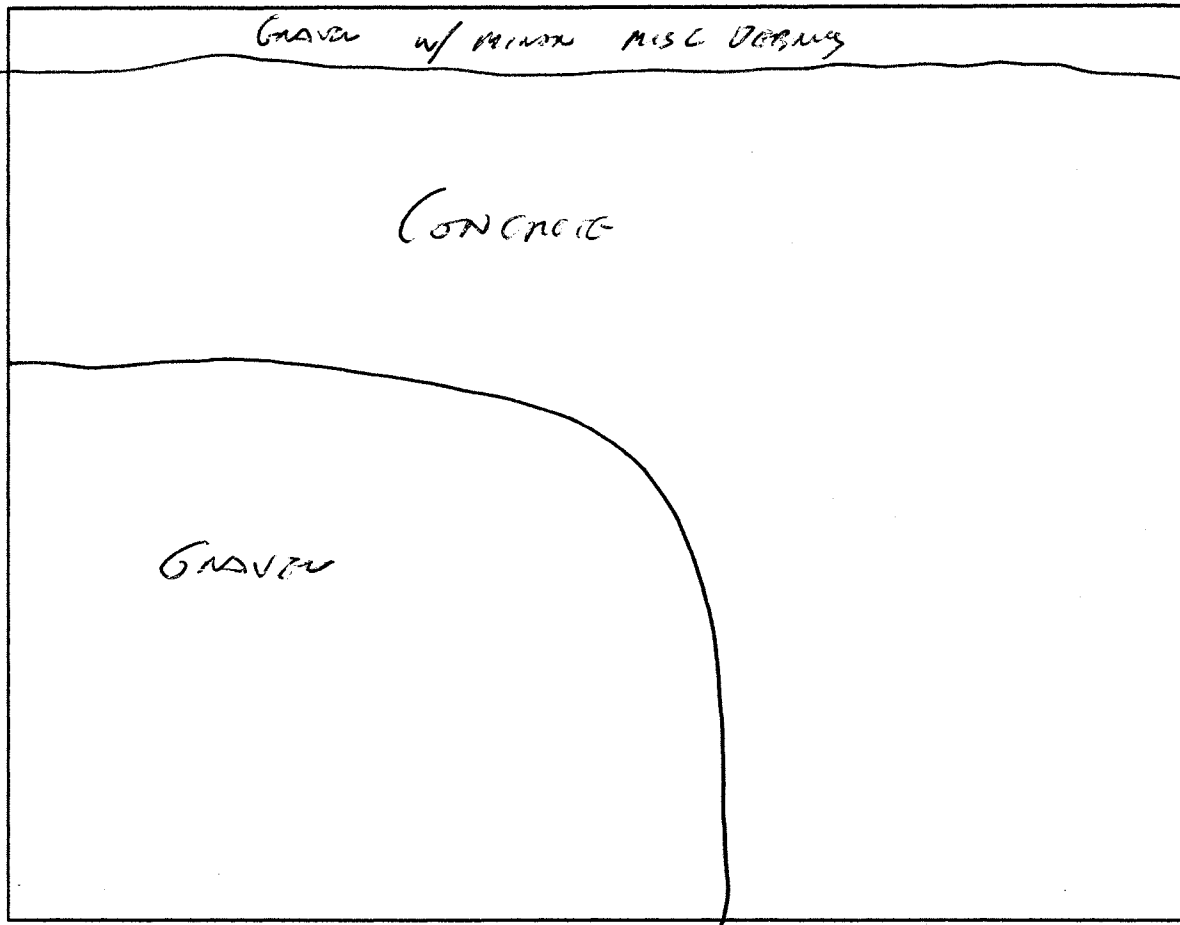
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

850+500

800+500



850+550

800+550

Grid Location: Q11

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected: Yes ☒ No

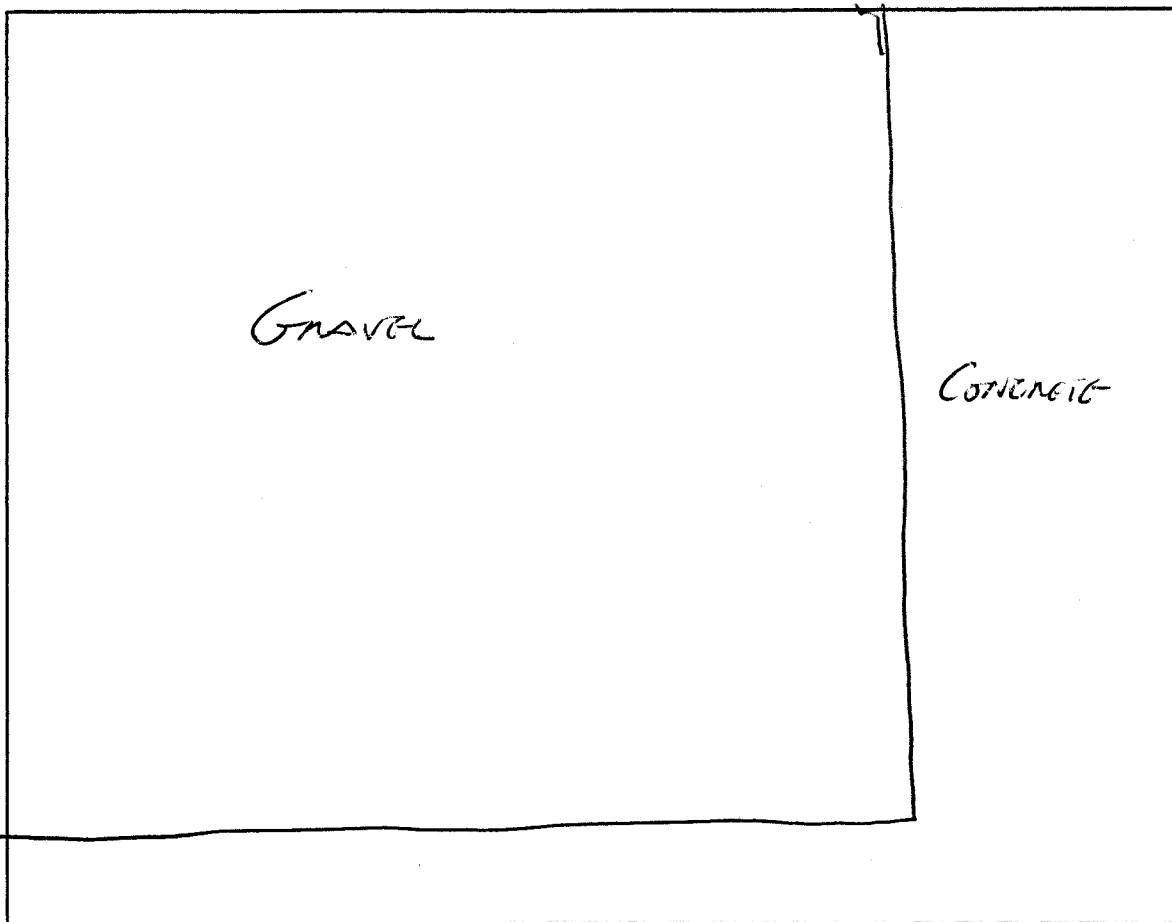
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

850+550

800+550



850+600

800+600

Grid Location: Q12

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

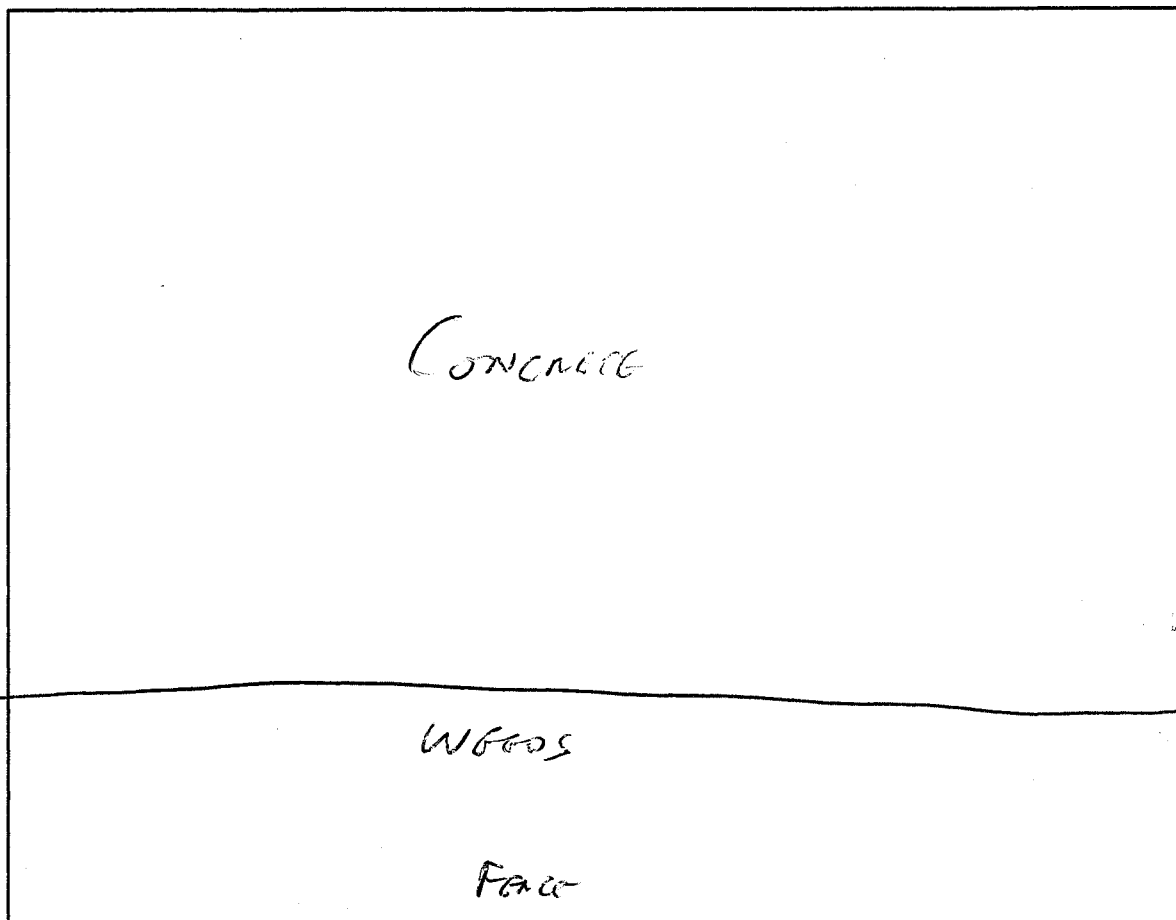
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

850+60

800+60



Grid Location:

Q13

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

Sample Information:

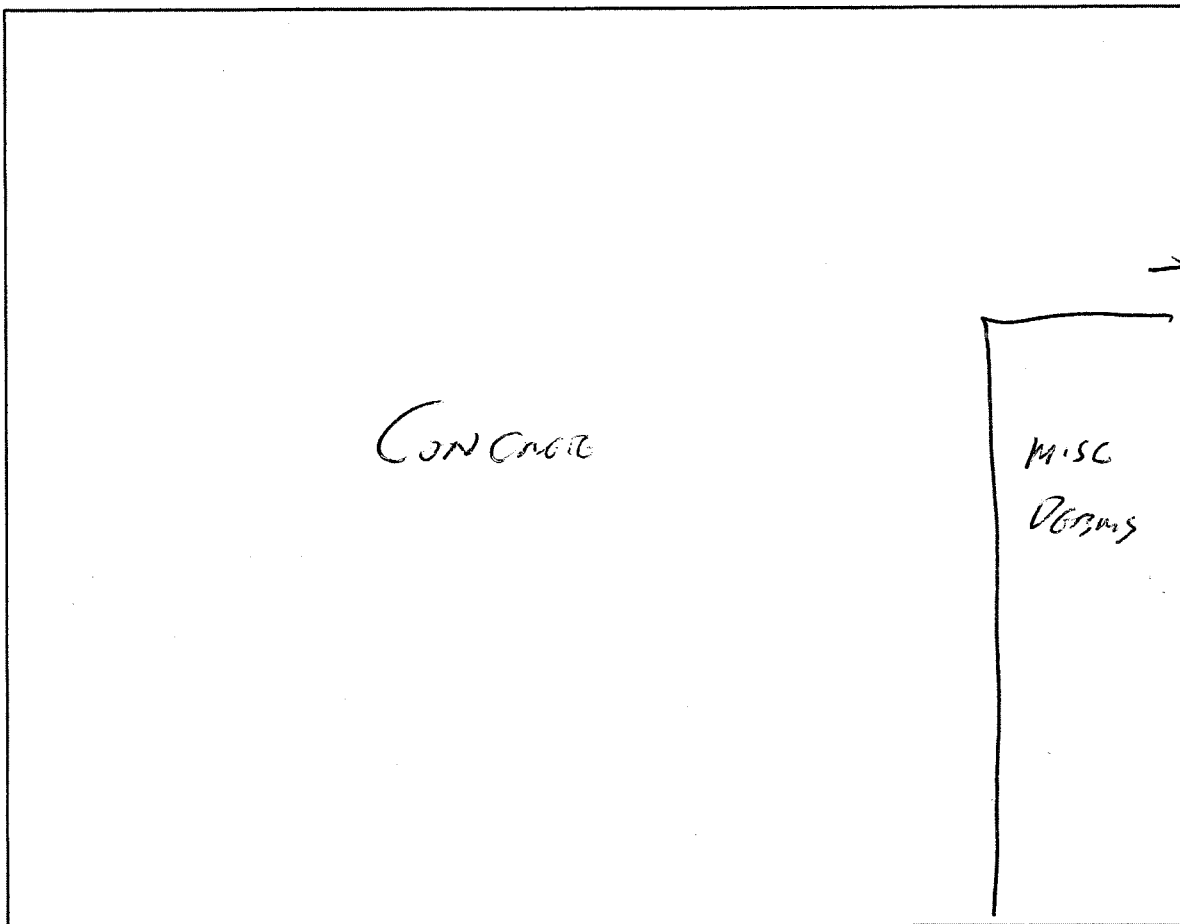
Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

92010

850+0

↑
N



920160

850+50

Grid Location: R1 Map Coordinates: N -N E -E

Description:

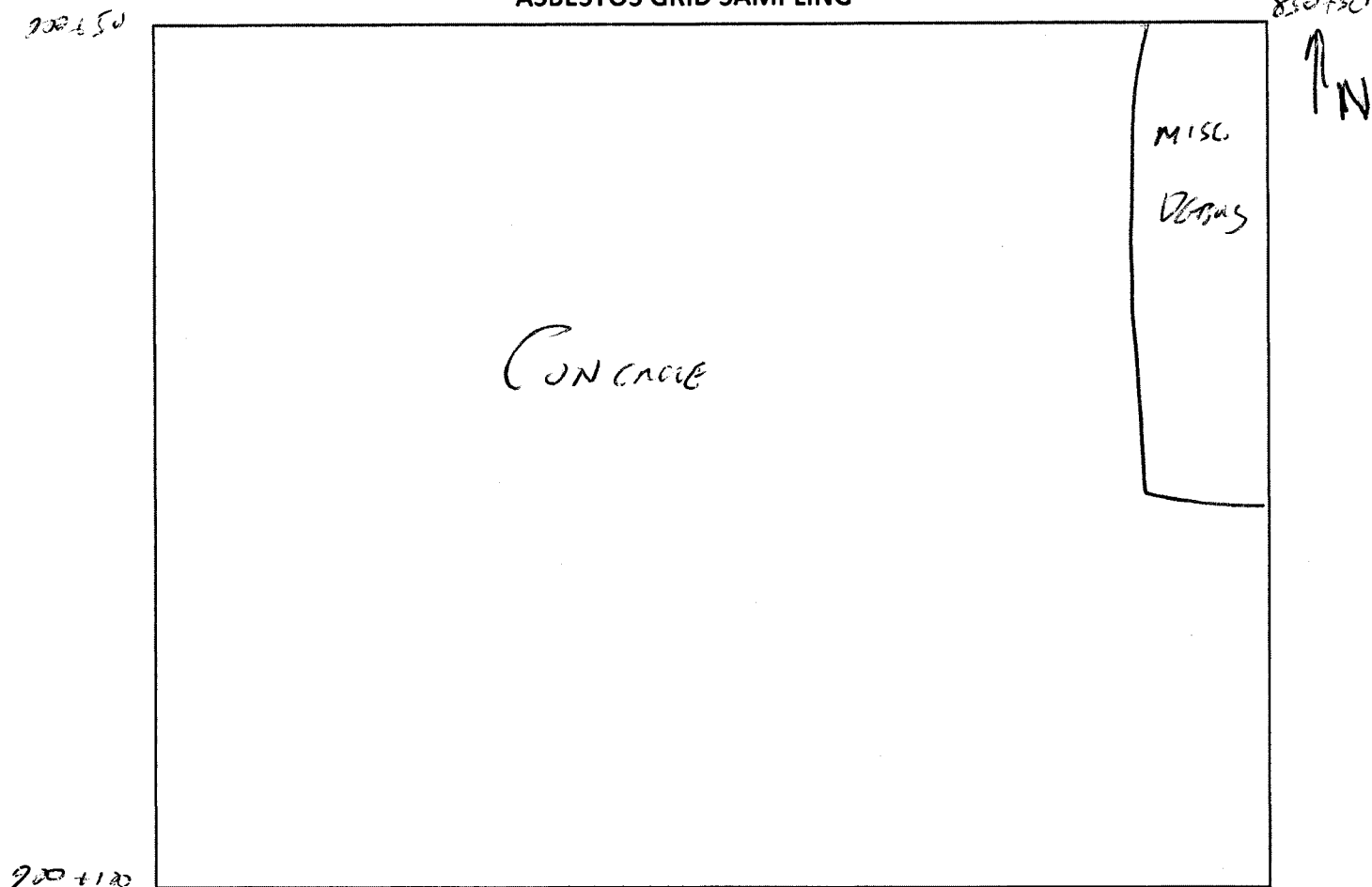
PACM Identified: MISC DEBRIS (See Previous)

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: *N2*

Map Coordinates: N -N E -E

Description:

PACM Identified: *MISC DEBRIS (SEE PREVIOUS)*

Bulk Samples Collected: Yes No

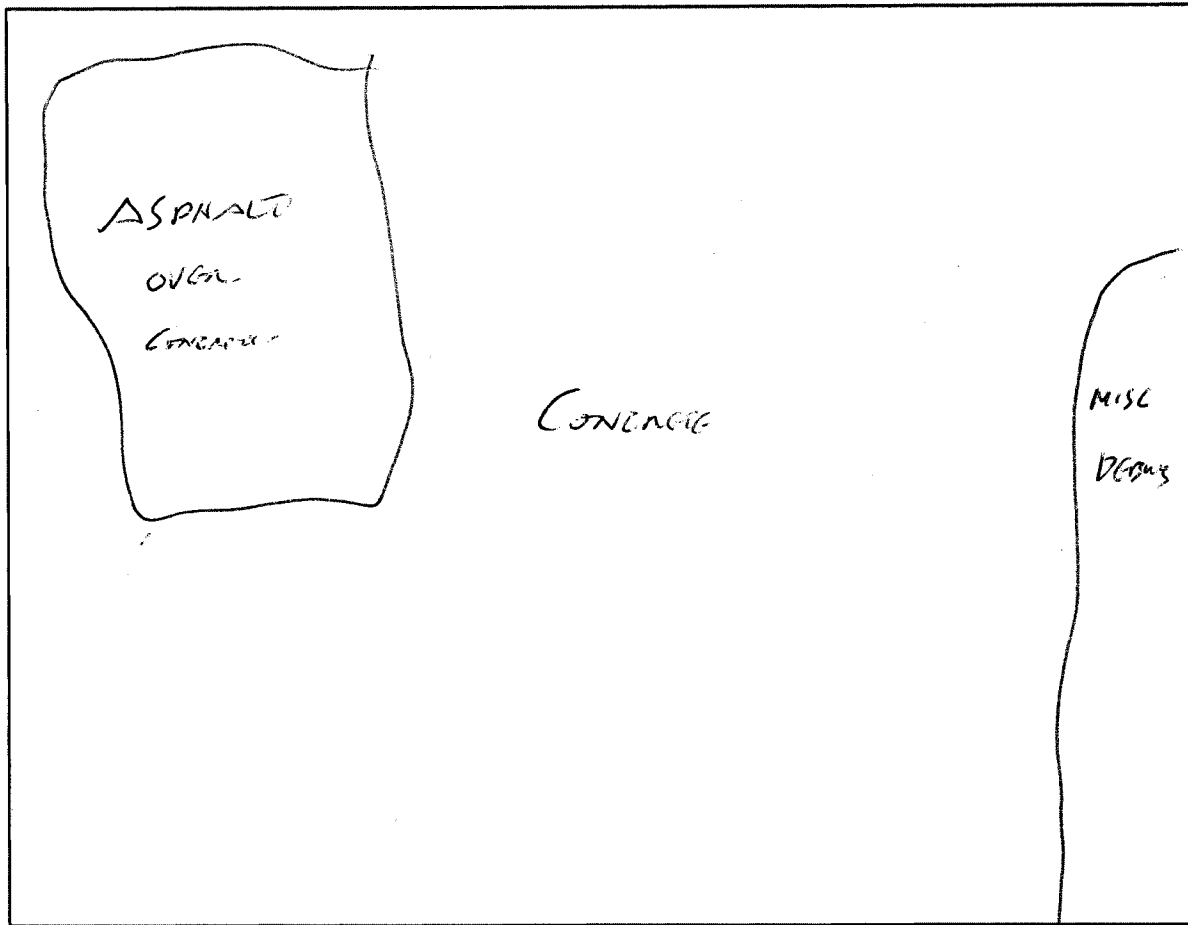
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

70+100

850+100



70+150

Grid Location:

N3

Map Coordinates: N

-N

E

-E

850+150

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS)

Bulk Samples Collected:

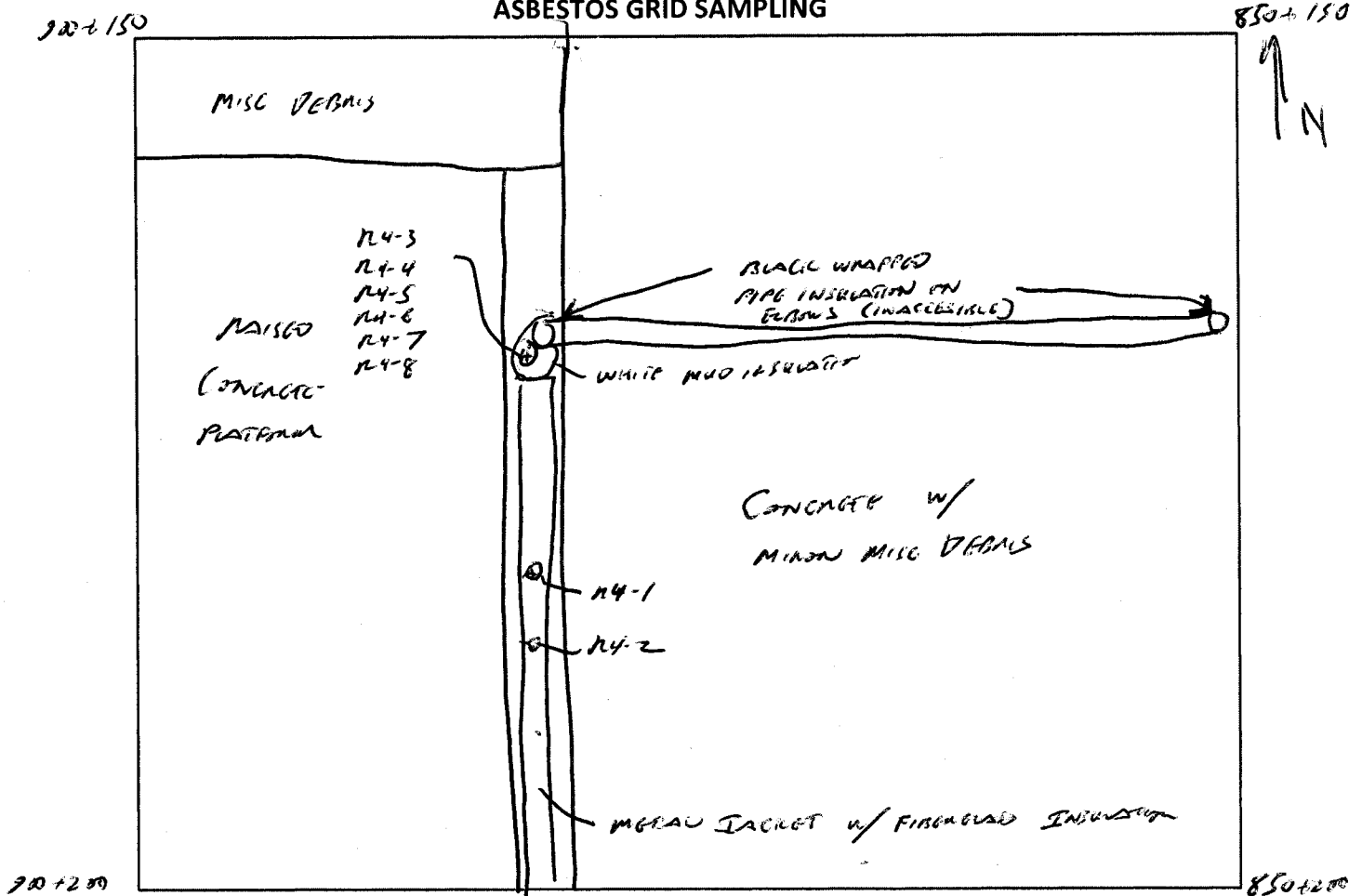
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: N4

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS), GRAY CAULK AROUND METAL FIBERGLASS JACKET
WHITE MUD INSULATION, SILVER BACKING TO FIBERGLASS, BLACK WRAPPED PIPE INSULATION
ON ELBOWS

Bulk Samples Collected:

Yes

No

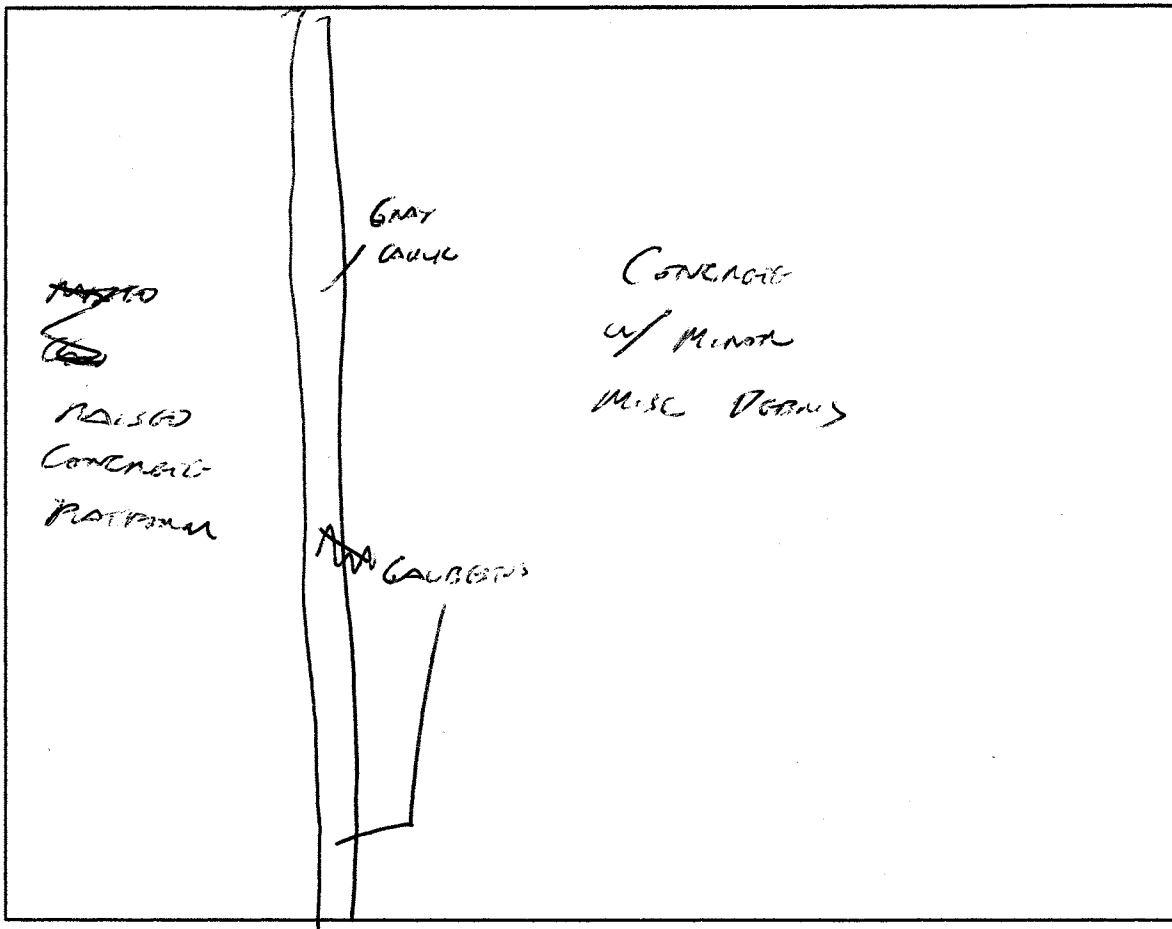
Sample Information:

Sample Number	Date	Time	Description
N4-1	11/7/13	16:00	GRAY PIPE SEAM CAULK
N4-2	↓		↓
N4-3	11/8/13	12:25	WHITE MUD INSULATION
N4-4		↓	↓
N4-5		↓	↓
N4-6		12:35	SILVER BACKING TO FIBERGLASS INSULATION
N4-7		↓	↓
N4-8		↓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

900+200

850+200



Grid Location: R 5

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS (SEE PREVIOUS), CALCIBEST, GRAY CAULK around
MIDLAND FINANCIAL TOWER

Bulk Samples Collected: Yes No

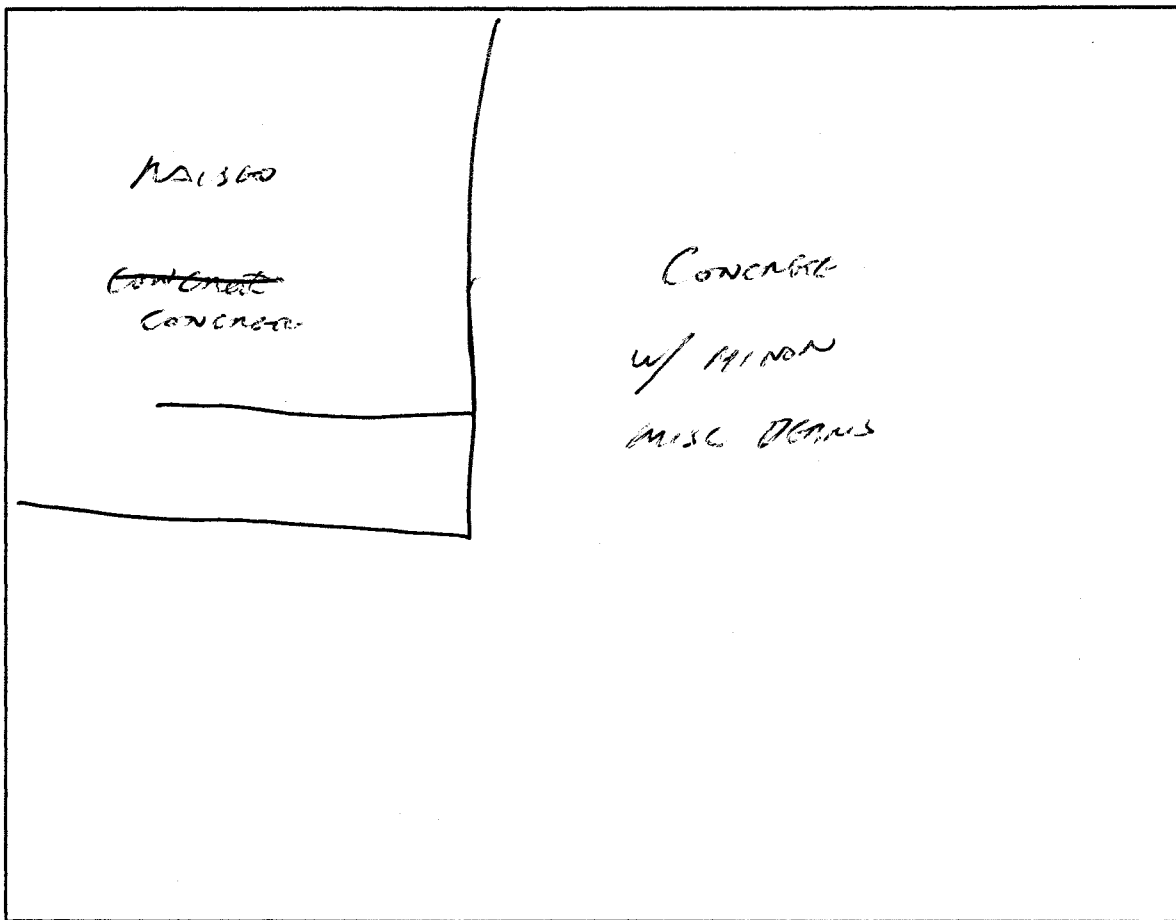
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

901250
28150

851250



901300

851300

Grid Location: 28150

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: MISC DEBRIS (S60-100 Provenance)

Bulk Samples Collected:

Yes

No

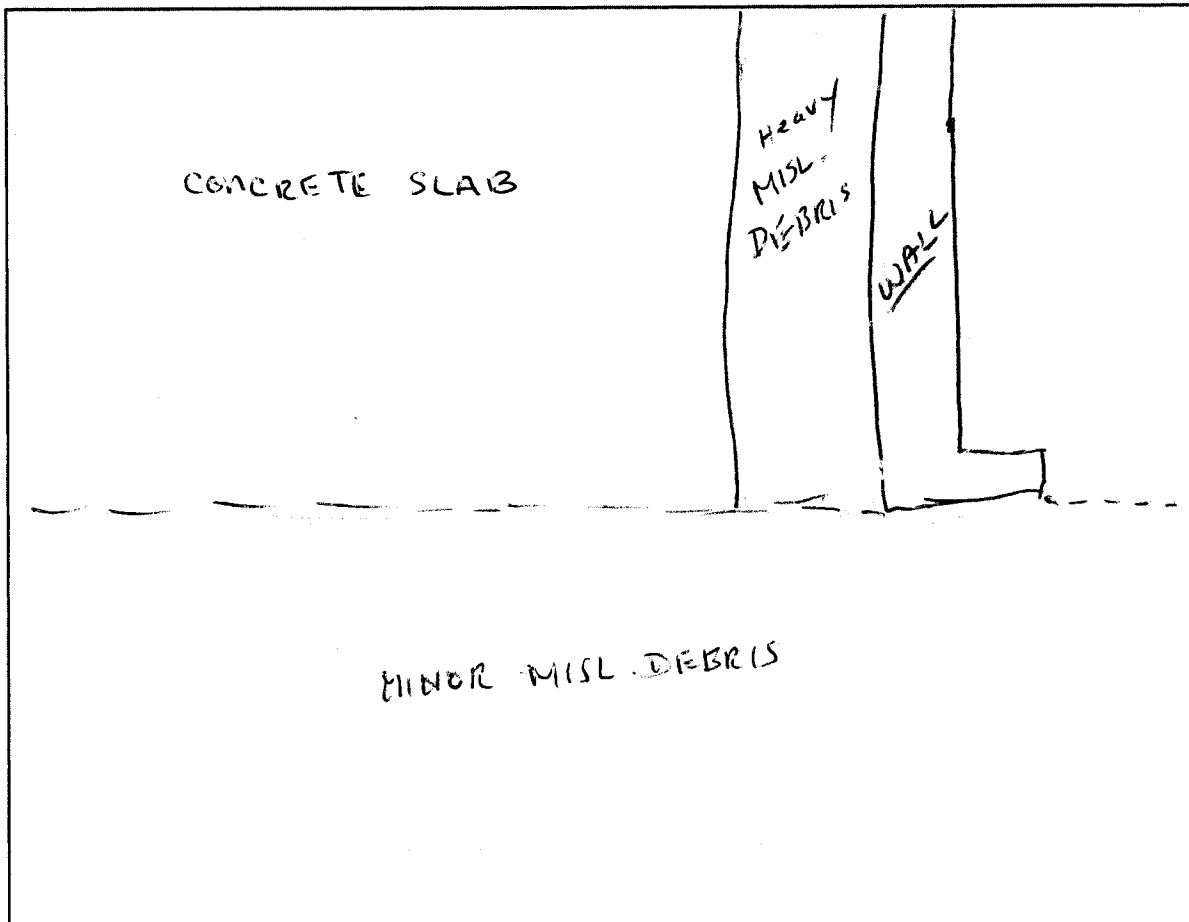
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

900+300

850+300



900+350

Grid Location: R7

Map Coordinates: N

-N

E

-E 850+350

Description:

PACM Identified: MISL. DEBRIS

Bulk Samples Collected:

Yes

No

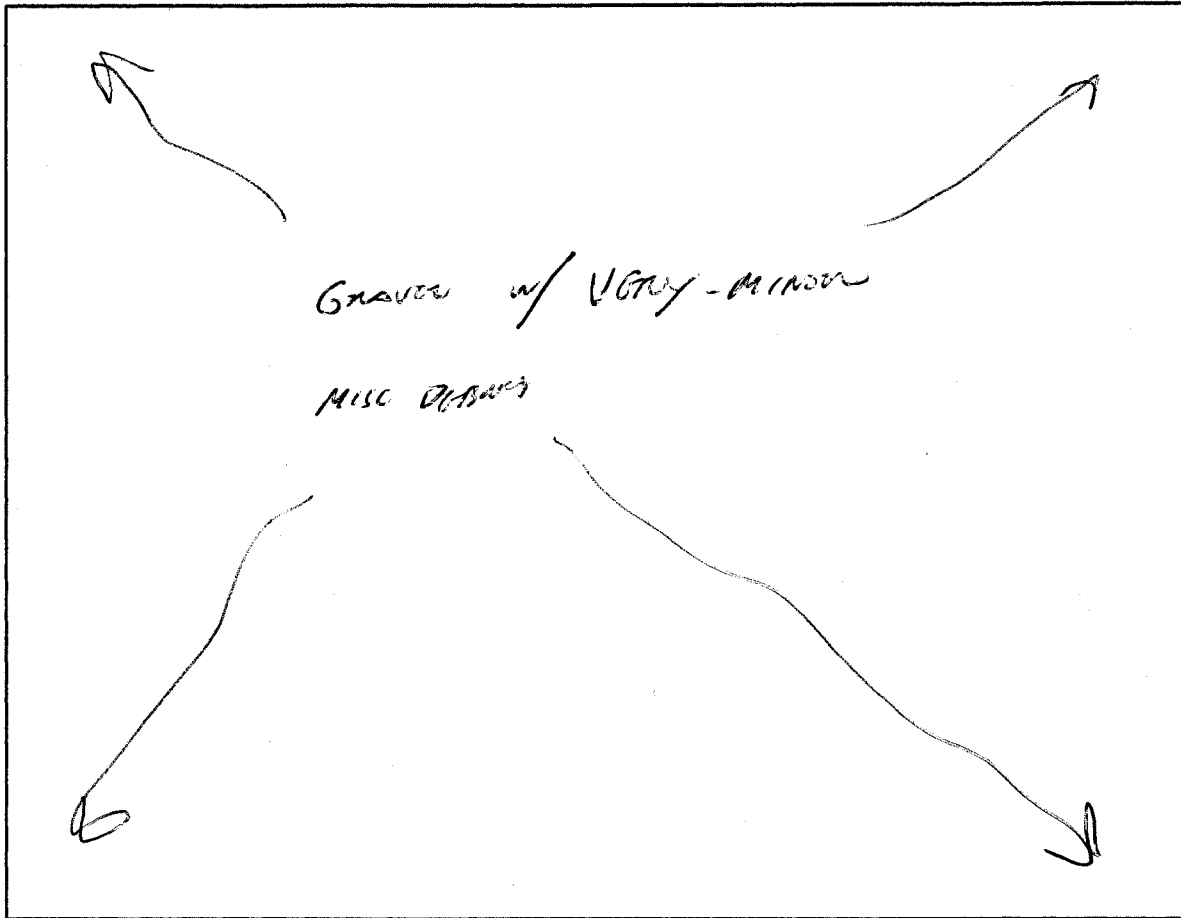
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

950+350

850+350



N

950+400

850+400

Grid Location: NE

Map Coordinates: N -N E -E

Description:

PACM Identified: MISC DEBRIS 1500 Pcs

Bulk Samples Collected: Yes No

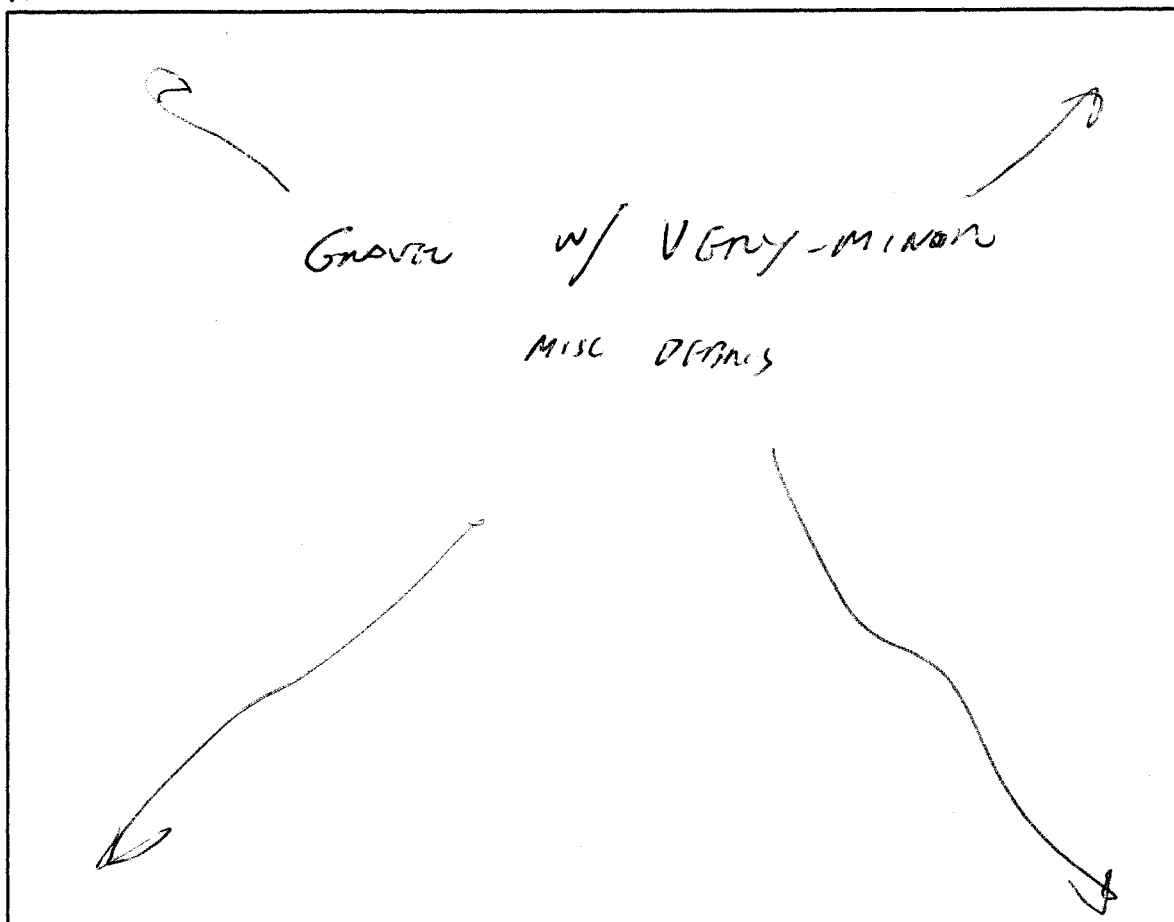
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

900+400

850+400



850+450

Grid Location: *29*

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: *MISC DEBRIS (SEE PREVIOUS)*

Bulk Samples Collected:

Yes

No

Sample Information:

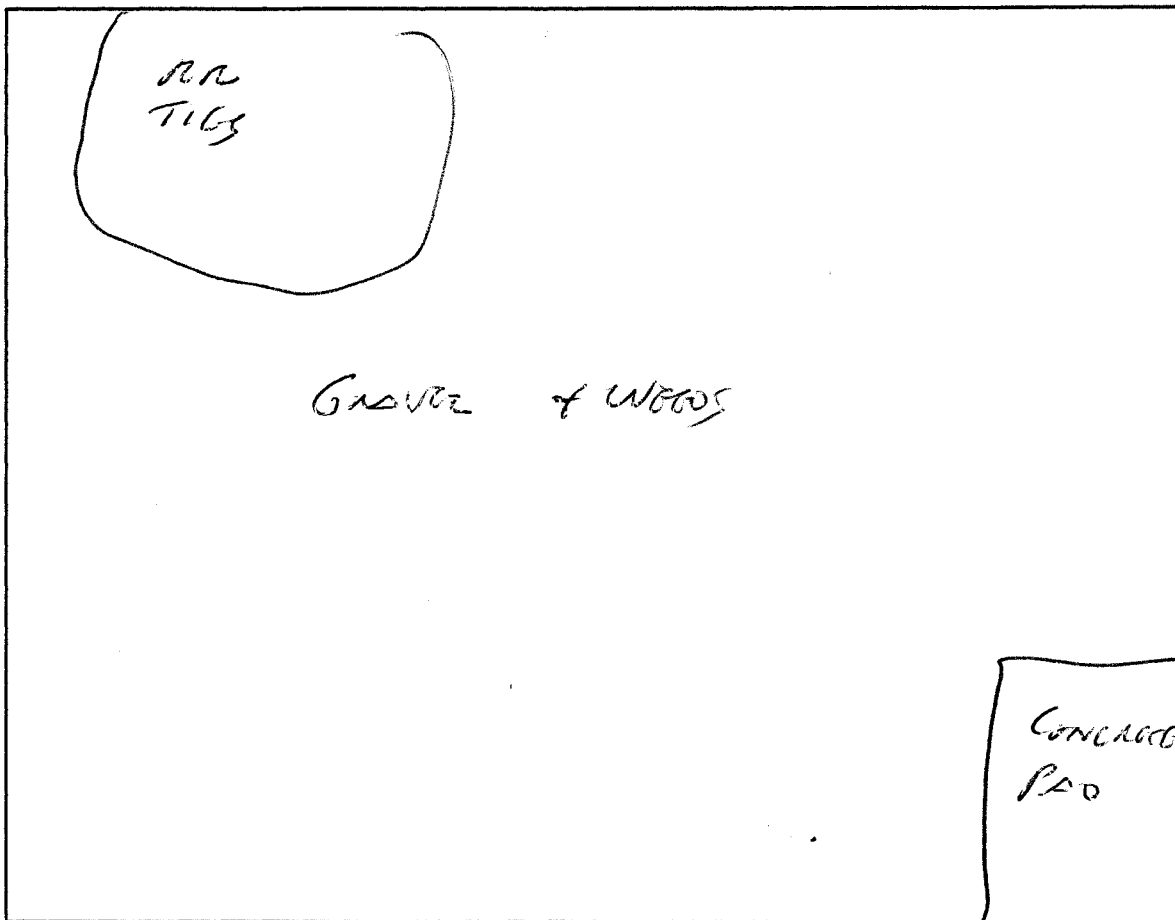
Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

900+450

850+450

↑ N



900+500

850+500

Grid Location: R10

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

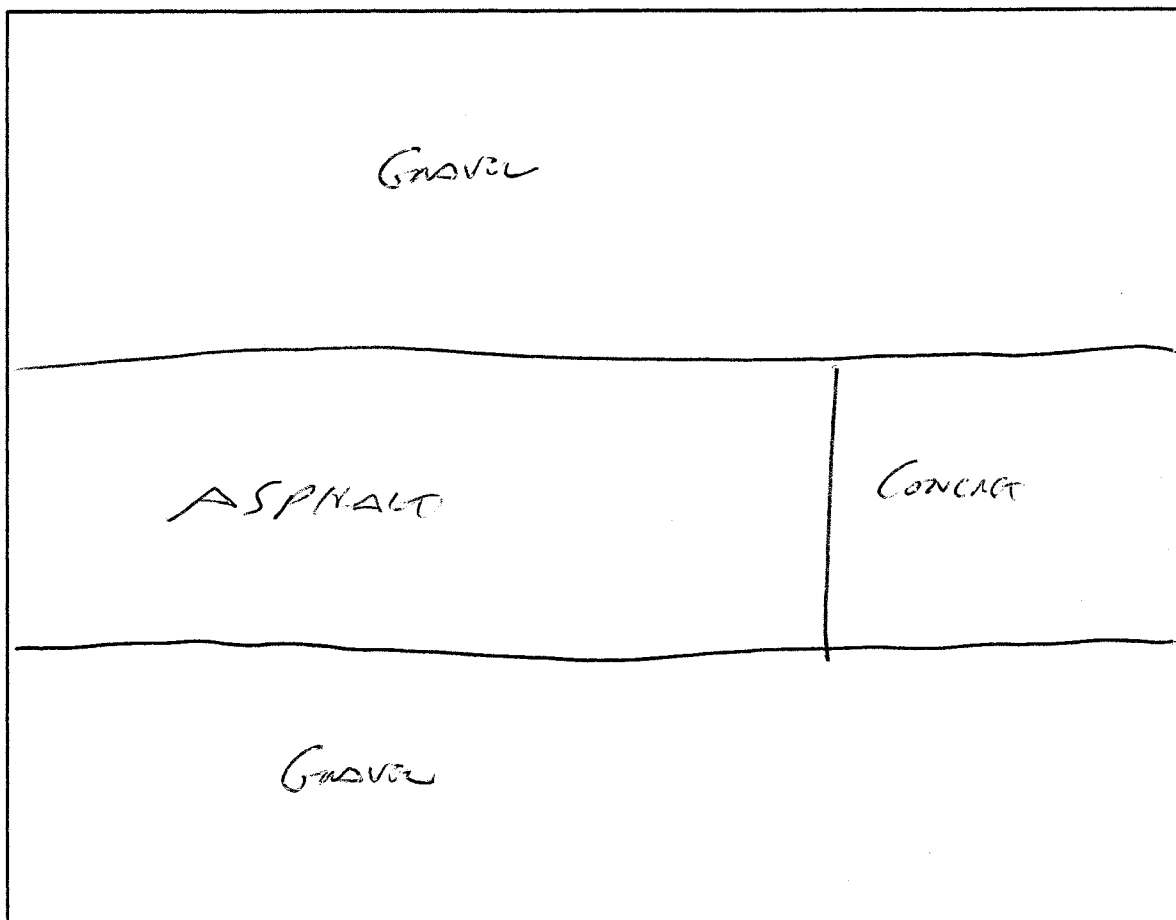
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

900550

850-500



900550

850-550

Grid Location:

211

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

Sample Information:

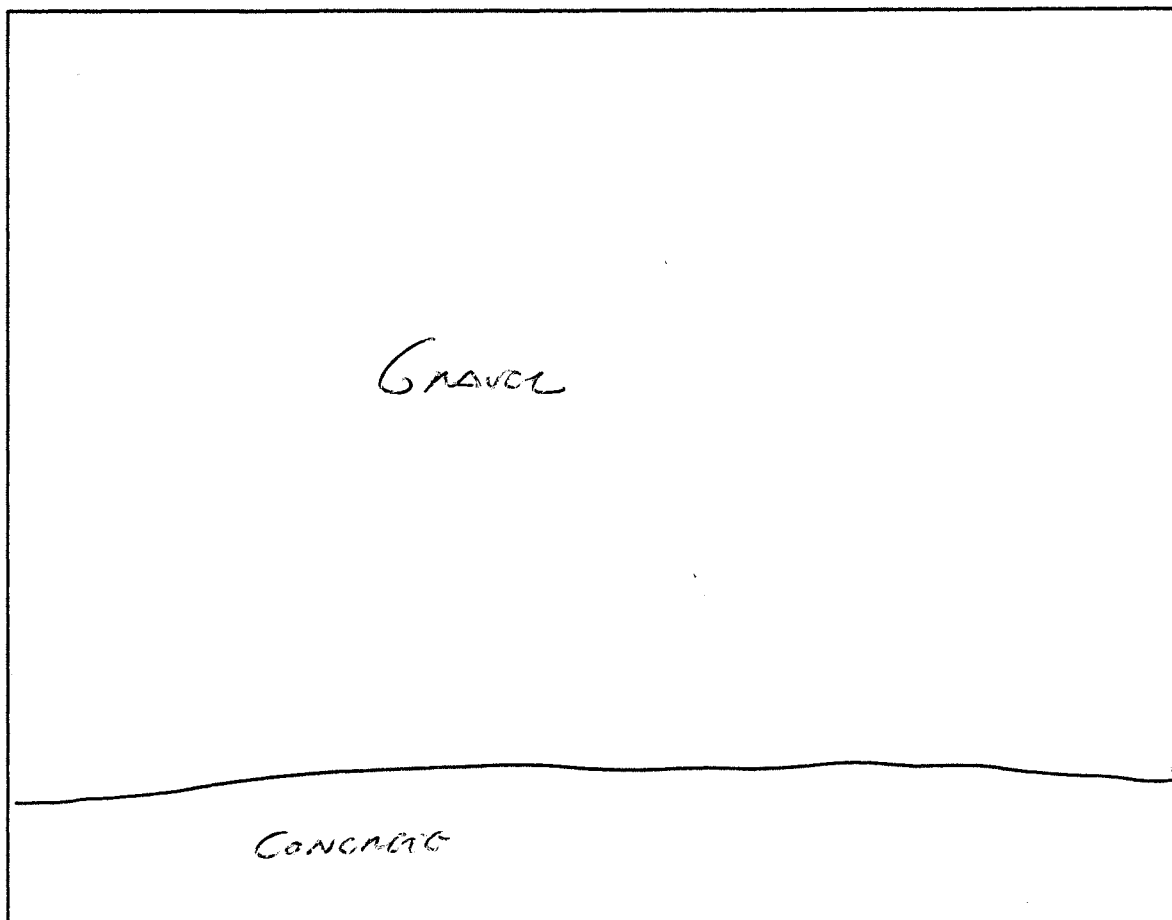
Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

90+50

850+550

↑
N



90+60

850+60

Grid Location: R12

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

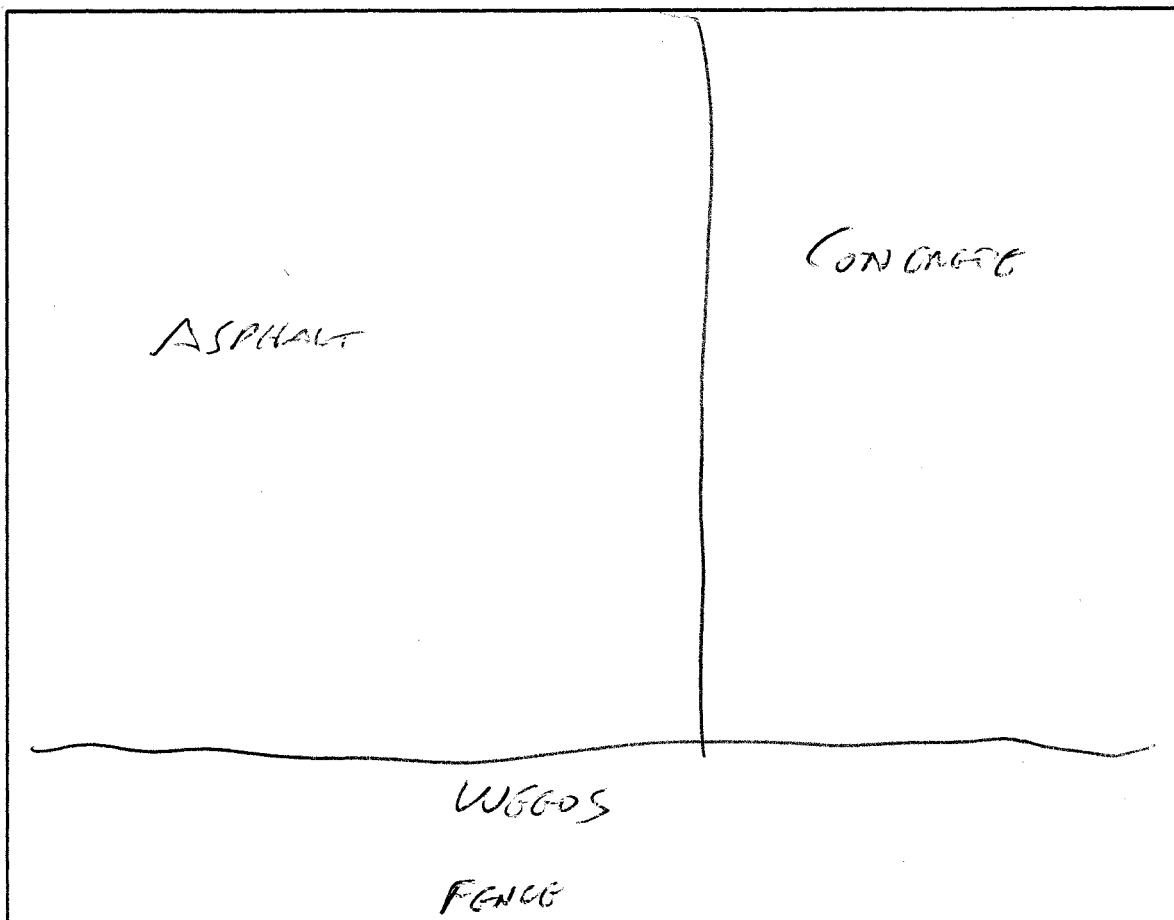
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

950+600

850+600



Grid Location: 0013

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

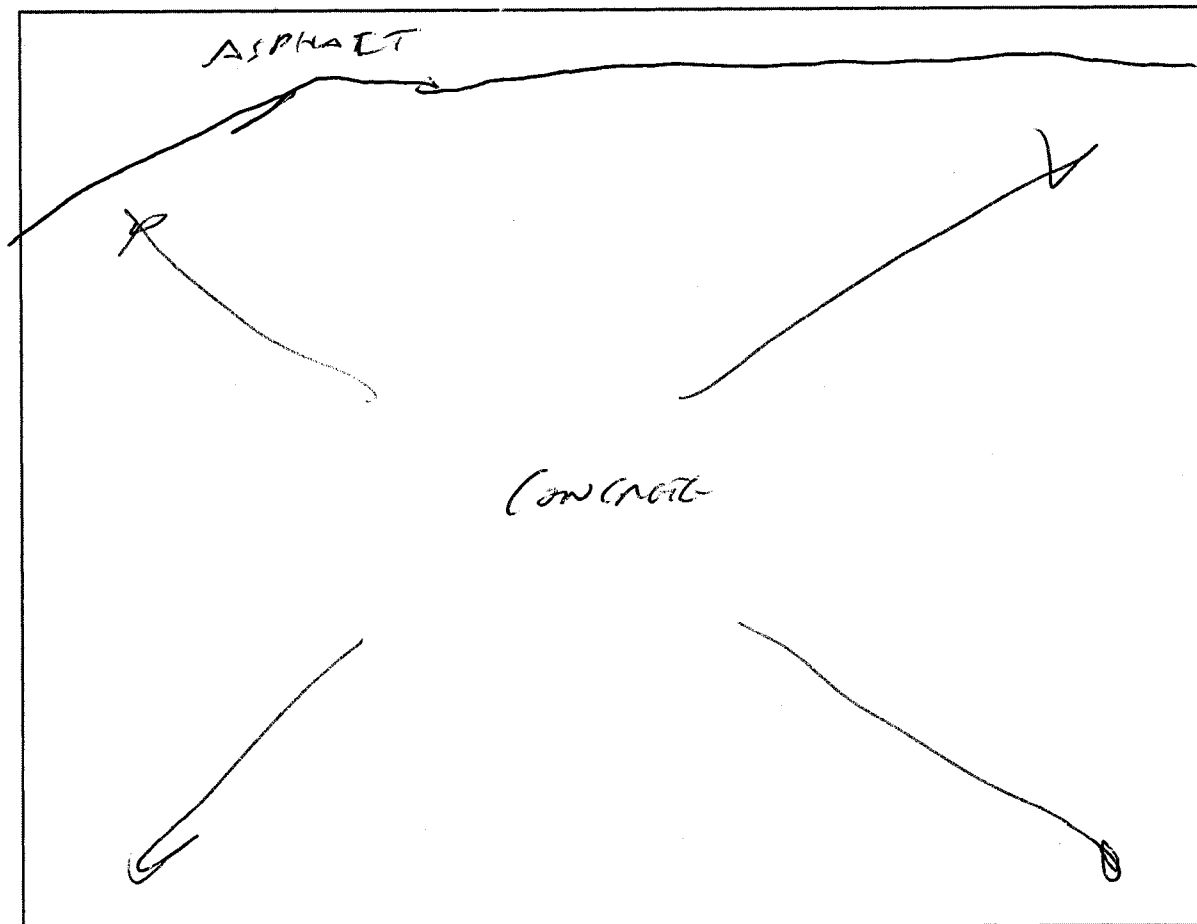
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

950+0

90+0



950+50

90+50

Grid Location: 51

Map Coordinates: N -N E -E

Description:

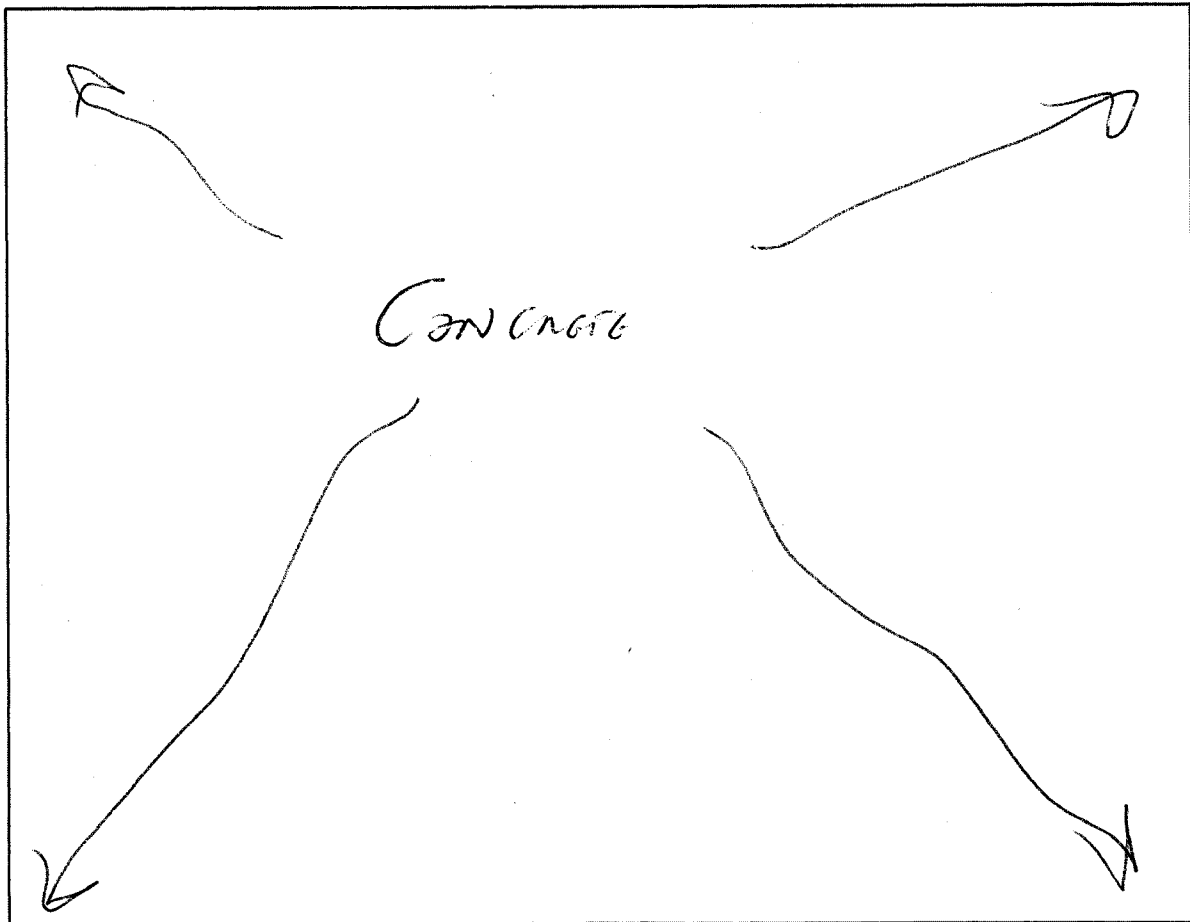
PACM Identified:

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location:

52

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

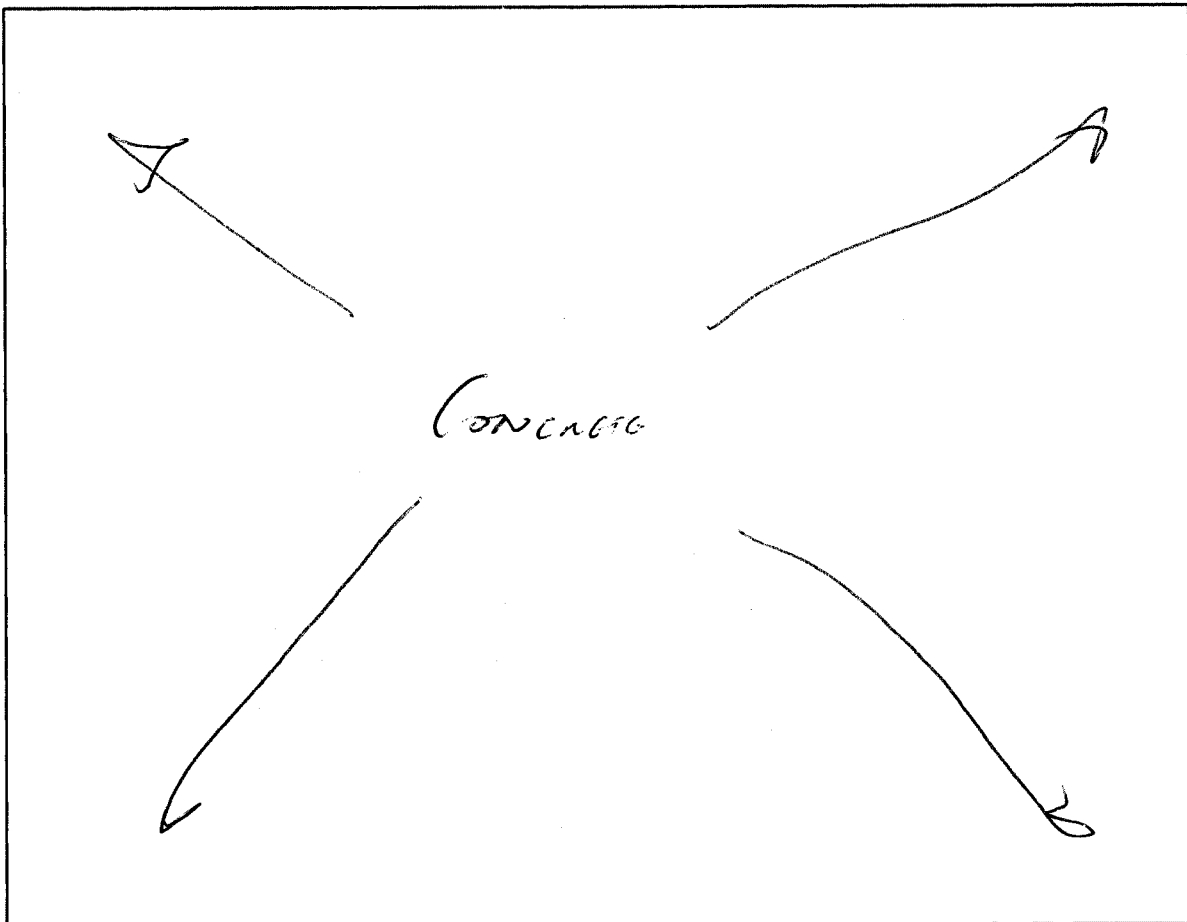
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

950+100

950+100



950+150

~~950+150~~

950+150

Grid Location: 53

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

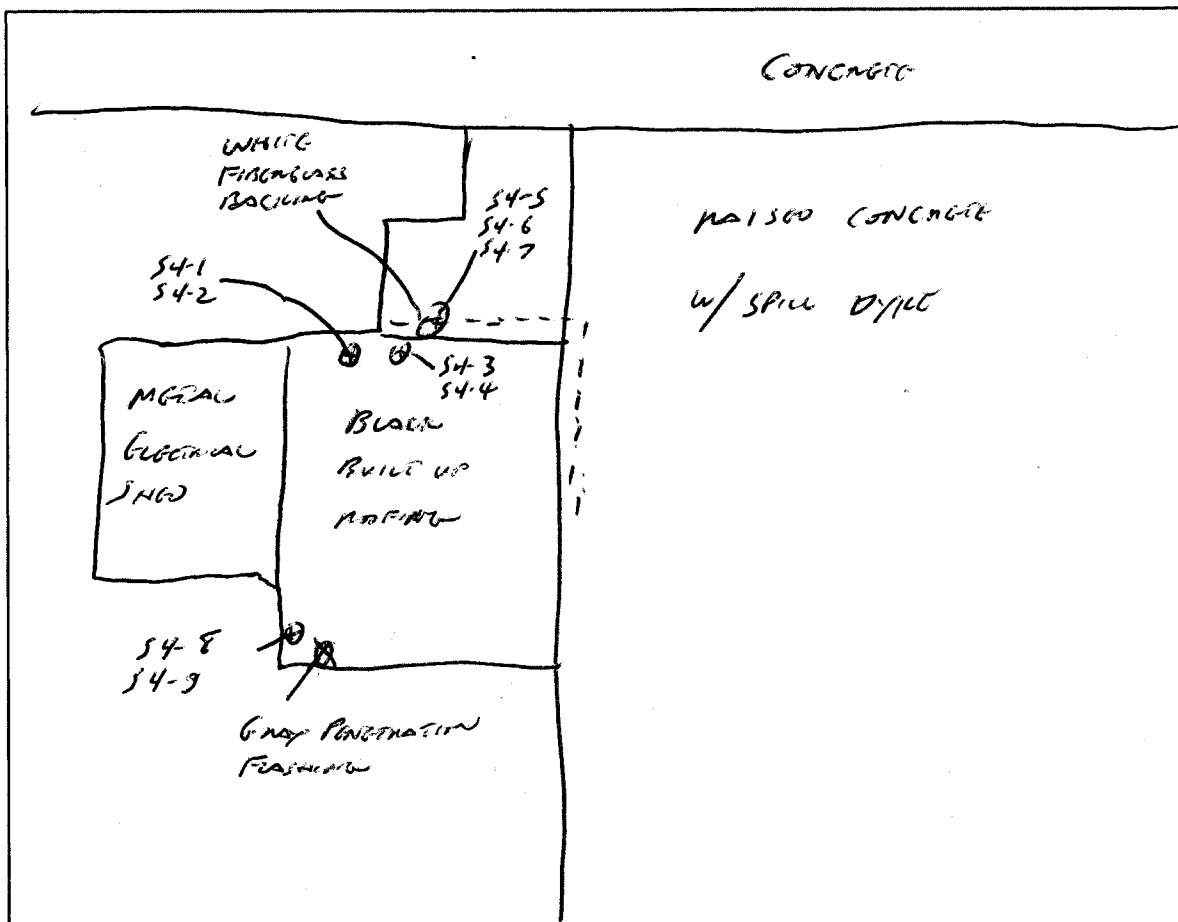
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

9501150

9501150



9501200

9501200

Grid Location: S4

Map Coordinates: N -N E -E

Description:

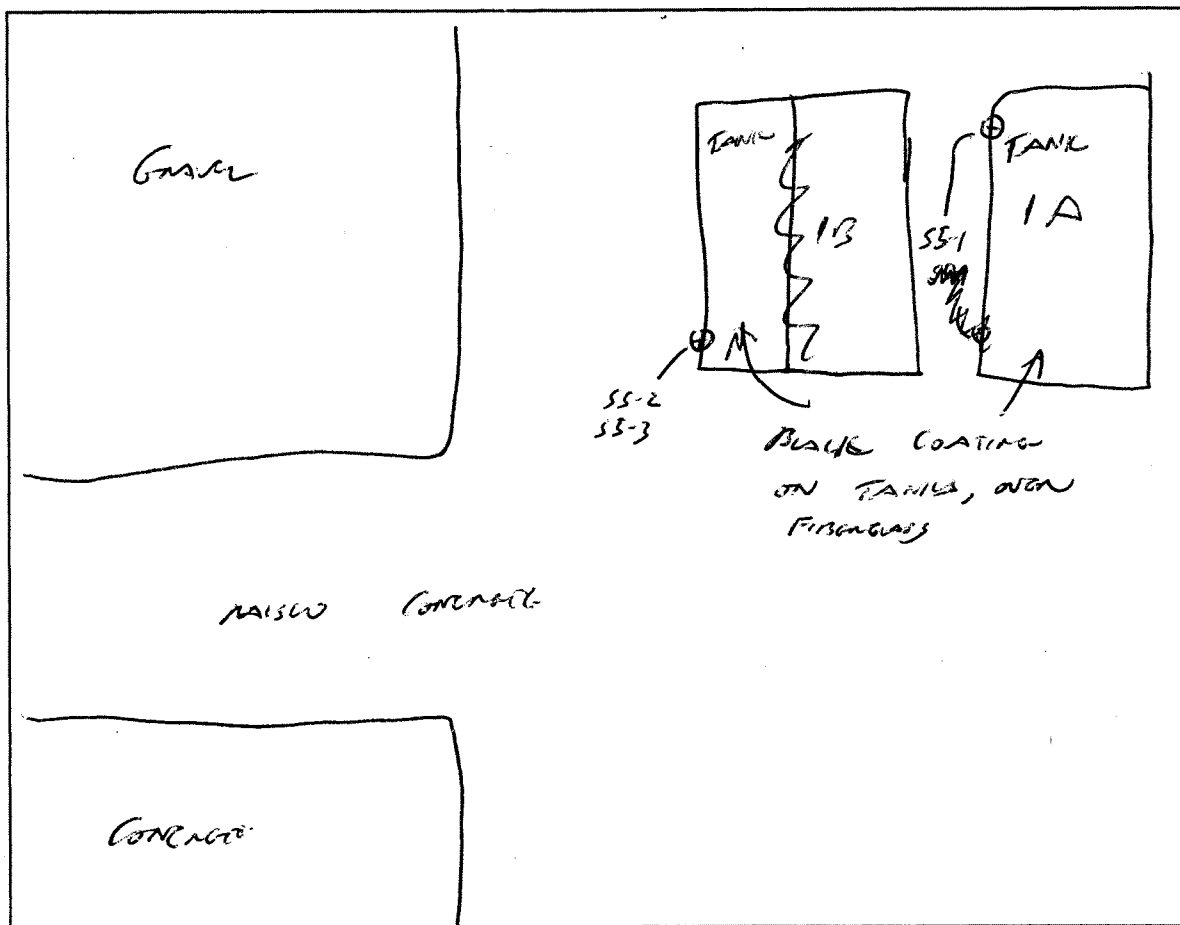
PACM Identified: BLACK BUILT UP ROOFING, GRAY PENETRATION FLASHING, WHITE FIBERGLASS BACKING, GRAY FLASHING CEMENT

Bulk Samples Collected: ☒ Yes ☐ No

Sample Information:

Sample Number	Date	Time	Description
S4-1	11/8/13	12:55	BLACK BUILT UP ROOFING
S4-2		V	V
S4-3		13:00	GRAY PENETRATION FLASHING
S4-4		V	V
S4-5		13:01	WHITE FIBERGLASS BACKING
S4-6			
S4-7		V	
S4-8	11/8/13	13:05	GRAY PENETRATION FLASHING
S4-9		V	V

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: *SS*

Map Coordinates: N -N E -E

Description:

PACM Identified: *BLACK COATING ON TANKS OVER FIBERGLASS*

Bulk Samples Collected:

☒ Yes

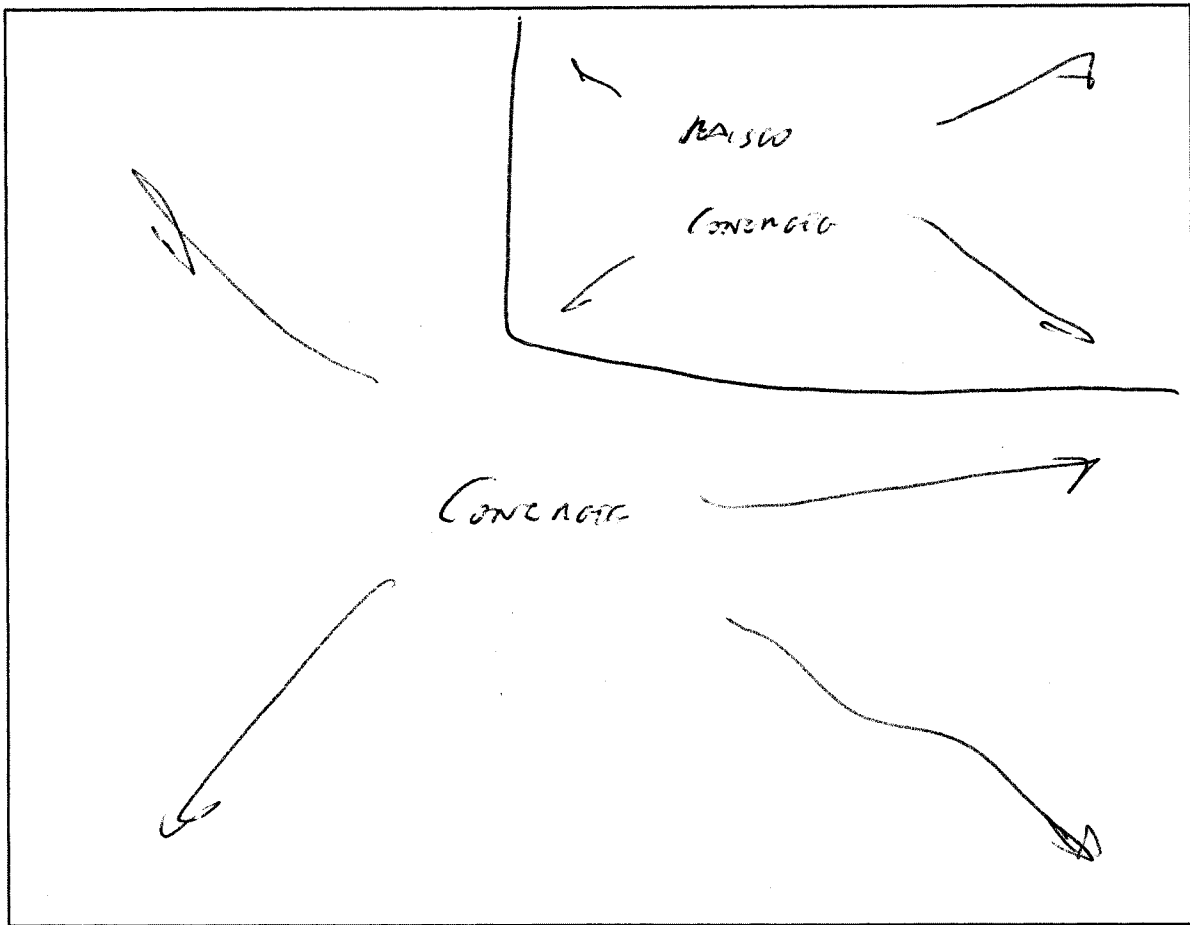
☐ No

Sample Information:

Sample Number	Date	Time	Description
<i>SS-1</i>	<i>11/8/13</i>	<i>13:20</i>	<i>BLACK COATING OVER FIBERGLASS</i>
<i>SS-2</i>	<i>↓</i>	<i>↓</i>	
<i>SS-3</i>	<i>↓</i>	<i>↓</i>	

95425

70-1250



950, 325

70430

Grid Location: 56

Map Coordinates: N -N E -E

PACM Identified:

Bulk Samples Collected:

Yes

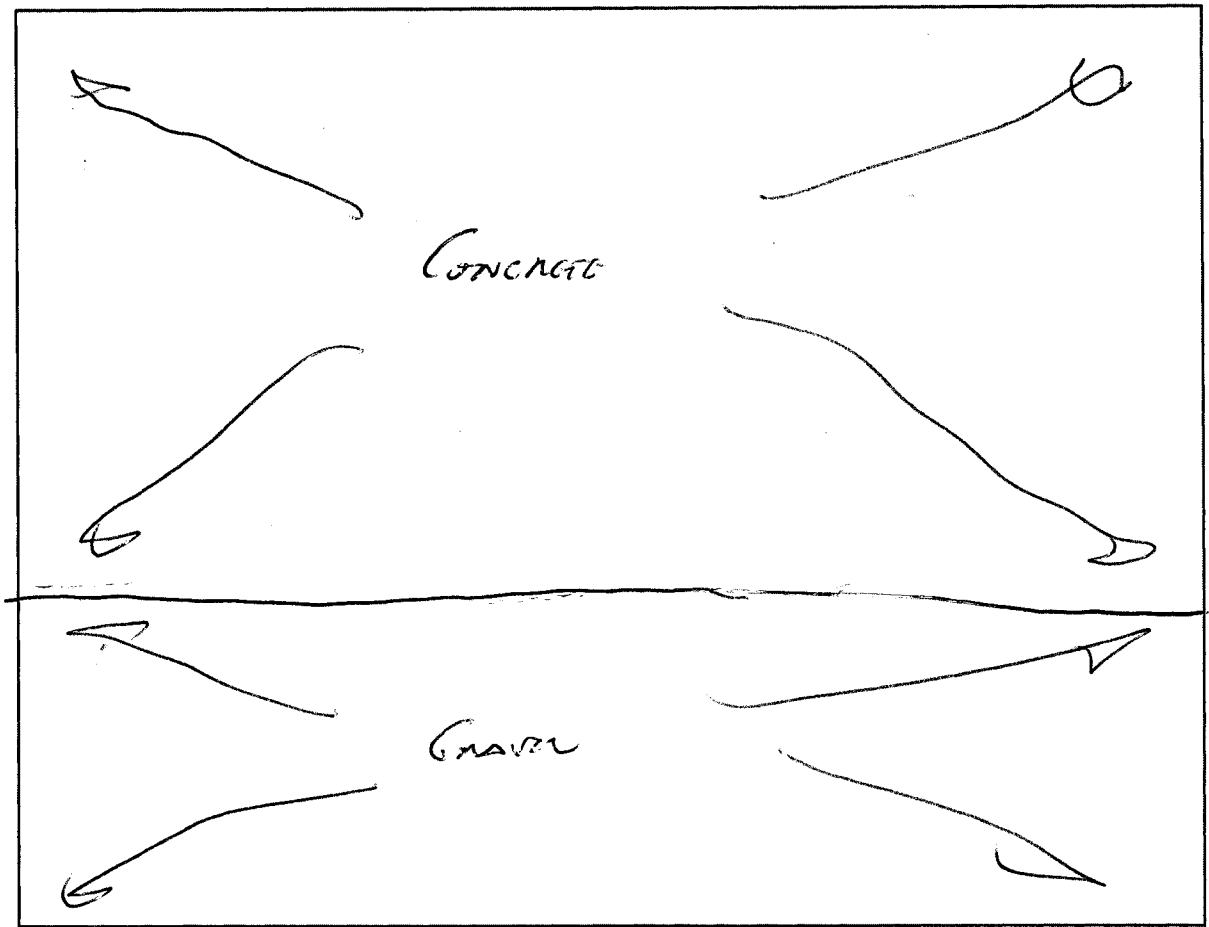
No

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

950-300

92130



950+350

900+350

Grid Location: 57

Map Coordinates: N -N E -E

Description:

PACM Identified:

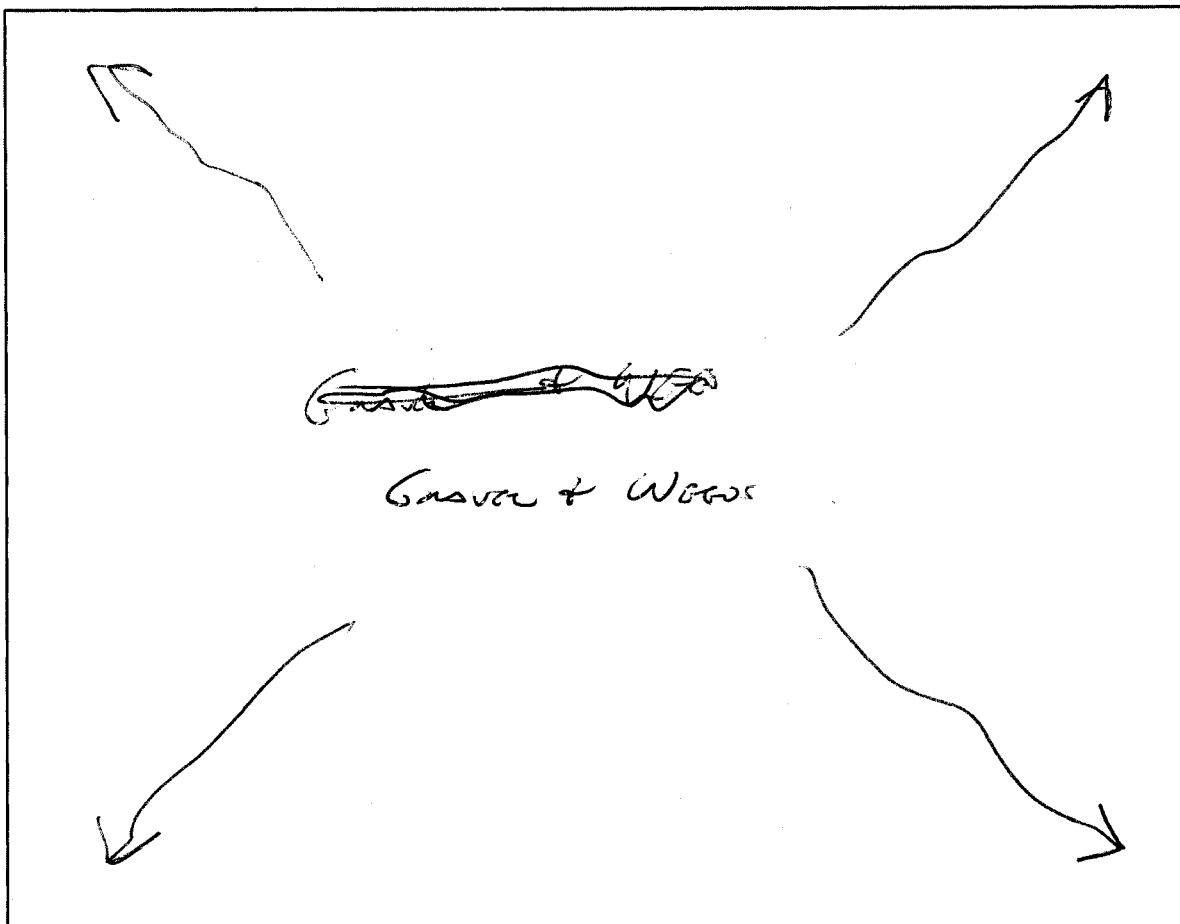
Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

Handwritten signature

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: 58

Map Coordinates: N -N E -E

Description:

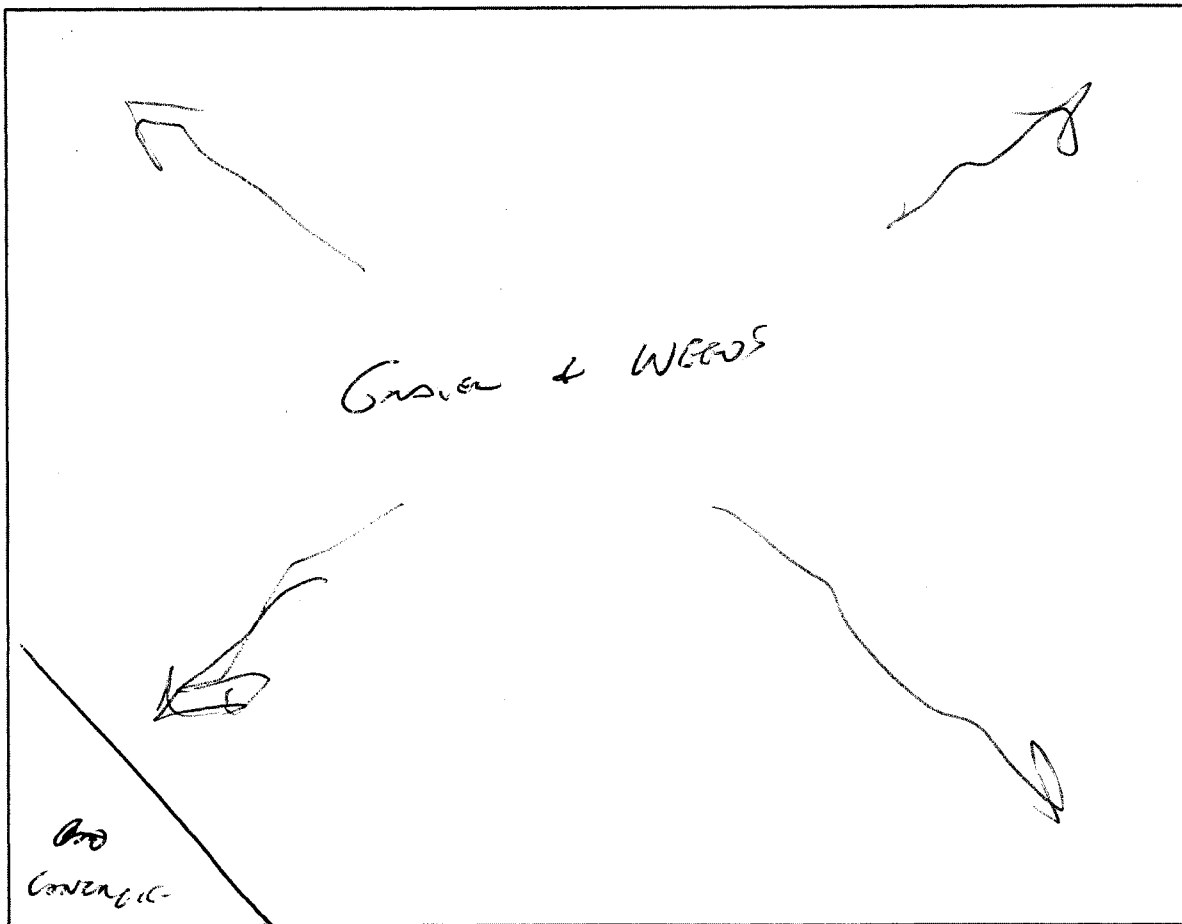
PACM Identified:

Bulk Samples Collected: Yes No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location:

59

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

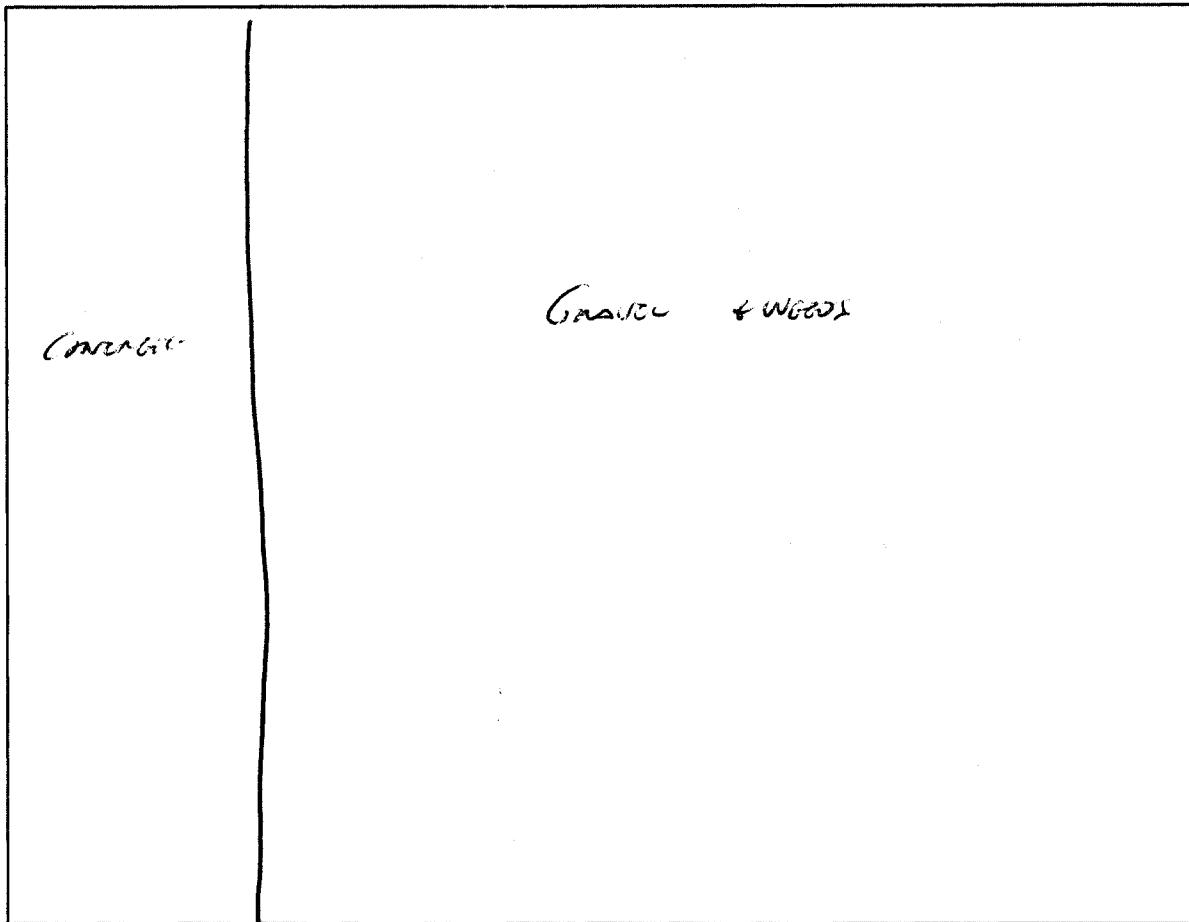
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

750450

700450



Grid Location: 510

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

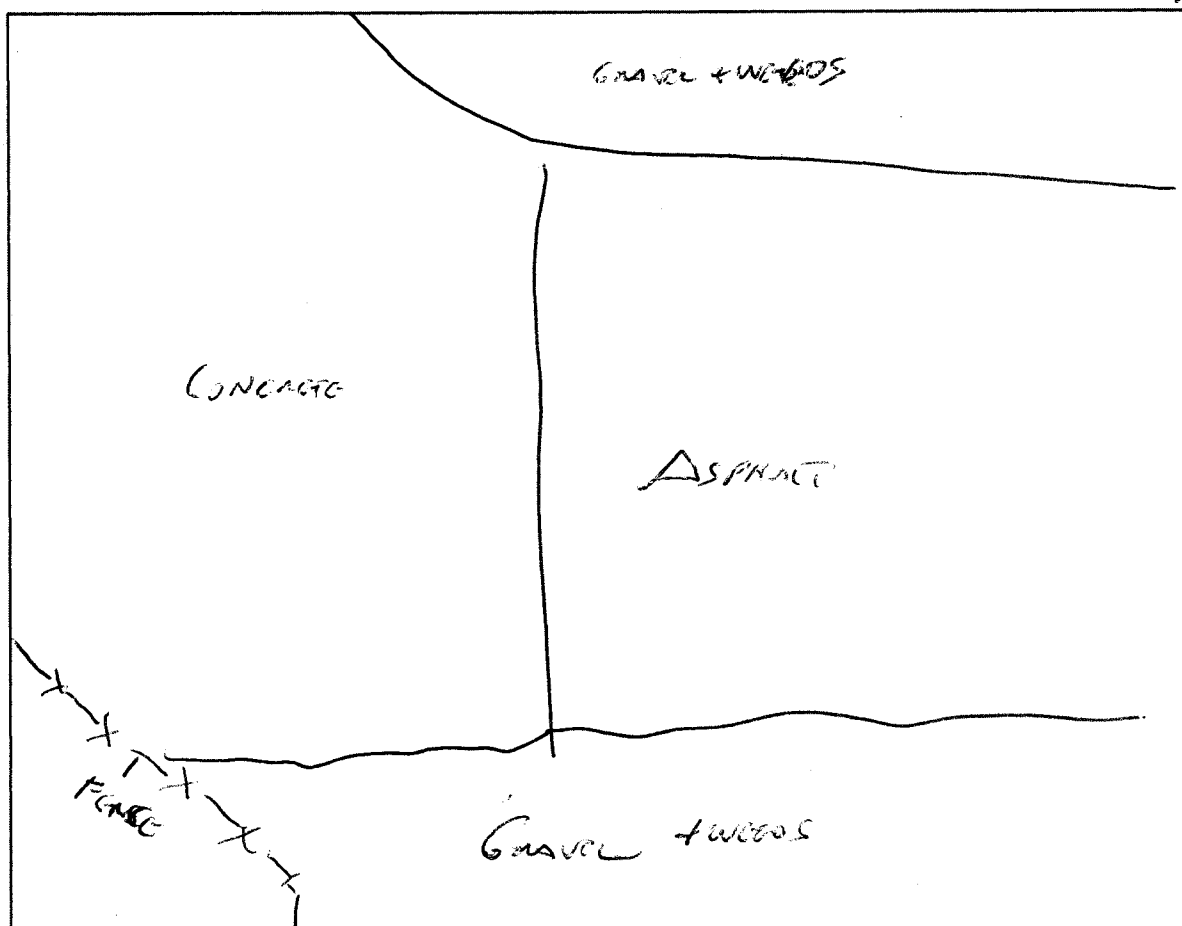
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

150+500

200+500



150
200

Grid Location: 511

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

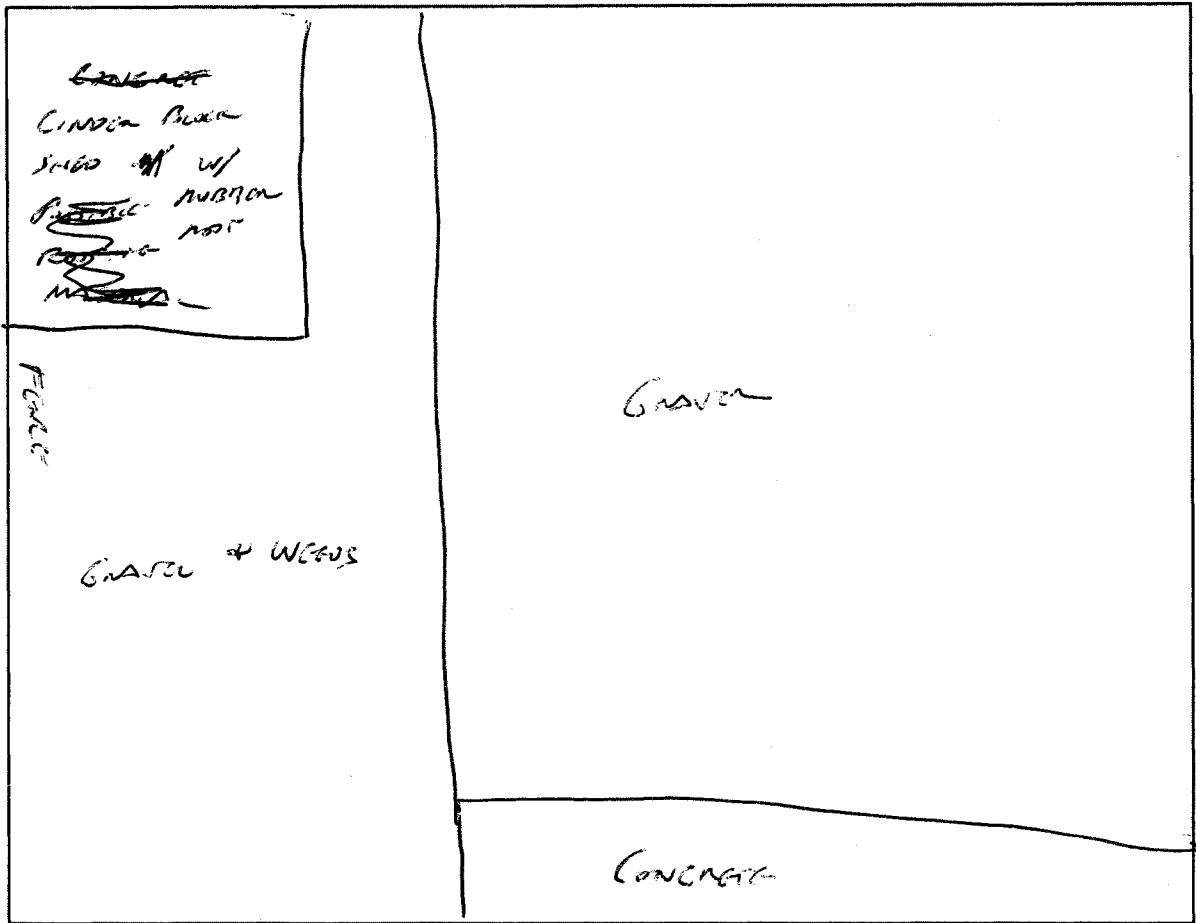
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: S12

Map Coordinates: N -N E -E

Description:

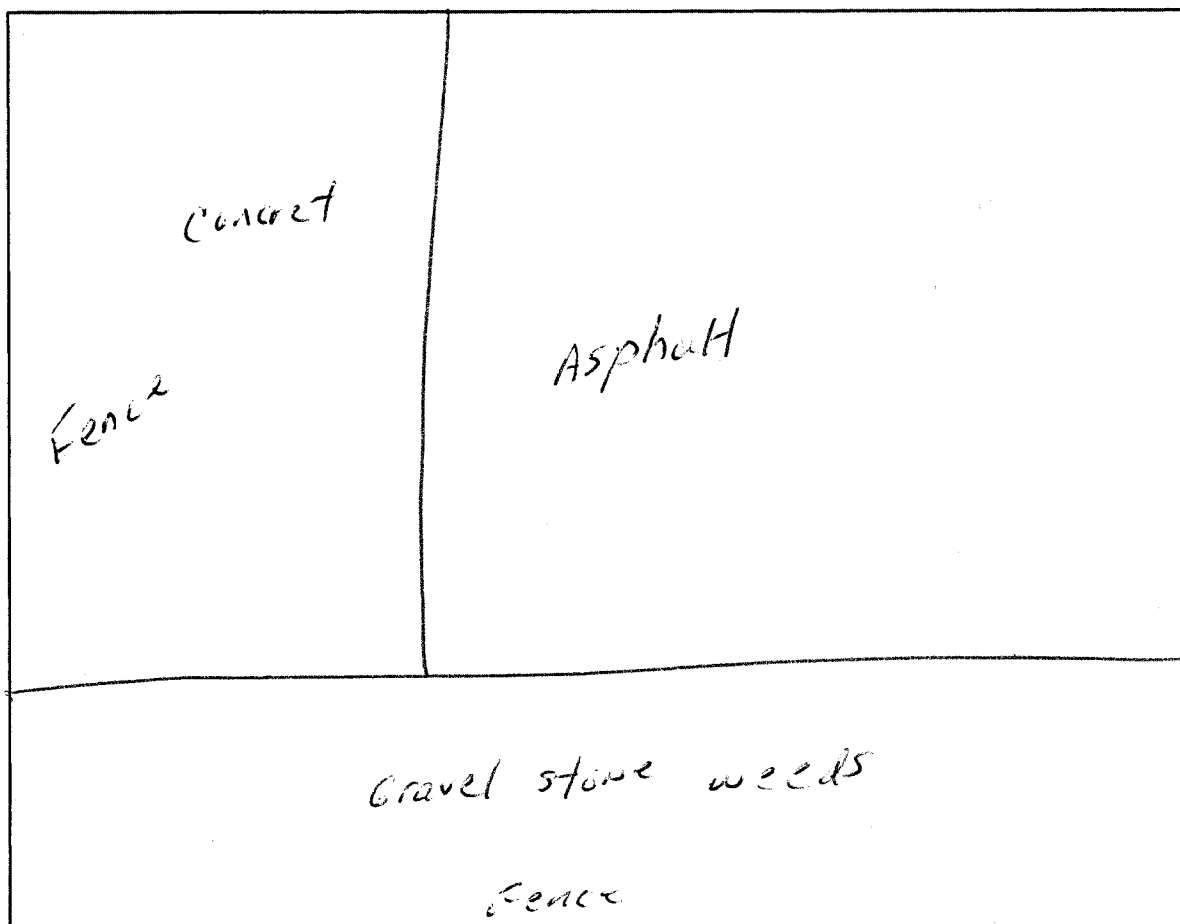
PACM Identified: ~~Gravel & WEEDS~~ MATRICK

Bulk Samples Collected: Yes ☒ No ☐

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING



Grid Location: S13

Map Coordinates: N

-N

E

-E

Description:

PACM Identified: NO suspect ACM

Bulk Samples Collected:

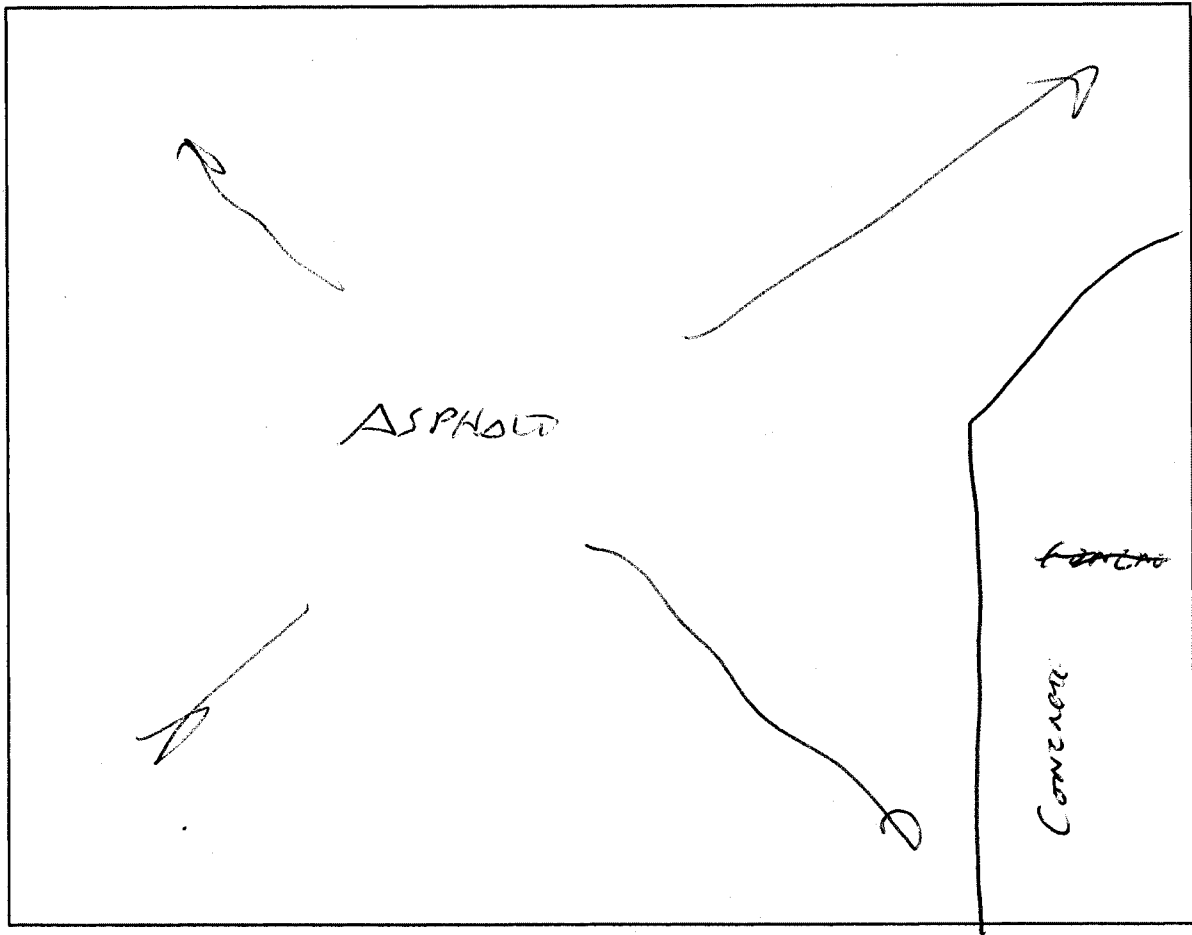
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: T1

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected: Yes No

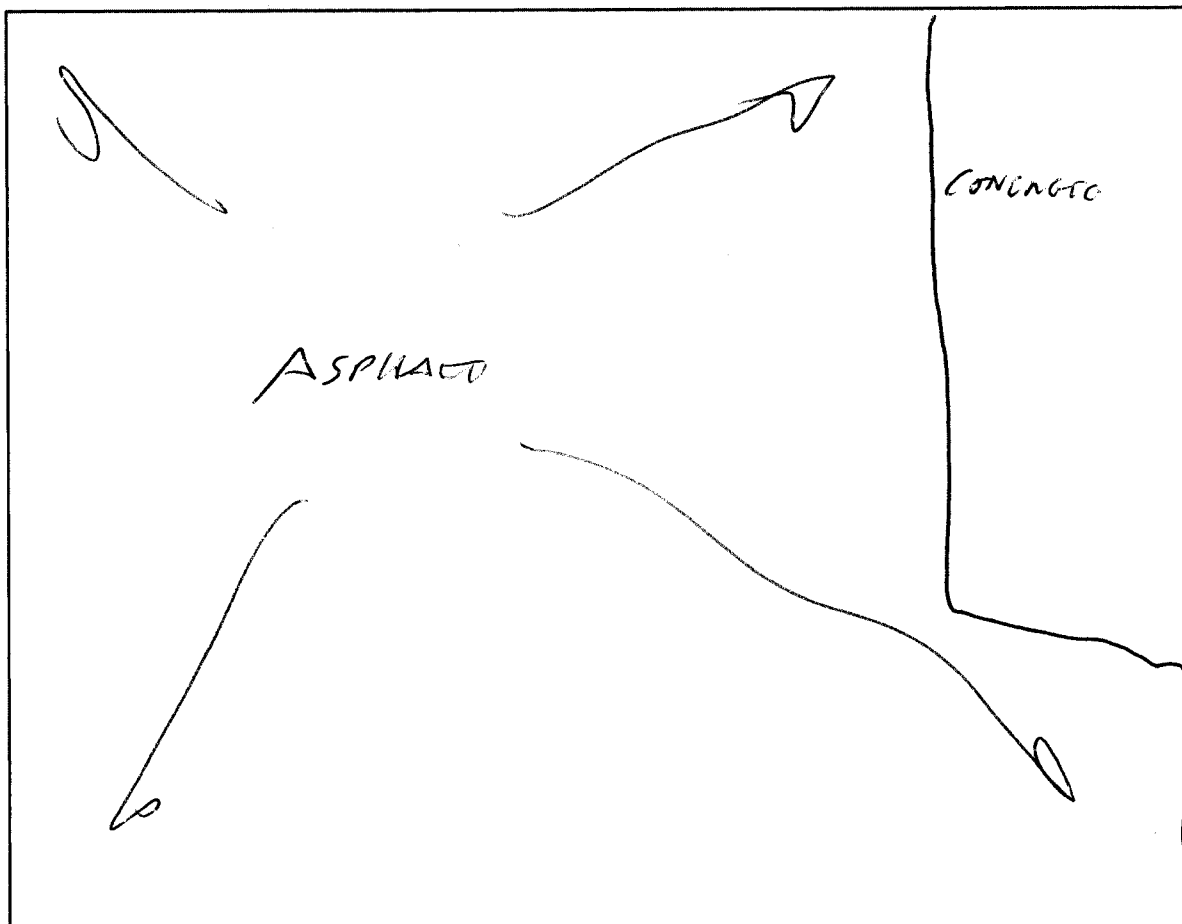
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

1700+50

950+50



1700+50

950+50

Grid Location:

T2

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

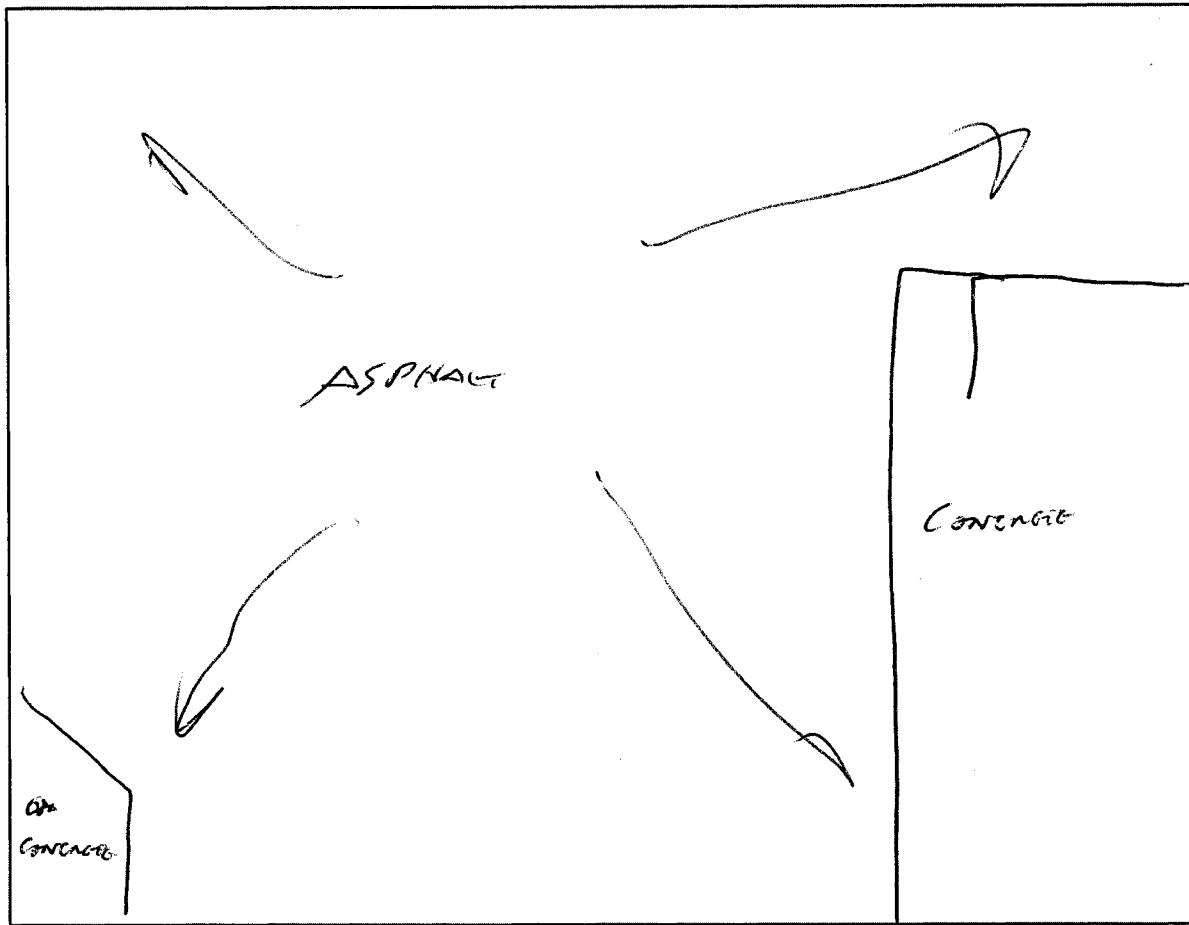
No

Sample Information:

Sample Number	Date	Time	Description

100410

750 + 100



150

2504150

Grid Location: T3

Map Coordinates: N -N E -E

PACM Identified:

Yes

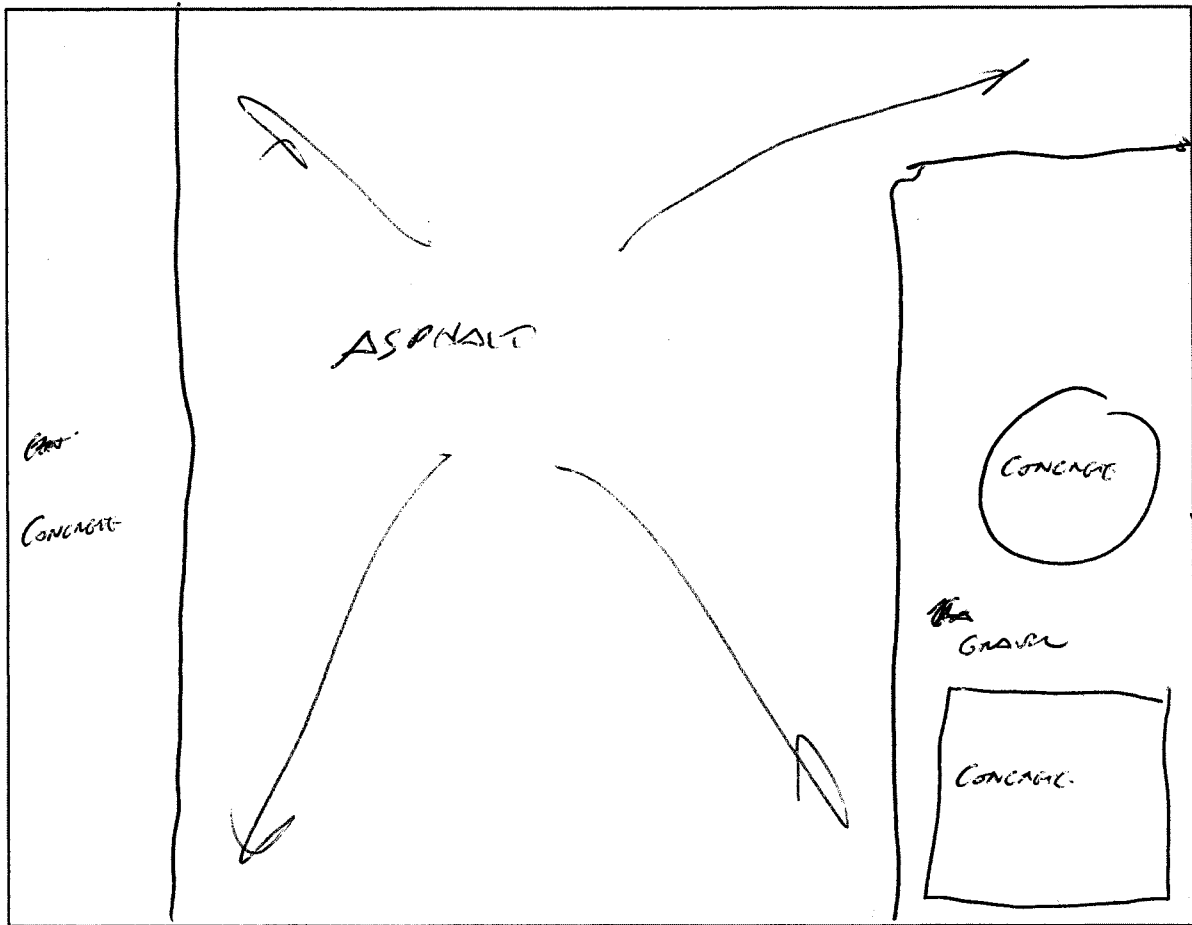
No

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

1006150

950+150



1006150

Grid Location: T4

Map Coordinates: N -N E -E

950+200

Description:

PACM Identified:

Bulk Samples Collected:

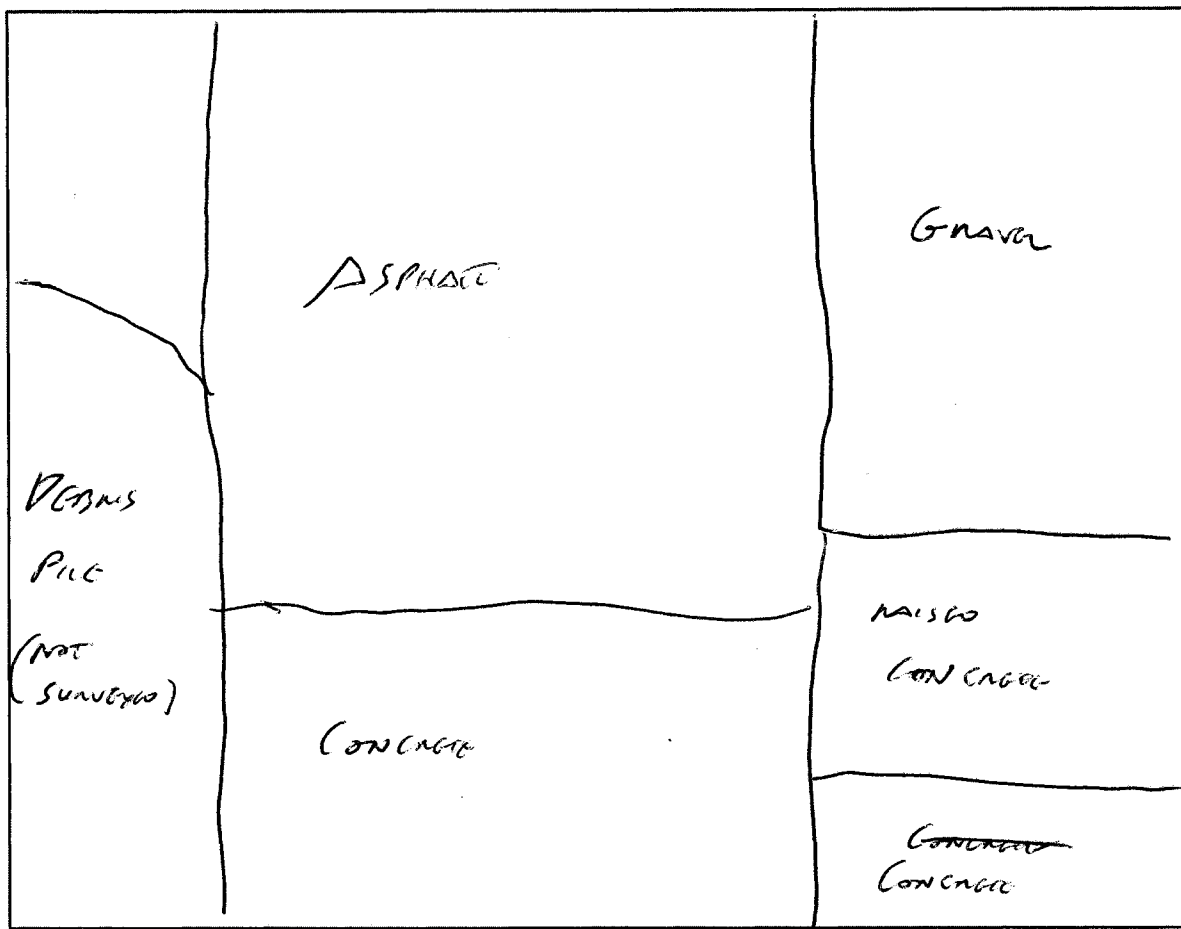
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Grid Location: TS

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected: Yes ☒ No

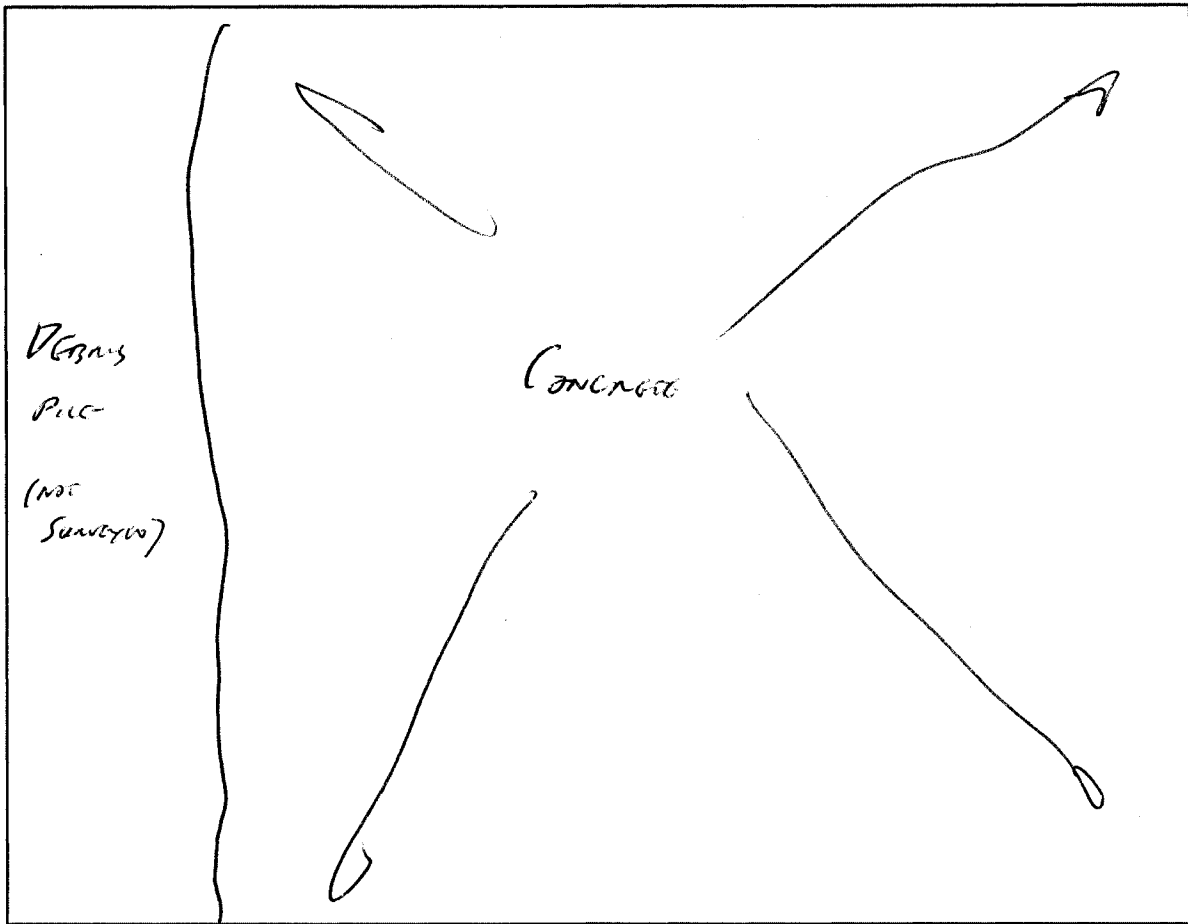
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

1800 6250

950 6250



1800 6250

950 6250

Grid Location:

T6

Map Coordinates: N

-N

E

-E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

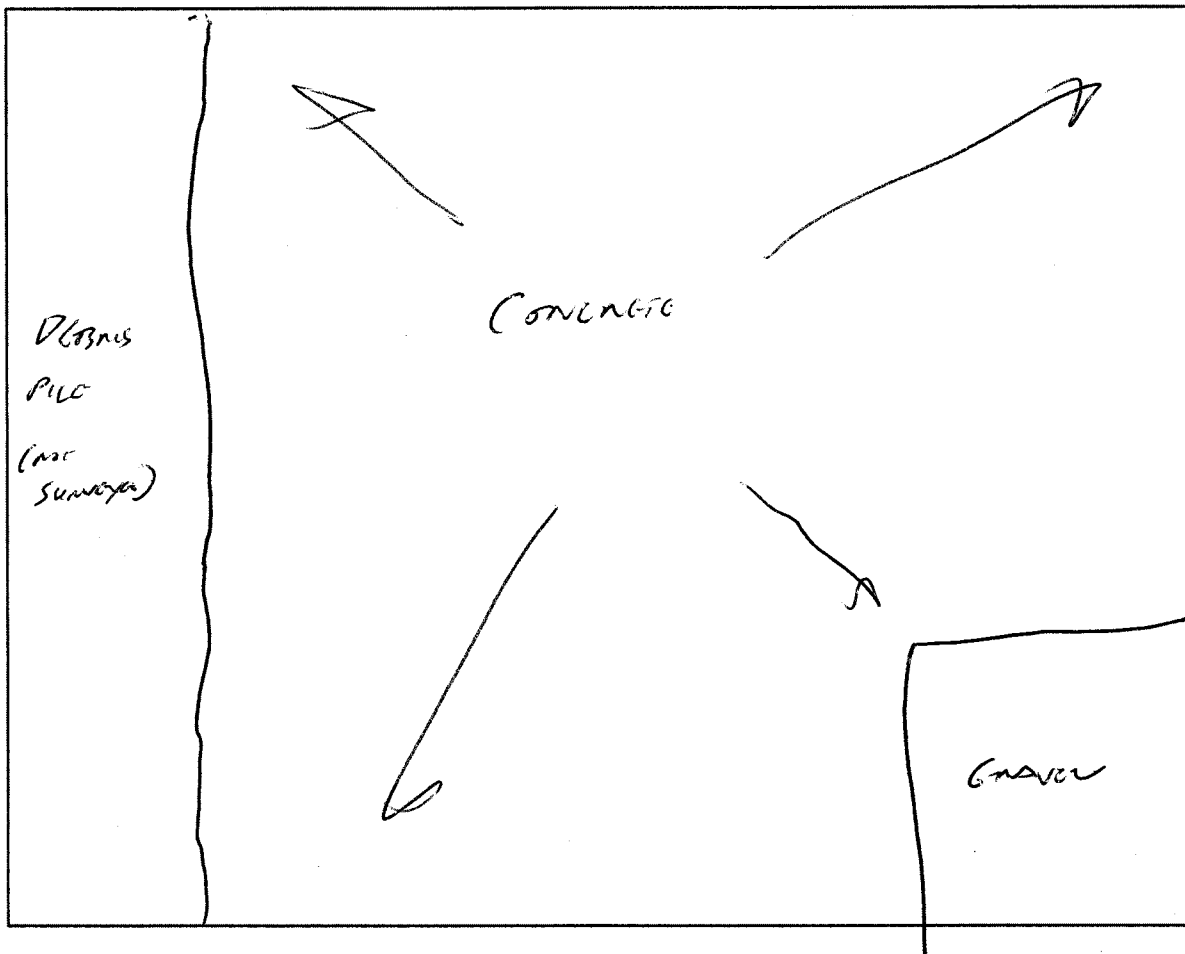
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

100+30

950+30



100+30

Grid Location: T7

Map Coordinates: N

-N

E

-E

950+30

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

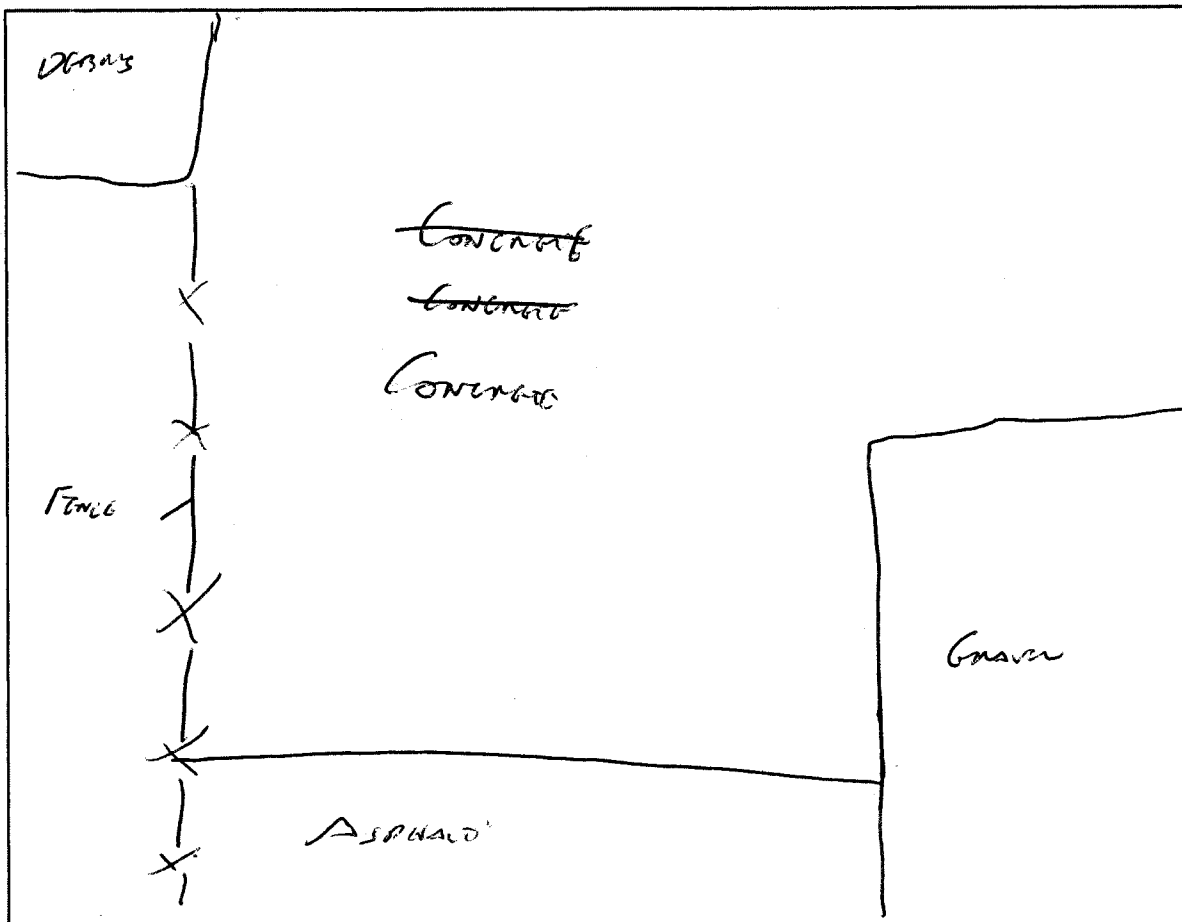
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING

130+350

950+350



130+40

Grid Location: T8

Map Coordinates: N

-N

E

-E

950+40

Description:

PACM Identified:

Bulk Samples Collected:

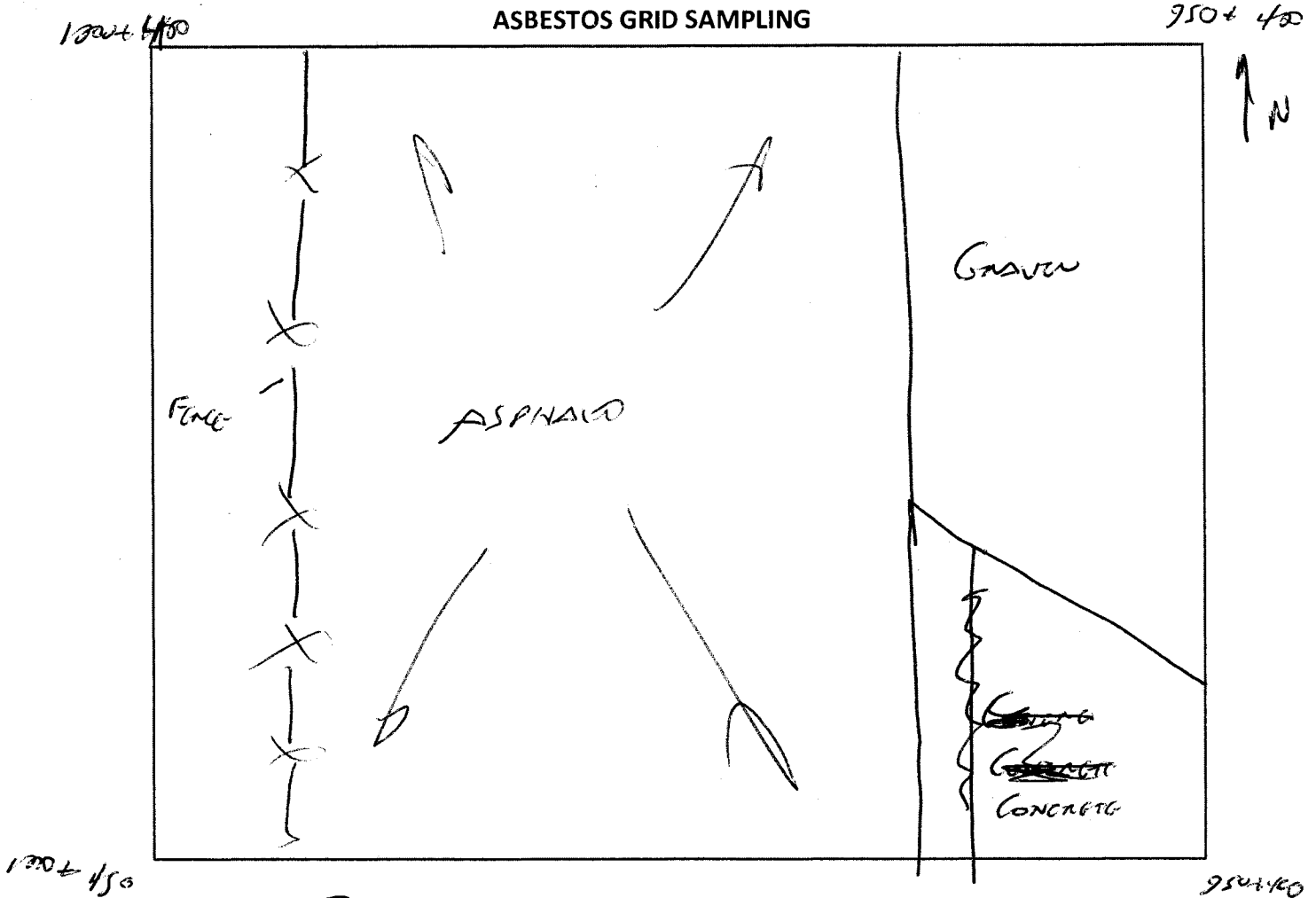
Yes

No

Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
 ASBESTOS GRID SAMPLING



Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

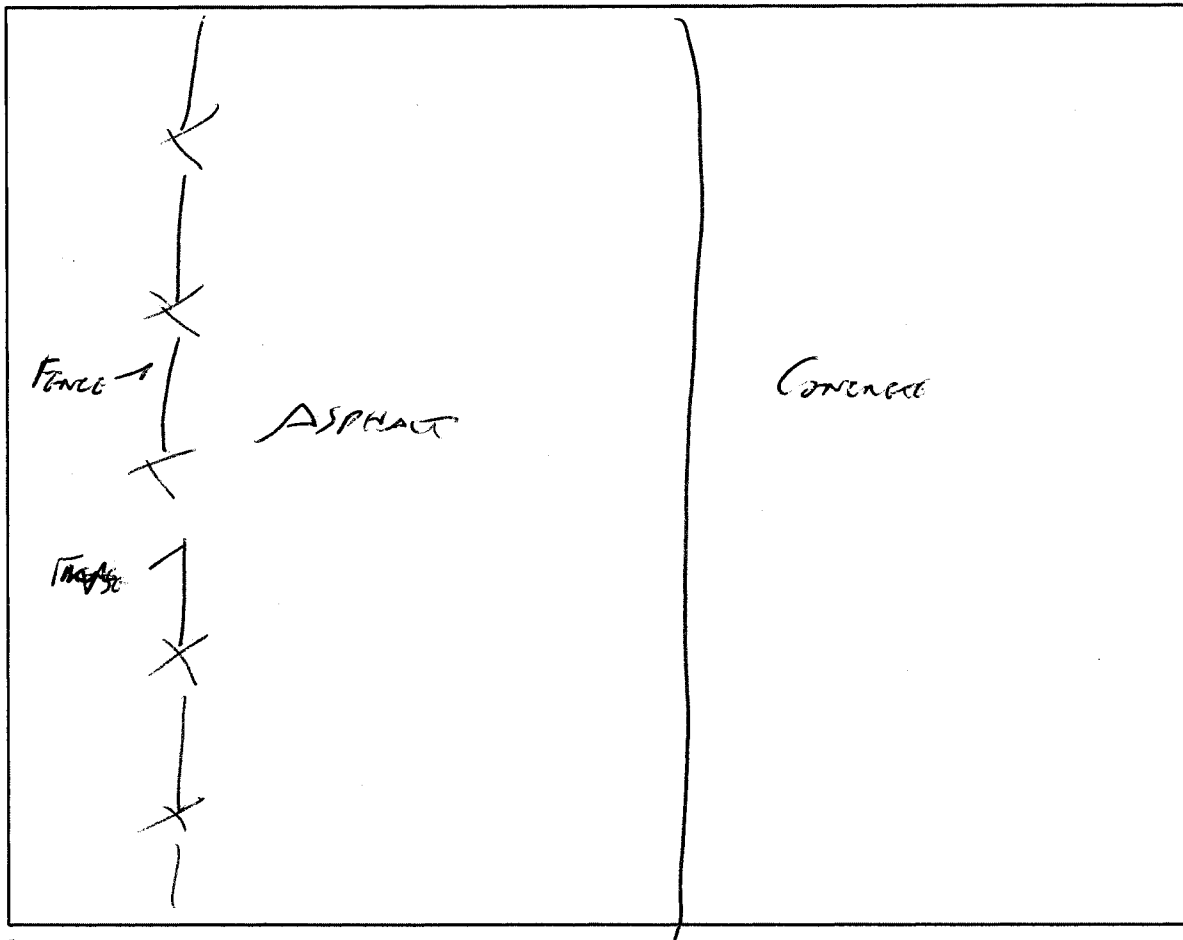
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

1000 + 450

950 + 450



Grid Location: T10

Map Coordinates: N -N E -E

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

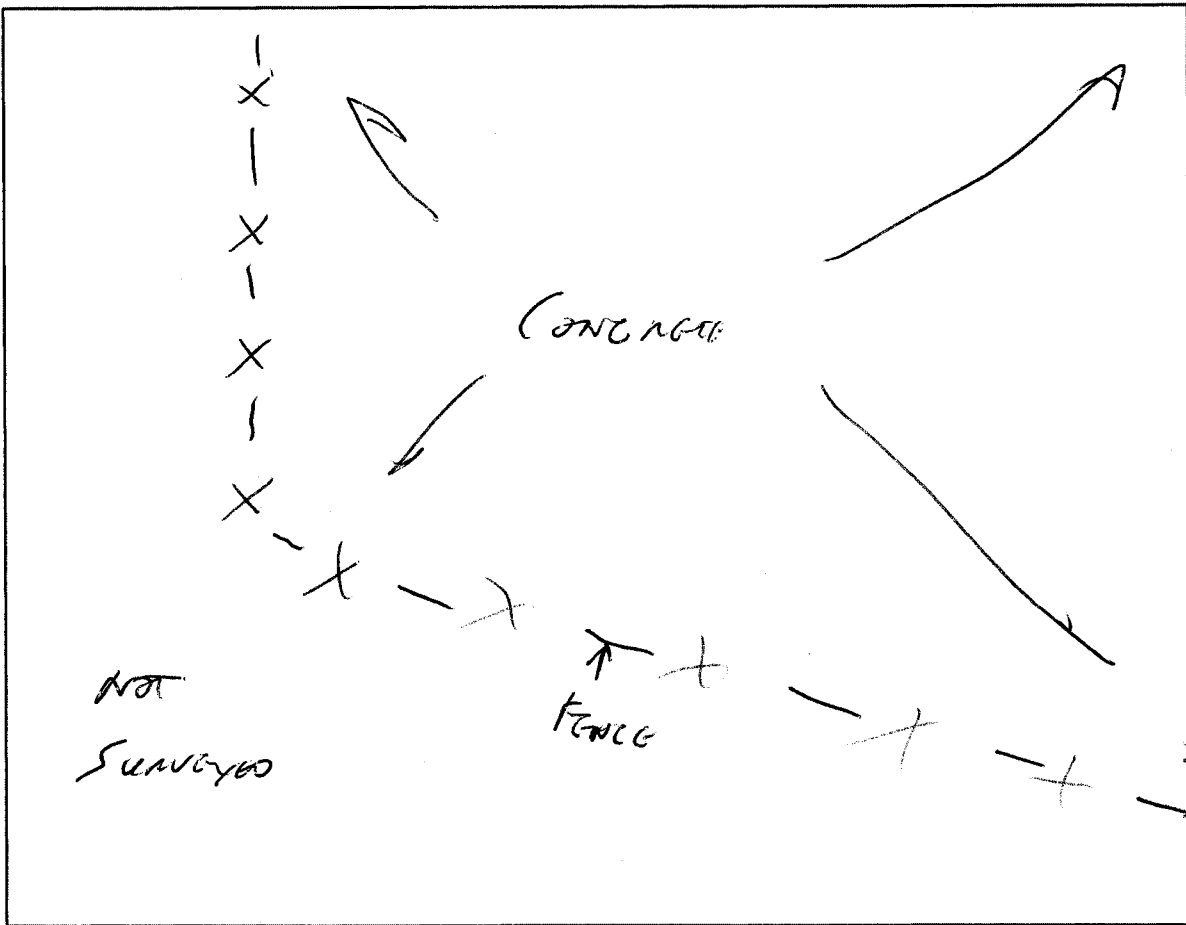
Sample Information:

Sample Number	Date	Time	Description

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
TONAWANDA FORGE SITE, TOWN OF TONAWANDA, NEW YORK
ASBESTOS GRID SAMPLING

1000 + 500

950 + 500



1000 + 500

Grid Location: TU

Map Coordinates: N

-N

E

-E

950 + 500

Description:

PACM Identified:

Bulk Samples Collected:

Yes

No

Sample Information:

Sample Number	Date	Time	Description

APPENDIX D

PHOTOGRAPH LOG

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 1: 11/5/13 – Example of galbestos coated metal (typical).



Photo 2: 11/5/13 – Gray roof shingle (ACM-typical).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 3: 11/5/13 – Black expansion joint (ACM-typical).



Photo 4: 11/5/13 – Insulated wire (typical).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 5: 11/5/13 – Black Gasket Material (Non-ACM).



Photo 6: 11/5/13 – White caulk in seam (non-ACM).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 7: 11/6/13 – Concrete footers with miscellaneous debris.



Photo 8: 11/6/13 – Miscellaneous debris with ACM roofing material in Grid G10.

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 9: 11/6/13 – Grey/Lt grey floor leveling compound/coating (ACM).



Photo 10: 11/6/13 – Black expansion joint (ACM-typical).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 11: 11/7/13 – Galbestos (ACM) coating on blue painted metal in grid R5.



Photo 12: 11/8/13 – White mud insulation (ACM) in grid R4.

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 13: 11/8/13 – Metal jacket with grey caulk seams (non-ACM) over fiberglass insulation with silver backing (non-ACM) in grid R4.



Photo 14: 11/8/13 – Black built up roofing (ACM) in grid S4.

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 15: 11/8/13 – Grey penetration flashing (ACM) in grid S4.



Photo 16: 11/8/13 – White fiberglass backing (non-ACM) in grid S4.

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 17: 11/8/13 – Grey perimeter flashing (ACM) in grid S4.



Photo 18: 11/8/13 – Black coating over fiberglass (non-ACM) on tanks in grid S5.

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 19: 11/8/13 – Black wrapped pipe insulation (PACM) in grid R4 (inaccessible).



Photo 20: 11/8/13 – Rubber roof membrane (non-ACM) over shed in grid S12.

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 21: 11/11/13 – Misc. roofing debris (ACM).



Photo 22: 11/11/13 – Black coating on foam (non-ACM).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 23: 11/11/13 – Brown cove base molding and mastic (non-ACM) in grid A4.



Photo 24: 11/11/13 – Black built up roofing (ACM).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 25: 11/11/13 – Black coating on brick (non-ACM).



Photo 26: 11/11/13 – 12' X 12' grey floor tile (non-ACM).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 27: 11/11/13 – Tan speckled floor tile.



Photo 28: 11/11/13 – Blue thick floor coating (non-ACM).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 29: 11/11/13 – Terracotta tile mastic (ACM) and grout (non-ACM).



Photo 30: 11/11/13 – Drywall (non-ACM).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 31: 11/11/13 – Black cove base molding & mastic (non-ACM).



Photo 32: 11/11/13 – Drywall (non-ACM).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 33: 11/11/13 – Black expansion joint (ACM-typical).



Photo 34: 11/11/13 – Gray floor tile and mastic (non-ACM) in grid A3.

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 35: 11/11/13 – Red thick floor coating (non-ACM) in grid A8.



Photo 36: 11/11/13 – 12' X 12' Blue ceramic tile mastic and grout (non-ACM) in grid A9.

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 37: 11/11/13 – Blue thick floor coating (non-ACM).



Photo 38: 11/11/13 – Miscellaneous debris with ACM roofing material throughout (typical).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 39: 11/11/13 – Debris piles in grids E3, F3 and G3; not surveyed.



Photo 40: 11/11/13 – Coated wood joints in floor (not surveyed).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 41: 11/11/13 – Galbestos (ACM) in debris pile.



Photo 42: 11/11/13 – Grey/Lt grey floor leveling compound/coating (ACM).

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 43: 11/11/13 – Debris pile on southwest end of grids T5-T8 (not surveyed).



Photo 44: 11/11/13 – Railroad ties in grid J11.

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 45: 11/11/13 – Black wrapped pipe insulation (PACM) in grid R4 (inaccessible).



Photo 46: 11/11/13 – Grid Q2 with miscellaneous debris along wall.

TONAWANDA FORGE SITE RI/FS – SCHEDULE 1, TASK 2
PHOTOGRAPHIC LOG
TONAWANDA, NEW YORK



Photo 47: 11/11/13 – Red bricks in grid M1.



Photo 48: 11/11/13 – Pits filled with debris containing ACM roofing material throughout (typical).

APPENDIX E

CHAIN-OF-CUSTODIES
AND
ANALYTICAL RESULTS



CERTIFICATE OF ANALYSIS

Client:	EMLab P&K	Job Name:	1138539	Chain of Custody:	517187
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/20/2013
	Marlton, New Jersey 08053	Job Number:	11176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

Page 1 of 6

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
14010125	A 1-1	Whole	TR	TR	TR	Chrysotile	77.3%	9.0%	13.7%	Roof	Black	
14010126	A 1-2	Whole	TR	NAD	TR	Chrysotile	91.3%	1.6%	7.1%	Tar P.	Black	
14010127	A 1-3	Whole	TR	NAD	TR	Chrysotile	69.2%	12.2%	18.5%	RS	Black	
14010128	A 1-4	Whole	NAD	NAD	NAD		97.3%	1.3%	1.4%	WB	Multi	
14010129	A 1-5	Whole	NAD	NAD	NAD		79.6%	8.8%	11.6%	Roof	Black	
14010130	A 1-6	Whole	NAD	NAD	NAD		93.7%	1.9%	4.4%	Coating	Black	
14010131	A 1-7	Whole	NAD	NAD	NAD		16.0%	75.7%	8.3%	FT	Gray	
14010132	A 1-8	Whole	NAD	NAD	NAD		72.8%	9.3%	17.9%	Roof	Black	
14010133	A 2-1	Whole	TR	NAD	TR	Chrysotile	69.0%	14.4%	16.4%	WB	Brown	
14010134	A 2-2	Whole	TR	NAD	TR	Chrysotile	59.7%	29.7%	10.6%	GK	Black	
14010135	A 2-3	Whole	TR	NAD	TR	Chrysotile	69.8%	23.9%	6.3%	Coating	Black	
14010136	A 2-4	Whole	NAD	NAD	NAD		16.3%	57.2%	26.5%	FT	Multi	
14010137	A 2-5	Whole	TR	TR	TR	Chrysotile	85.3%	8.5%	6.2%	MS	Black	

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



CERTIFICATE OF ANALYSIS

Client:	EMLab P&K	Job Name:	1138539	Chain of Custody:	517187
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/20/2013
	Marlton, New Jersey 08053	Job Number:	11176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

Page 2 of 6

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
14010138	A 2-6	Whole	NAD	NAD	NAD		16.5%	73.1%	10.4%	FT	Gray	
14010139	A 2-7	Whole	NAD	NAD	NAD		38.5%	50.9%	10.6%	MS	Black	
14010141	A 3-1	Whole	NAD	NAD	NAD		88.5%	3.2%	8.3%	MS	Black	
14010142	A 3-2	Whole	NAD	NAD	NAD		16.9%	72.7%	10.4%	FT	Tan	
14010143	A 3-3	Whole	NAD	NAD	NAD		43.8%	45.2%	11.0%	MS	Black	
14010144	A 3-4	Whole	TR	NAD	TR	Chrysotile	25.2%	57.4%	17.4%	FT	Gray	
14010146	A 3-5	Whole	NAD	NAD	NAD		61.2%	8.7%	30.1%	MS	Gray	
14010147	A 3-6	Whole	NAD	NAD	NAD		13.7%	9.0%	77.3%	LC	Gray	
14010148	A 4-1	Whole	NAD	NAD	NAD		93.8%	3.1%	3.1%	Coating	Black	
14010149	A 4-2	Whole	NAD	NAD	NAD		36.2%	44.6%	19.2%	DW	Gray	
14010150	A 4-3	Whole	NAD	NAD	NAD		15.5%	82.8%	1.7%	FT	Tan	
14010151	A 4-4	Whole	NAD	NAD	NAD		83.1%	10.1%	6.8%	MS	Black	

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



CERTIFICATE OF ANALYSIS

Client:	EMLab P&K	Job Name:	1138539	Chain of Custody:	517187
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/20/2013
	Marlton, New Jersey 08053	Job Number:	11176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

Page 3 of 6

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
14010152	A 4-5	Whole	N/A	N/A	N/A		40.8%	58.9%		CB	Brown	Sample Not Analyzed: >99% of material lost to gravimetric reduction. Material is non-ACM
14010153	A 4-6	Whole	NAD	NAD	NAD		33.4%	65.9%	0.7%	MS	Tan	
14010154	A 4-7	Whole	1.4%	TR	1.4%	Chrysotile	63.2%	8.6%	26.8%	Roof	Black	
14010156	A 5-1	Whole	NAD	NAD	NAD		41.6%	49.1%	9.3%	DW	Gray	
14010157	A 5-2	Whole	NAD	NAD	NAD		2.0%	91.2%	6.8%	JC	White	
14010158	A 5-3	Whole	NAD	NAD	NAD		39.3%	38.8%	21.9%	CB	Black	
14010159	A 5-4	Whole	NAD	NAD	NAD		64.7%	7.5%	27.8%	MS	White	
14010160	A 6-1	Whole	NAD	NAD	NAD		22.3%	63.2%	14.5%	DW	Multi	
14010161	A 6-2	Whole	2.7%	2.7%	N/A	Chrysotile	37.3%	47.8%	12.2%	JC	Black	Not Analyzed by TEM - Positive Stop
14010162	A 7-1	Whole	NAD	NAD	NAD		81.6%	4.8%	13.6%	Coating	Black	
14010163	A 7-2	Whole	NAD	NAD	NAD		73.2%	14.3%	12.5%	JC	Black	

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CERTIFICATE OF ANALYSIS

Client:	EMLab P&K	Job Name:	1138539	Chain of Custody:	517187
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/20/2013
	Marlton, New Jersey 08053	Job Number:	11176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

Page 4 of 6

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
14010164	A 8-1	Whole	TR	NAD	TR	Chrysotile	26.9%	40.5%	32.6%	Debris	Black	
14010165	A 8-2	Whole	NAD	NAD	NAD		14.9%	6.1%	79.0%	Coating	Red	
14010166	A 9-1	Whole	2.9%	TR	2.9%	Chrysotile	46.0%	18.2%	33.0%	MS	Tan	
14010167	A 9-2	Whole	TR	NAD	TR	Chrysotile	5.0%	32.2%	62.7%	Grout	Gray	
14010168	A 9-3	Whole	2.1%	2.1%	N/A	Chrysotile	48.0%	15.7%	34.1%	MS	Brown	Not Analyzed by TEM - Positive Stop
14010169	A 9-4	Whole	NAD	NAD	NAD		11.7%	43.2%	45.1%	MS	Tan	
14010171	A 9-5	Whole	NAD	NAD	NAD		10.0%	32.4%	57.6%	Grout	Black	
14010172	A 10-1	Whole	NAD	NAD	NAD		97.5%	1.1%	1.4%	Cork	Brown	
14010173	A 11-1	Whole	8.9%	8.9%	N/A	Chrysotile	12.2%	40.9%	38.0%	Transite	Gray	Not Analyzed by TEM - Postive Stop
14010174	A 11-2	Whole	NAD	NAD	NAD		5.6%	30.1%	64.4%	Debris	Gray	
14010180	A 11-3	Whole	NAD	NAD	NAD		82.2%	4.7%	13.1%	WB	Brown	
14010181	A 11-4	Whole	NAD	NAD	NAD		58.7%	14.6%	26.7%	FLS	Black	

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CERTIFICATE OF ANALYSIS

Client:	EMLab P&K	Job Name:	1138539	Chain of Custody:	517187
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/20/2013
	Marlton, New Jersey 08053	Job Number:	11176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

Page 5 of 6

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
14010182	A 11-5	Whole	NAD	NAD	NAD		65.2%	9.3%	25.5%	FLS	Black	
14010183	B 1-1	Whole	16%	16%	N/A	Chrysotile	9.6%	45.6%	28.5%	Transite	Gray	
14010184	B 1-2	Whole	NAD	NAD	NAD		70.0%	7.4%	22.6%	Roof	Black	
14010185	B 1-3	Whole	TR	NAD	TR	Chrysotile	56.4%	10.0%	33.6%	Roof	Black	
14010186	B 1-4	Whole	TR	NAD	TR	Chrysotile	50.2%	14.9%	34.8%	Roof	Black	
14010187	B 1-5	Whole	NAD	NAD	NAD		92.4%	N/A	7.6%	WB	Brown	
14010188	B 1-6 FT	Whole	NAD	NAD	NAD		15.5%	57.2%	27.3%	FT	Gray	
14010189	B 1-6 LC	Whole	NAD	NAD	NAD		25.4%	59.4%	15.2%	LC	Gray	
14010190	B 1-7	Whole	TR	NAD	TR	Chrysotile	60.3%	9.8%	29.9%	GK	Multi	

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CERTIFICATE OF ANALYSIS

Client:	EMLab P&K	Job Name:	1138539	Chain of Custody:	517187
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/20/2013
	Marlton, New Jersey 08053	Job Number:	11176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

Page 6 of 6

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
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* 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

G Edward Carney

Analyst(s)

A. Cao/A. Saldivar/L. Butruk

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

21C REV. 6.02



Focused on Results www.kamalab.com
 AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
 4475 Forbes Blvd. • Lanham, MD 20706
 (301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

(Please Refer To This
Number For Inquiries)

517187

Submittal Information:

- School Information:**
1. Job Name: 1138539
 2. Job Location: Tonawanda Targe
 3. Job #: 111764987-000002 P.O. # _____
 4. Contact Person: [Signature] @ phone # _____
 5. Submitted by: [Signature] Signature: [Signature]

Contact Information:

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)
☐ EPA Point Count _____ (QTY)
☐ NY State Friable 198.1 _____ (QTY)
☐ Grav. Reduction ELAP 198.6 _____ (QTY)
☐ Other (specify) _____ (QTY)
MISC
☐ Vermiculite _____
☐ Asbestos Soil PLM (0.25) PLM (0.25) PLM/TEM (0.25)

TEM Bulk

- ☐ FLAP 198.4/Chatfield _____ (QTY)
☒ NY State PLM/TEM 25 (QTY)
☐ Residual Ash _____ (QTY)

TEM Dusi

- ☐ Qual. (pres/abs) Vacuum/Dust _____ (QTY).
☐ Quan. (s/area) Vacuum D5755-95 _____ (QTY)
☐ Quan. (s/area) Dust D6480-99 _____ (QTY)

TEM Wake

- ☐ Qual. (pres/sbs) _____ (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)

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 Sampler: _____
Collection Media: _____

☐ Spore-Trap _____ (QTY) _____	☐ Surface Vacuum Dust _____ (QTY) _____
☐ Surface Swab _____ (QTY) _____	☐ Culture ID Gens (Media) _____ (QTY) _____
☐ Surface Tape _____ (QTY) _____	☐ Culture ID Species (Media) _____ (QTY) _____
☐ Other (Specify) _____ (QTY) _____	

[illegible]

1. Date/Time RCVD: 11/13/13 @ 10:05 Via: FedEx By (Print): [Signature] Sign: [Signature]
2. Date/Time Analyzed: 11/20/13 @ 20:35 By (Print): Amy Lee Sign: [Signature]
3. Results Reported To: Kim Via: Email Date: 11/20/13 Time: 20:35 Initials: AL
4. Comments:

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

56

Client: NYSEG
 Project: Tonawanda Forge
 Building/Location: Tonawanda Forge Site
 Contact: David Cofield Jr. (716) 856-5636 Ext.1330
 Fax Results to: David Cofield Jr. (716) 856-2545
 Mail Report and Invo: URS Corporation
URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 1 of
 Date: 11/1/13
 Project Number: 11175489.00002
 Turnaround Requested: RUSH
 24 Hour
 48 Hour
 X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
A1-1	BLK Built-up roofing (Layered)	A1-1 North East Area		
A1-2	BLK TAR Paper roofing	A1-2 North East Area		
A1-3	BLK Roof shingles	A1-3 Central Area		
A1-4	WHITE/GRAY Particulate	A1-4 North/South Area		
A1-5	BLK Roll roofing	A1-5 NW Area		
A1-6	BLK COATING ON FOAM	A1-6 SE Area		
A1-7	12X12 GRAY FLOOR TILE	A1-7 SOUTH CENTRAL AREA		
A1-8	SILVER COATED MESH ON BUILT-UP ROOFING	A1-8 CENTRAL AREA		
A1-9				

Sampled By:

DAVID COFIELD JR.

Date: 11/1/13

Received By:

David Koller

Date:

11/1/13

Time:

Time:

1530

Relinquished By:

DAVID COFIELD JR.

Date: 11/1/13

Received By:

Date:

1/1

Time: 1530

Time:

Comments:

Temp 17.2 NO ICE

11

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG

Project: Tonawanda Forge

Building/Location: Tonawanda Forge Site

Contact: David Cofield Jr. (716) 856-5636 Ext.1330

Fax Results to: David Cofield Jr. (716) 856-2545

Mail Report and Invol URS Corporation

URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 2 of

Date: 11/11/13

Project Number: 11176952.00002

Turnaround Requested: RUSH

 24 Hour

 48 Hour

X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
A2-1	BRN LAYERED Board	A2-1 M.E. AREA		
A2-2	BRN/BLK THICK GASGET	A2-2 M.W. AREA		
A2-3	BLK COATING ON BRICK	A2-3 NORTH CENTRAL AREA		
A2-4	TAN speckled F.T.	A2-4 NORTH CENTRAL AREA		
A2-5	(BLK) TAN speckled F.T. Mastic	A2-5 " " "		
A2-6	GRAY speckled FT.	A2-6 NORTH EAST AREA		
A2-7	(BLK) GRAY speckled FT Mastic	A2-7 " " "		

Sampled By:

DAVID Cofield Jr

Date: 11/11/13

Received By:

WU KOW

Date: 11/11/13

Time:

Time: 1530

Relinquished By:

DAVID Cofield Jr

Date: 11/11/13

Received By:

Date: 1/1

Time: 1530

Time:

Comments:

Temp 17.2 No FCE #1

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG
 Project: Tonawanda Forge
 Building/Location: Tonawanda Forge Site
 Contact: David Cofield Jr. (716) 856-5636 Ext.1330
 Fax Results to: David Cofield Jr. (716) 856-2545
 Mail Report and Invoice: URS Corporation
 URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 3 of
 Date: 11/14/13
 Project Number: 111767182.00002
 Turnaround Requested: RUSH
 24 Hour
 48 Hour
 X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
A3-1	BLK CURTING ON BRICK	A3-1 NE CORNER		
A3-2	TAN FLOOR TILE	A3-1 NE AREA		
A3-3	TAN FLOOR TILE MASTIC	A3-1 NE AREA		
A3-4	GRAY FLOOR TILE	A3-1 SE AREA		
A3-5	GRAY FLOOR TILE MASTIC	A3-1 SE AREA		
A3-6	GRAY FLOOR Leveling compound	A3-1 NW AREA		

Sampled By: DAVID COFIELD JR Date: 11/11/13 Received By: Chen Kow Date: 11/11/13
 Time: Time: 1530
 Relinquished By: DAVID COFIELD JR Date: 11/11/13 Received By: Date: 1/1
 Time: 1530 Time:

Comments: Temp 17.2 No ICE

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG
 Project: Tonawanda Forge
 Building/Location: Tonawanda Forge Site
 Contact: David Cofield Jr. (716) 856-5636 Ext.1330
 Fax Results to: David Cofield Jr. (716) 856-2545
 Mail Report and Invoice to: URS Corporation
URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 4 of
 Date: 11/4/13
 Project Number: 1117682,00002
 Turnaround Requested: RUSH
 24 Hour
 48 Hour
 X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
A4-1	BLK COATING ON FOAM	EAST CENTRAL WALL A4		
A4-2	THICK DRYWALL DEBRIS	" " " A4		
A4-3	TAN F.T. SPECKLED	" " " A4		
A4-4	TAN F.T. MASTIC	" " AREA A4		
A4-5	LOVE BASE MOLDING (BRN)	" " WALL A4		
A4-6	" " " Mastic (TAN)	" " WALL A4		
A4-7	BLK BUILT-UP ROOFING	" " WALL A4		

Sampled By: DAVID COFIELD JR Date: 11/4/13 Received By: [Signature] Date: 11/11/13
 Time: Time: 1530
 Relinquished By: DAVID COFIELD JR Date: 11/11/13 Received By: Date: 11/11/13
 Time: 1530 Time:

Comments: Temp 17.2 NO FCE #1

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG

Project: Tonawanda Forge

Building/Location: Tonawanda Forge Site

Contact: David Cofield Jr. (716) 856-5636 Ext.1330

Fax Results to: David Cofield Jr. (716) 856-2545

Mail Report and Invol URS Corporation

URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 6 of

Date: 10/4/13

Project Number: 11176982.00002

Turnaround Requested: RUSH

24 Hour

48 Hour

X 3-5 Day

[illegible]

Sampled By:

DAVID COFIELD JR

Date: 11/4/13

Received By:

Unknown

Date: 11/11/13

Time: 1530

Relinquished By:

DAVID COFIELD Jr

Date: 11/11/13

Received By:

Date: / /

Time: _____

Comments:

Temp $17.2 \pm 0.1^\circ \text{C}$

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG

Project: Tonawanda Forge

Building/Location: Tonawanda Forge Site

Contact: David Cofield Jr. (716) 856-5636 Ext.1330

Fax Results to: David Cofield Jr. (716) 856-2545

Mail Report and Invoicing URS Corporation

URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 6 of 6

Date: 11/4/13

Project Number: 1117698/2 00002

Turnaround Requested: RUSH

24 Hour

48 Hour

3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
A6-1	DRY WALL THICK	A6 NE AREA		
A6-2	BLK EXPANSION JOINT	A6 NORTH CENTRAL AREA		
A6				
A7-1	BLK COATING ON FURN	A7 SE AREA WATER VALVE		
A7-2	BLK EXPANSION JOINT	A7 SW AREA CENTRAL		
:				
A8-1	MIX GRANULAR FLAKY DEBRIS	A8 CENTRAL AREA WALL		
A8-2	RED FLOOR COATING (THICK)	A8 CENTRAL AREA		
A8				

Sampled By:

DAVID C. FIELD JR

Date: 11/4/13

Received By:

Date: 11/11/12

Time: 1530

Relinquished By:

DAVID COFIELD JR

Date: 4/1/13

Received By:

Date: 1 / 1 /

Time: _____

Comments:

Temp 17.2 NOICE #1

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG

Project: Tonawanda Forge

Building/Location: Tonawanda Forge Site

Contact: David Cofield Jr. (716) 856-5636 Ext.1330

Fax Results to: David Cofield Jr. (716) 856-2545

Mail Report and Invoicing URS Corporation

URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 7 of 7

Date: 11/4/13

Project Number: 111/767P3 GACU2

Turnaround Requested: **RUSH**

24 Hour

48 Hour

X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
A9-1	TERRACOTA TILE MASTIC (TAN)	A9 NW AREA		
A9-2	" " GROUT (GRAY)	A9 NW AREA		
A9-3	" COVE BASE MASTIC (TAN)	A9 NW AREA		
A9-4	12"x12" BLUE TILE MASTIC TAN	A9 SW AREA		
A9-5	" " " GROUT (BLK)	A9 SW AREA		
A10-1	BROWN Cork Board	A10 NORTH CENTRAL AREA		
A11-1	TRANSIT DEBRIS	A11 CENTRAL AREA		
A11-2	MIX GRANULAR FLOCKY DEBRIS	A10 CENTRAL AREA		

Sampled By:

DAVID C. FIELD JR Date: 11/4/13

Time:

Received By:

Unbekannt

Date: 10/11/12

Time: 1530

Relinquished By:

DAVID COFFEY JR Date: 11/11/82

Time: 1 530

Received By:

Date: / /

Time: _____

Comments:

Temp 17.2 No ICE #1

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG
 Project: Tonawanda Forge
 Building/Location: Tonawanda Forge Site
 Contact: David Cofield Jr. (716) 856-5636 Ext.1330
 Fax Results to: David Cofield Jr. (716) 856-2545
 Mail Report and Invol URS Corporation
 URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 8 of
 Date: 11/4/13
 Project Number: 11176982.00002
 Turnaround Requested: RUSH
 24 Hour
 48 Hour
 X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
A11-3	BROWN LAYERED BOARD	A11 CENTRAL AREA		
A11-4	BLK BUILT-UP ROOFING	A11 CENTRAL AREA		
A11-5	BLK FLASHING CEMENT	A11 " "		
B1-1	TRANSITE BOAR & DEBRIS	B1 NORTH CENTRAL		
B1-2	BLK BUILT-UP ROOFING LAYER B1			
B1-3	BLK TAR PAPER ROOFING	B1 NW AREA		
B1-4	BLK ROOF SHINGLES	B1 CENTRAL AREA		
B1-5	WHITE/GRAY PARTICULATE	B1 CENTRAL AREA		
B1-6	GRAY FLOOR TILE DEBRIS	B1 CENTRAL AREA		
B1-7	SILVER COATED OVER MESH	B1 " "		

Sampled By: DAVID COFIELD JR Date: 11/4/13 Received By: ChauKoon Date: 11/11/13
 Time: Time: 1530
 Relinquished By: DAVID COFIELD JR Date: 11/11/13 Received By: Date: 1/1
 Time: 1530 Time:

Comments: Temp 17.2 NOISE #1

CHAIN OF CUSTODY
EMLab ID: 1138539

EMLab P&K

Job Name: 1138539
Job Location: Tonawanda Forge
Job #: 11176982.00002

Sample ID	Description	Sample Type	Sample Date	Measurement	Analysis	Turnaround
A1-1	Blk Built-up Roofing (Layered)	Bulk sample	11/01/2013			
A1-2	Blk Tar Paper Roofing	Bulk sample	11/01/2013			
A1-3	Blk Roof Shingles	Bulk sample	11/01/2013			
A1-4	White/Gray Particulate	Bulk sample	11/01/2013			
A1-5	Blk Rool Roofing	Bulk sample	11/01/2013			
A1-6	Blk Coating on Foam	Bulk sample	11/01/2013			
A1-7	12x12 Gray Floor Foam	Bulk sample	11/01/2013			
A1-8	Silver Coat End mesh on Built-up Roofing	Bulk sample	11/01/2013			
A2-1	Brn Layered Board	Bulk sample	11/01/2013			
A2-2	Brn/Blk Thick Gasget	Bulk sample	11/01/2013			
A2-3	Blk Coating on Brick	Bulk sample	11/01/2013			
A2-4	Tan Speckled F.T.	Bulk sample	11/01/2013			
A2-5	(Blk) Tan Speckeld F.T. Mastic	Bulk sample	11/01/2013			
A2-6	Gray Speckled F.T.	Bulk sample	11/01/2013			
A2-7	(Blk) Gray Speckled FT Mastic	Bulk sample	11/01/2013		Not enough accessible mastic for analysis	LC present - sufficient for analysis
A3-1	Blk Coating on Brick	Bulk sample	11/01/2013			
A3-2	Tan Floor Tile	Bulk sample	11/01/2013			
A3-3	Tan Floor Tile Mastic	Bulk sample	11/01/2013			
A3-4	Gray Floor Tile Mastic	Bulk sample	11/01/2013		No visible mastic / Cement (LC) present - sufficient for analysis	
A3-5	Gray Floor Tile Mastic	Bulk sample	11/01/2013			
A3-6	Gray Floor Leveling Comp.	Bulk sample	11/01/2013			
A4-1	Blk Coating on Foam	Bulk sample	11/01/2013			
A4-2	Thick Drywal Debris	Bulk sample	11/01/2013			
A4-3	Tan F.T. Speckled	Bulk sample	11/01/2013			
A4-4	Tan F. T. Mastic	Bulk sample	11/01/2013			
A4-5	Cove Base Molding (Brn)	Bulk sample	11/01/2013			
A4-6	Cove Base Molding Mastic (Tan)	Bulk sample	11/01/2013			

A4-7	Blk Built-up Roofing	Bulk sample	11/01/2013	Blk/White DUH
A5-1	Drywall Thick	Bulk sample	11/01/2013	
A5-2	Drywall Joint Compound	Bulk sample	11/01/2013	
A5-3	Blk Cove Base	Bulk sample	11/01/2013	
A5-4	Blk Cove Base Mastic	Bulk sample	11/01/2013	No visible mastic / insufficient material for analysis DUH
A6-1	Drywall Thick	Bulk sample	11/01/2013	
A6-2	Blk Expansion Joint	Bulk sample	11/01/2013	
A7-1	Blk Coating on Foam	Bulk sample	11/01/2013	
A7-2	Blk Expansion Joint	Bulk sample	11/01/2013	
A8-1	Mix Granular Flacky Debris	Bulk sample	11/01/2013	
A8-2	Red Floor Coating (Thick)	Bulk sample	11/01/2013	
A9-1	Terracuta Tile Mastic (tan)	Bulk sample	11/01/2013	
A9-2	Terracuta Tile Grout (Gray)	Bulk sample	11/01/2013	
A9-3	Terracuta Cove Base Mastic (Tan)	Bulk sample	11/01/2013	
A9-4	12"x12 Blue Tile Mastic Tan	Bulk sample	11/01/2013	No visible mastic / Tan Cement material (possible LC)
A9-5	12"x12 Blue Tile Grout (Blk)	Bulk sample	11/01/2013	
A10-1	Brown Cork Board	Bulk sample	11/01/2013	
A11-1	Transit Debris	Bulk sample	11/01/2013	
A11-2	Mix Granular Flacky Debris	Bulk sample	11/01/2013	Transite / Cement / Tan / Cement / Blk / Cement / Blk / Debris / Mastic / RT
A11-3	Brown Layered Board	Bulk sample	11/01/2013	
A11-4	Blk Built-up Roll Roofing	Bulk sample	11/01/2013	
A11-5	Blk Flashing Cement	Bulk sample	11/01/2013	
B1-1	Transite Board & Debris	Bulk sample	11/01/2013	
B1-2	Blk Built-up Roofing Layer	Bulk sample	11/01/2013	
B1-3	Blk Tar Paper Roofing	Bulk sample	11/01/2013	
B1-4	Blk Roof Shingles	Bulk sample	11/01/2013	
B1-5	White/Gray Particulate	Bulk sample	11/01/2013	
B1-6	Gray Floor Tile Debris	Bulk sample	11/01/2013	Floor Tile / Leveling Compound
B1-7	Silver Coated Over Mesh	Bulk sample	11/01/2013	Mesh / Blk DUH

1. Relinquished by: [Signature] Date: 11/17/13 Received by: _____
 Date: _____

2. Relinquished by: _____ Date: _____ Received by: _____
 Date: _____

3. Relinquished by: _____ Date: _____ Received by: _____ Date: _____



CERTIFICATE OF ANALYSIS

Client:	EMLab P&K	Job Name:	1138896	Chain of Custody:	517190
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/21/2013
	Marlton, New Jersey 08053	Job Number:	1176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

Page 1 of 7

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
14010199	B 2-1	Whole	NAD	NAD	NAD		91.2%	4.3%	4.5%	FLS	Black	
14010200	B 2-2	Whole	NAD	NAD	NAD		67.7%	30.2%	2.1%	GK	Black	
14010201	B 3-1	Whole	NAD	NAD	NAD		25.1%	19.8%	55.1%	Brick	Black	
14010202	B 3-2	Whole	NAD	NAD	NAD		15.9%	5.6%	78.5%	Coating	Gray	
14010203	B 5-1	Whole	NAD	NAD	NAD		12.5%	80.6%	6.9%	FT	Gray	
14010204	B 6-1	Whole	NAD	NAD	NAD		78.0%	13.5%	8.5%	EJ	Blk/Gray	
14010205	B 6-2 Blue	Whole	NAD	NAD	NAD		13.7%	4.6%	81.7%	Coating	Blue	
14010206	B 6-2 Grey	Whole	NAD	NAD	NAD		5.8%	63.2%	31.0%	Coating	Gray	
14010207	B 6-2 Brown	Whole	NAD	NAD	NAD		18.4%	25.8%	55.8%	Coating	Brown	
14010208	B 7-1	Whole	NAD	NAD	NAD		60.2%	2.2%	37.6%	Tar P.	Black	
14010209	B 7-2	Whole	3.2%	3.2%	N/A	Chrysotile	59.7%	8.0%	29.1%	RS	Black	Not analyzed by TEM - Positive Stop
14010210	B 7-3	Whole	TR	NAD	TR	Chrysotile	74.2%	10.2%	15.4%	Roof	Black	

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CERTIFICATE OF ANALYSIS

Client:	EMLab P&K	Job Name:	1138896	Chain of Custody:	517190
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/21/2013
	Marlton, New Jersey 08053	Job Number:	1176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

Page 2 of 7

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
14010211	B 7-4	Whole	NAD	NAD	NAD		96.2%	1.8%	2.0%	GB	Brown	
14010212	B 9-1	Whole	NAD	NAD	NAD		61.8%	4.1%	34.1%	RS	Blk/Gray	
14010213	B 9-2	Whole	NAD	NAD	NAD		39.0%	24.2%	36.8%	LC	Off-White	
14010215	B 9-3	Whole	TR	NAD	TR	Chrysotile	98.4%	0.3%	1.3%	Coating	Black	
14010216	B 10-1	Whole	N/A	N/A	N/A		98.1%	1.4%		NP	Gray	Sample Not Analyzed: >99% of material lost to gravimetric reduction. Material is non-ACM.
14010217	B 10-2	Whole	NAD	NAD	NAD		36.7%	14.7%	48.6%	Coating	Silver	
14010219	B 10-3	Whole	NAD	NAD	NAD		56.0%	8.2%	35.8%	RS	Gray	
14010220	B 10-4	Whole	NAD	NAD	NAD		23.9%	51.4%	24.7%	Coating	White	
14010221	B 11-1	Whole	N/A	N/A	N/A		99.1%	-0.6%		Debris	Gray	Sample Not Analyzed: >99% of material lost to gravimetric reduction. Material is non-ACM.
14010223	B 11-2	Whole	NAD	NAD	NAD		24.8%	55.3%	19.9%	Coating	White	
14010224	C 2-1	Whole	NAD	NAD	NAD		83.0%	8.3%	8.7%	EJ	Black	

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CERTIFICATE OF ANALYSIS

Client:	EMLab P&K	Job Name:	1138896	Chain of Custody:	517190
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/21/2013
	Marlton, New Jersey 08053	Job Number:	1176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

Page 3 of 7

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
14010225	C 2-2	Whole	NAD	NAD	NAD		82.7%	8.6%	8.7%	EJ	Black	
14010226	C 2-3	Whole	NAD	NAD	NAD		86.7%	9.1%	4.2%	EJ	Black	
14010227	C 3-1	Whole	TR	NAD	TR	Chrysotile	81.7%	7.2%	11.1%	EJ	Black	
14010228	C 7-1	Whole	2.1%	2.1%	N/A	Chrysotile	49.5%	13.8%	34.6%	Galbestos	Black	Not Analyzed by TEM - Positive Stop
14010229	C 7-2	Whole	NAD	NAD	NAD		65.0%	18.2%	16.8%	EJ	Black	
14010232	C 10-1	Whole	NAD	NAD	NAD		85.7%	8.6%	5.7%	Canvas	Black	
14010233	C 11-1	Whole	NAD	NAD	NAD		67.5%	5.9%	26.6%	GK	Black	
14010234	D 9-1	Whole	NAD	NAD	NAD		19.3%	6.5%	74.2%	Coating	Blue	
14010236	D 7-1	Whole	NAD	NAD	NAD		66.6%	10.9%	22.5%	Coating	Gray	
14010238	D 2-1	Whole	NAD	NAD	NAD		82.5%	7.2%	10.3%	EJ	Black	
14010239	E 4-1	Whole	NAD	NAD	NAD		63.4%	18.2%	18.4%	CK	White	
14010240	E 8-1	Whole	NAD	NAD	NAD		19.8%	10.3%	69.9%	Coating	Tan	

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Client:	EMLab P&K	Job Name:	1138896	Chain of Custody:	517190
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/21/2013
	Marlton, New Jersey 08053	Job Number:	1176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

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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
14010242	E 9-1	Whole	NAD	NAD	NAD		66.7%	9.1%	24.2%	RS	White/Blk	
14010244	E 10-1 Black	Whole	NAD	NAD	NAD		79.5%	3.2%	17.3%	Coating	Black	
14010245	E 10-1 Silver Paint	Whole	TR	NAD	TR	Chrysotile	79.3%	1.6%	19.1%	Coating	Silver	
14010246	E 11-1	Whole	6.5%	6.5%	N/A	Chrysotile	44.0%	15.4%	34.1%	Galbestos	Black	Not Analyzed by TEM - Positive Stop
14010247	F 10-1	Whole	17%	17%	N/A	Chrysotile	47.3%	7.1%	29.0%	Wire	Multi	Not Analyzed by TEM - Positive Stop
14010248	F 10-2	Whole	NAD	NAD	NAD		94.0%	4.1%	1.9%	GK	Black	
14010249	F 5-1	Whole	NAD	NAD	NAD		71.1%	14.6%	14.3%	CK	White	
14010250	F 4-1	Whole	NAD	NAD	NAD		14.2%	30.0%	55.8%	Coating	Black	
14010251	G 5-1	Whole	NAD	NAD	NAD		91.9%	4.6%	3.5%	FLS	Black	
14010252	G 5-2	Whole	5.9%	5.9%	N/A	Chrysotile	40.8%	44.5%	8.8%	FLS	Black	Not Analyzed by TEM - Positive Stop
14010254	G 7-1	Whole	1.5%	1.5%	N/A	Chrysotile	46.3%	45.2%	7.0%	NP	Multi	Not Analyzed by TEM - Positive Stop

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CERTIFICATE OF ANALYSIS

Client:	EMLab P&K	Job Name:	1138896	Chain of Custody:	517190
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/21/2013
	Marlton, New Jersey 08053	Job Number:	1176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

Page 5 of 7

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
14010256	L 7-1 FT	Whole	NAD	NAD	NAD		37.2%	61.8%	1.0%	FT	Off-White	
14010257	L 7-1 LC	Whole	NAD	NAD	NAD		31.4%	58.9%	9.7%	LC	Gray	
14010258	M 1-1	Whole	NAD	NAD	NAD		56.2%	14.4%	29.4%	JC	Black	
14010259	O 7-1	Whole	11%	11%	N/A	Chrysotile	42.1%	7.6%	39.1%	FLS	Black	Not Analyzed by TEM - Positive Stop.
14010260	R 4-1	Whole	NAD	NAD	NAD		82.7%	8.6%	8.7%	CK	Gray	
14010261	R 4-2	Whole	TR	TR	TR	Amosite	75.1%	14.7%	10.2%	CK	Gray	
14010262	P 7-1	Whole	NAD	NAD	NAD		42.0%	56.3%	1.7%	CK	Gray	
14010263	R 4-3	Whole	1.6%	1.6%	N/A	Amosite, Chrysotile	36.4%	35.2%	26.8%	IN	White	0.2 % Amosite, 1.4% Chrysotile. Not Analyzed by TEM - Positive Stop.
14010264	R 4-4	Whole	3.8%	3.8%	N/A	Amosite, Chrysotile	66.6%	28.2%	1.5%	IN	White	3.5% Amosite, 0.3% Chrysotile. Not Analyzed by TEM - Positive Stop.
14010265	R 4-5	Whole	6.7%	6.7%	N/A	Amosite, Chrysotile	47.9%	44.3%	1.1%	IN	White	6.3% Amosite, 0.4% Chrysotile. Not Analyzed by TEM - Positive Stop.

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CERTIFICATE OF ANALYSIS

Client:	EMLab P&K	Job Name:	1138896	Chain of Custody:	517190
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/21/2013
	Marlton, New Jersey 08053	Job Number:	1176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

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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
14010266	R 4-6	Whole	NAD	NAD	NAD		58.3%	21.1%	20.6%	IN	White	
14010267	R 4-7	Whole	NAD	NAD	NAD		65.4%	15.6%	19.0%	IN	White	
14010268	R 4-8	Whole	TR	NAD	TR	Amosite, Chrysotile	55.1%	18.8%	25.5%	IN	White	0.5% Amosite, <0.1% Chrysotile
14010269	S 4-1 Shingle	Whole	8.4%	TR	8.4%	Chrysotile	67.4%	4.8%	19.5%	Shingle	Black	
14010270	S 4-1 BUR	Whole	2.1%	2.1%	N/A	Chrysotile	85.4%	3.5%	9.0%	BUR	Black	Not Analyzed by TEM - Positive Stop
14010271	S 4-2	Whole	TR	TR	TR	Chrysotile	92.2%	1.6%	6.1%	BUR	Black	
14010272	S 4-3	Whole	5.7%	5.7%	N/A	Chrysotile	77.0%	5.9%	11.4%	FLS	Black	Not Analyzed by TEM - Positive Stop
14010274	S 4-4	Whole	3.7%	3.7%	N/A	Chrysotile	75.8%	10.4%	10.1%	FLS	Black	Not Analyzed by TEM - Positive Stop
14010276	S 4-5	Whole	NAD	NAD	NAD		43.8%	26.2%	30.0%	PB	White	
14010277	S 4-6	Whole	NAD	NAD	NAD		71.8%	12.3%	15.9%	PB	White	
14010278	S 4-7	Whole	NAD	NAD	NAD		43.6%	21.3%	35.1%	PB	White	

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CERTIFICATE OF ANALYSIS

Client:	EMLab P&K	Job Name:	1138896	Chain of Custody:	517190
Address:	3000 Lincoln Drive East, Suite A	Job Location:	Tonawanda Forge	Date Analyzed:	11/21/2013
	Marlton, New Jersey 08053	Job Number:	1176982.00002	Person Submitting:	Kim Thomas
Attention:	Kim Thomas	P.O. Number:	Not Provided		

Page 7 of 7

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
14010279	S 4-8	Whole	3.5%	3.5%	N/A	Chrysotile	64.9%	15.9%	15.7%	FLS	Black	Not Analyzed by TEM - Positive Stop
14010281	S 4-9	Whole	4%	4%	N/A	Chrysotile	70.3%	3.8%	21.9%	FLS	Black	Not Analyzed by TEM - Positive Stop
14010282	S 5-1	Whole	NAD	NAD	NAD		70.8%	6.0%	23.2%	MS	Black	
14010283	S 5-2	Whole	TR	NAD	TR	Chrysotile	60.3%	9.7%	29.9%	MS	Black	
14010284	S 5-3	Whole	TR	NAD	TR	Chrysotile	76.5%	11.7%	11.6%	MS	Black	

* 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)

A. Cao/A. Sald./M. Gmbrg/L. Btrk/S. Wtsn/P. Chaik

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

Please analyze any sample with multiple layers that are not listed in the sample location/identification on the COC & perform TEM on inconclusive samples.
Also, please confirm that samples were received.
Thank you!

11/24/2024

150202

210 REV. 6.08



AMA Analytical Services, Inc.
Focused on Results www.ama-lab.com
A1HA (#10470) 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 Inquiries)

517190

Mailing/Billing Information:

1. Client Name: **EMLab P&K, LLC - Marlton, NJ**
2. Address 1: **3000 Lincoln Drive East, Suite A**
3. Address 2: **Marlton, NJ 08053**
4. Address 3: **866-871-1984**
5. Phone #: **866-871-1984**

Submittal Information:

1. Job Name: **11388960**
2. Job Location: **100 ALUMINA Forge**
3. Job #: **113698700002** P.O. #: **113698700002**
4. Contact Person: **Kim Thomas** @ phone #: **866-871-1984**
5. Submitted by: **Kim Thomas** Signature: *[Signature]*

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)

☐ Immediate Date Due: _____
☐ 24 Hours Time Due: _____
Comments: _____

NORMAL BUSINESS HOURS

☐ Immediate ☐ 3 Day ☐ Results Required By Noon
☐ Next Day ☒ 5 Day + (Every Attempt Will Be
☐ 2 Day Date Due: **11/26/10** Made to Accommodate)

REPORT TO:

☒ Include COC/Field Data Sheets with Report
☐ Email: _____
☐ Fax: _____
☐ Verbal: _____

Contact Information:

Kim Thomas
866-871-1984

Email Results:

kthomas@emlabpk.com
nrovegno@emlabpk.com

Asbestos Analysis

PCAL 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) _____
☐ EPA Point Count (QTY) _____
☐ NY State Friable 198.1 (QTY) _____
☐ Grav. Reduction ELAP 198.6 (QTY) _____
☐ Other (specify) _____ (QTY) _____

MISC:

☐ Vermiculite
☐ Asbestos Soil PLM (Qty) PLM (Qty) PLM/TEM (Qty) PLM/TEM (Qty)

TEM Bulk

☐ ELAP 198.4/Chatfield (QTY) _____
☒ NY State PLM/TEM (QTY) **107**
☐ Residual Ash (QTY) _____

TEM Dust

☐ Qual. (presubst) Vacuum/Dust (QTY) _____
☐ Quan. (dust) Vacuum DSX5-95 (QTY) _____
☐ Quan. (dust) Dust D6480-99 (QTY) _____

TEM Water

☐ Qual. (presubst) (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)

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 Space Traps/Air Samples:

Collection Media:
☐ Spec-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) _____

CLIENT ID NUMBER	SAMPLE INFORMATION		VOLUME (LITERS)	WIPE AREA	ANALYSIS										MATRIX					CLIENT CONTACT		
	SAMPLE LOCATION/ IDENTIFICATION	DATE			TEM	PCN	PLM	LEAD	MOLD	AIR	BULK	DUST	INSTR	ANALYST	QA/QC	TA02	SW00	(LABORATORY STAFF ONLY)				
11388960	100 ALUMINA Forge	11/13/10			X		X											Date/Time:	Contact:	By:		
11388960	100 ALUMINA Forge																					
11388960	100 ALUMINA Forge																	Date/Time:	Contact:	By:		
																		Date/Time:	Contact:	By:		

LABORATORY
STAFF ONLY:
(CUSTODY)

1. Date/Time RCVD: **11/13/10 @ 10:15** Via: **FedEx** By (Print): **Kim Thomas** Sign: *[Signature]*
2. Date/Time Analyzed: **11/21/10 @ 1:15** By (Print): **Michael Greenberg** Sign: *[Signature]*
3. Results Reported To: _____ Via: _____ Date: _____ / _____ / _____ Time: _____ Initials: _____
4. Comments: _____

CHAIN OF CUSTODY

ENLab P&K

Job Name: 1138896

Job Location: Tonawanda Forge

Job: 11176982.00002

Sample ID	Description	Sample Type	Sample Date	Measurement	Analysis	Turnaround
B2-1	Blk Flashing Over Wood	Bulk sample	11/04/2013			
B2-2	Blk Thick Gasket	Bulk sample	11/04/2013			
B3-1	Blk Refractory Brick	Bulk sample	11/04/2013			
B3-2	Light Gray Floor Coating	Bulk sample	11/04/2013			
B5-1	Gray 1'x1' FT	Bulk sample	11/04/2013			
B6-1	Blk/Gray Expansion Joint	Bulk sample	11/04/2013			
B6-2	Blue Thick Floor Coating	Bulk sample	11/04/2013			
B7-1	Blk Tar Paper	Bulk sample	11/04/2013			
B7-2	Blk Roof Shingles	Bulk sample	11/04/2013			
B7-3	Blk Roll Roofing	Bulk sample	11/04/2013			
B7-4	Brn Layer Board	Bulk sample	11/04/2013			
B9-1	Gray Roof Shingles	Bulk sample	11/04/2013			
B9-2	Off White Floor Leveling Comp.	Bulk sample	11/04/2013			
B9-3	Blk Coating on Brick	Bulk sample	11/04/2013			
B10-1	White/Gray Particulate	Bulk sample	11/04/2013			
B10-2	Silver Coating Mesh on Built-up	Bulk sample	11/04/2013			
B10-3	Gray Roof Singles	Bulk sample	11/04/2013			
B10-4	White Coating Over Fiber Board Thin	Bulk sample	11/04/2013			
B11-1	Gray Trasite Board Debris	Bulk sample	11/04/2013			
B11-2	White Coating Over Fiber Board Thin	Bulk sample	11/04/2013			
C2-1	Blk Expansion Joint (Box)	Bulk sample	11/04/2013			
C2-2	Blk Expansion Joint (Box)	Bulk sample	11/04/2013			
C2-3	Blk Expansion Joint	Bulk sample	11/04/2013			
C3-1	Blk Expansion Joint (Box)	Bulk sample	11/04/2013			
C7-1	Blk Galbestos on Steels	Bulk sample	11/04/2013			
C7-2	Bulk Expansion Joint/Flashing	Bulk sample	11/04/2013			
C10-1	Blk Thick Cawas Duct Material	Bulk sample	11/04/2013			
C11-1	Blk Thick Rubber Gasket	Bulk sample	11/04/2013			
D9-1	Blue Thick Flor Coating	Bulk sample	11/04/2013			
D7-1	Gray Light Floor Coating	Bulk sample	11/04/2013			

ENLAB

18554894085

11/11/2013 14:47

2

D2-1	Blk Expansion Joint	Bulk sample	11/04/2013
E4-1	White Caulking	Bulk sample	11/04/2013
E8-1	Blue Thick Floor Coating	Bulk sample	11/04/2013
E9-1	White Roof Shingles	Bulk sample	11/04/2013
E10-1	Silver Mesh Coating Over Flashing	Bulk sample	11/04/2013
E11-1	Blk Gelbestos on Steel	Bulk sample	11/04/2013
F10-1	Gray/Blk Mesh Cable Cover	Bulk sample	11/04/2013
F10-2	Blk Gasket Thick	Bulk sample	11/04/2013
F5-1	White Cailking on Seam	Bulk sample	11/04/2013
F4-1	Dark Blue Thick Foor Coating	Bulk sample	11/04/2013
G5-1	Blk Roof Flashing Cement	Bulk sample	11/04/2013
G5-2	Silver Mesh Coating of Flashing	Bulk sample	11/04/2013
G7-1	Blk Galbestos on Steel	Bulk sample	11/04/2013
L7-1	Off White Tick Floor Coating	Bulk sample	11/04/2013
M1-1	Blk Expansion Joint	Bulk sample	11/04/2013
O7-1	Blk Roof Flashing	Bulk sample	11/04/2013
R4-1	Gray Pipe Seam Caulk	Bulk sample	11/04/2013
R4-2	Gray Pipe Seam Caulk	Bulk sample	11/04/2013
R7-1	Blk Window Caulking	Bulk sample	11/04/2013
R4-3	White Mud Insulation	Bulk sample	11/04/2013
R4-4	White Mud Insulation	Bulk sample	11/04/2013
R4-5	White Mud Insulation	Bulk sample	11/04/2013
R4-6	Silver Backing Over FG Insl	Bulk sample	11/04/2013
R4-7	Silver Backing Over FG Insl	Bulk sample	11/04/2013
R4-8	Silver Backing Over FG Insl	Bulk sample	11/04/2013
S4-1	Blk Built-up Roofing	Bulk sample	11/04/2013
S4-2	Gray Built-up Roofing	Bulk sample	11/04/2013
S4-3	Gray Penitiation Flashing	Bulk sample	11/04/2013
S4-4	Gray Penitiation Flashing	Bulk sample	11/04/2013
S4-5	White Backing over FH Insl	Bulk sample	11/04/2013
S4-6	White Backing over FH Insl	Bulk sample	11/04/2013
S4-7	White Backing over FH Insl	Bulk sample	11/04/2013
S4-8	Gray Perimeter Flashing	Bulk sample	11/04/2013
S4-9	Gray Perimeter Flashing	Bulk sample	11/04/2013
S5-1	Blk Coating Over FG Insul.	Bulk sample	11/04/2013
S5-2	Blk Coating Over FG Insul.	Bulk sample	11/04/2013
S5-3	Blk Coating Over FG Insul.	Bulk sample	11/04/2013

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG

Project: Tonawanda Forge

Building/Location: Tonawanda Forge Site

Contact: David Cofield Jr. (716) 856-5636 Ext.1330

Fax Results to: David Cofield Jr. (716) 856-2545

Mail Report and Invoi URS Corporation

URS Corporation 77 Goodell Street Buffalo, NY 14203

Page 9 of

Date: 11/4/13

Project Number: 11767P2.00002

Turnaround Requested: RUSH

24 Hour

48 Hour

X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
B2-1	BLK FLASHING-OVER WOOD	B2 CENTRAL AREA		
B2-2	BLK THICK GASKET	B2 NORTH CENTRAL		
B2-3	BLK RETRACTOR BRICKS	B2 NW AREA		
B3-1	BLK REFRACTOR BRICK	B3 NW AREA		
B3-2	LIGHT GRAY FLOOR COATING	B3 NW AREA		
B5-1	GRAY 1X1 FT	B5 NE AREA		
B5-2	11" 11" BLK PLASTIC	B5 NE AREA		
B6-1	BLK/GRAY EXPANSION JOINT	B6 NE AREA		
B6-2	BLUE THICK FLOOR COATING	B6 NW AREA Blue/Grey Brown		
7				

Sampled By:

DAVID COFIELD JR

Date: 11/4/13

Received By:

Gaby J. P. TA

Date: 11/12/13

Time:

Time: 15:30

Relinquished By:

DAVID COFIELD JR

Date: 11/12/13

Received By:

Date: 1/1

Time:

Time:

Comments:

14.081

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG

Project: Tonawanda Forge

Building/Location: Tonawanda Forge Site

Contact: David Cofield Jr. (716) 856-5636 Ext.1330

Fax Results to: David Cofield Jr. (716) 856-2545

Mail Report and Invoic URS Corporation

URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 10 of 10

Date: 11/4/13 - 11/5/13

Project Number: 1116982.00002

Turnaround Requested: RUSH

24 Hour

48 Hour

X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
B7-1	BLK TAR PAPER	B7 SE AREA		
B7-2	BLK ROOF SHINGLES	B7 SE AREA		
B7-3	BLK ROLL ROOFING	B7 SOUTH CENTRAL		
B7-4	BRN LAYER BOARD	B7 " "		
7				
B9-1	GRAY ROOF SHINGLES	B9 NW AREA		
B9-2	OFF WHITE FLOOR Leveling Comp.	B9 NW AREA Brown/Drk Green		
B9-3	BLK COATING ON BRICK	B9 NW AREA		
B10-1	WHITE/GRAY PARTICULATE	B10 SOUTH CENTRAL AREA		
B10-2	SILVER COATING MESH ON BUILT-UP	B10 " " "	mesh	Tar Paper

Sampled By:

DAVID COFIELD JR. Date: 11/4/13

Time:

Received By:

19,081

Date: 11/12/13

Time: 1530

Relinquished By:

DAVID COFIELD JR. Date: 11/11/13

Time:

Received By:

Date: 1/1

Time:

Comments:

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG
 Project: Tonawanda Forge
 Building/Location: Tonawanda Forge Site
 Contact: David Cofield Jr. (716) 856-5636 Ext.1330
 Fax Results to: David Cofield Jr. (716) 856-2545
 Mail Report and Invol: URS Corporation
URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 1 of 1
 Date: 11/15/13
 Project Number: 1176982,00002
 Turnaround Requested: RUSH
24 Hour
48 Hour
X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
B10-3	GRAY ROOF SHINGLES	B10 NW AREA		
P B10-4	WHITE COATING OVER FIBER BOARD THIN	B10 NORTH CENTRAL AREA		
P B11-1	GRAY TRASH BOARD DEBRIS	B11 SE AREA Grey/Brown		
B11-2	WHITE COATING OVER FIBER BOARD THIN	B11 NW AREA		
P C2-1	BLK EXPANSION JOINT (BOX)	C2- 15" X 15" BOX		
C2-2	BLK " " (BOX)	C2 " "		
P C2-3	BLK " "	C2 BETWEEN CONCRETE SLABS		
P C3-1	BLK EXPANSION JOINT	C3 CENTRAL EDGE		

Sampled By:

DAVID COFIELD JR

Date: 11/15/13

Time: _____

Received By:

[Signature] BUFFALO

Date: 11/12/13

Time: 1530

Relinquished By:

DAVID COFIELD JR

Date: 11/12/13

Time: _____

Received By:

Date: 1/1

Time: _____

Comments:

141041

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG
 Project: Tonawanda Forge
 Building/Location: Tonawanda Forge Site
 Contact: David Cofield Jr. (716) 856-5636 Ext.1330
 Fax Results to: David Cofield Jr. (716) 856-2545
 Mail Report and Invoice to: URS Corporation
URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 12 of 1
 Date: 11/5/13
 Project Number: 11176982.00002
 Turnaround Requested: RUSH
24 Hour
48 Hour
X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
C7-1	BLK GALBESTOS ON STEEL	C7 SE. AREA		
C7-2	BLK EXPANSION JOINT/FLASHING	C7 SW AREA SEMI CIRCLE	Black/Grey/Tan	
C10-1	BLK THICK CAVAS DUCT MATERIAL	C10 NORTH CENTRAL AREA		
C11-1	BLK THICK RUBBER GASKET	C11 SOUTH CENTRAL AREA		
D9-1	BLUE THICK FLOOR COATING	D9 SW AREA Blue/LC (Brown)		
D7-1	GRAY LIGHT FLOOR COATING	D7 CENTRAL AREA Grey/Brown		

Sampled By: DAVID COFIELD JR. Date: 11/5/13 Received By: [Signature] Date: 11/12/13
 Time: _____ Time: 1:530
 Relinquished By: DAVID COFIELD JR. Date: 11/12/13 Received By: _____ Date: 1/1
 Time: _____ Time: _____

Comments: _____

14081

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG

Project: Tonawanda Forge

Building/Location: Tonawanda Forge Site

Contact: David Cofield Jr. (716) 856-5636 Ext.1330

Fax Results to: David Cofield Jr. (716) 856-2545

Mail Report and Invol URS Corporation

URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 13 of

Date: 11/5/13

Project Number: 11176992.00002

Turnaround Requested: RUSH

24 Hour

48 Hour

X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
D2-1	BLK EXPANSION JOINT	D2 15x11 BOKS		
E4-1	WHITE CAULKING	E4 NORTH CENTRAL AREA		
E8-1	BLUE THICK FLOOR COATING	E8 SE AREA No blue material - Tan material present - sufficient for analysis		
E9-1	WHITE ROOF SHINGLES	E9 NE AREA		
E10-1	SILVER MESH COATING OVER FLASHING	E10 NE AREA	Mesh/Black/Silver Paint	
E11-1	BLK GELBESTOS ON STEEL	E11 SW AREA		

Sampled By:

DAVID COFIELD JR

Date: 11/5/13

Received By:

DAVID COFIELD JR

Date: 11/12/13

Time:

Time: 1530

Relinquished By:

DAVID COFIELD JR

Date: 11/12/13

Received By:

Date: 1/1

Time:

Time:

Comments:

1410 #1

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG

Project: Tonawanda Forge

Building/Location: Tonawanda Forge Site

Contact: David Cofield Jr. (716) 856-5636 Ext.1330

Fax Results to: David Cofield Jr. (716) 856-2545

Mail Report and Invoi URS Corporation

URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 17 of

Date: 11/6/13

Project Number:

Turnaround Requested: RUSH

24 Hour

48 Hour

X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
F10-1	GRAY/BLK MESH cable cover	F10 SW AREA		
F10-2	BLK GASKET THICK	F10 Central AREA		
F5-1	WHITE CAULKING ON SEAM	F5 SE AREA		
F4-1	DARK BLUE THICK FOAM COATING	F4 NORTH CENTRAL AREA		
G5-1	BLK ROOF FLASHING CEMENT	G5 WEST CENTRAL AREA		
G5-2	SILVER MESH COATING OF FLASHING	G5 " " "	Silver	Black
G7-1	BLK GALBESTOS ON STEEL	G7 SOUTH CENTRAL AREA	Black	Brown

Sampled By:

DAVID COFIELD Date: 11/12/13

Received By:

[Handwritten signature]

Date: 11/21/15

Time: 530

Relinquished By:

DAVID COFIELD JR Date: 11/12/13

Received By:

Date: 1/1/

Time: _____

Comments:

19.041

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG

Project: Tonawanda Forge

Building/Location: Tonawanda Forge Site

Contact: David Cofield Jr. (716) 856-5636 Ext.1330

Fax Results to: David Cofield Jr. (716) 856-2545

Mail Report and Invo: URS Corporation

URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 15 of 15

Date: 11/6/13 11/7/13

Project Number: _____

Turnaround Requested: _____ RUSH
 _____ 24 Hour
 _____ 48 Hour
 _____ X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
L7-1	OFF WHITE THICK ROOF COATING	L7 SOUTH CENTRAL AREA	FT/IC	
M1-1	BLK EX. FLASHING JOINT	M1 NORTH CENTRAL AREA		
O7-1	BLK ROOF FLASHING	O7 TOP OF CONCRETE platform		
R4-1	GRAY PIPE SEAM CAULK	R4 ON 8" DIA PIPE JACKET		
R4-2	" "	R4 ON 8" DIA PIPE JACKET		
P7-1	BLK window caulking	P7 SW AREA		

11/6/13

11/7/13

11/7

Sampled By: DAVID COFIELD JR Date: 11/6/13

Time: _____

Received By: [Signature]

Date: 11/12/13

Time: 1530

Relinquished By: DAVID COFIELD JR Date: 11/12/13

Time: _____

Received By: [Signature]

Date: 1/1

Time: _____

Comments: _____

14.0#1

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG

Project: Tonawanda Forge

Building/Location: Tonawanda Forge Site

Contact: David Cofield Jr. (716) 856-5636 Ext.1330

Fax Results to: David Cofield Jr. (716) 856-2545

Mail Report and Invo: URS Corporation

URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 1 of 10

Date: 11/8/13

Project Number: _____

Turnaround Requested: _____ RUSH

24 Hour

48 Hour

☒ 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
R4-3	WHITE MUD INSULATION	R4 ON PIPE VALVE		
R4-4	" "	R4 " "		
R4-5	" "	R4 " "		
R4-6	SILVER BACKING OVER FG INS	R4 8" PIPE		
R4-7	" " "	R4 8" PIPE		
R4-8	" " "	R4 8" PIPE		
S4-1	BLK BUILT UP ROOFING	S4 CENTRAL AREA Shingle	BUR	
S4-2	GRY " "	S4 " "		
S4-3	GRAY Penetration Flashing	S4 " " Black/Fiber		
S4-4	" " "	S4 " " Black/Fiber		

Sampled By: DAVID COFIELD JR

Date: 11/8/13

Received By: [Signature]

Date: 11/12/13

Time: _____

Time: 1530

Relinquished By: DAVID COFIELD JR

Date: 11/12/13

Received By: _____

Date: 1/1

Time: _____

Time: _____

Comments: _____

14,041

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Client: NYSEG

Project: Tonawanda Forge

Building/Location: Tonawanda Forge Site

Contact: David Cofield Jr. (716) 856-5636 Ext.1330

Fax Results to: David Cofield Jr. (716) 856-2545

Mail Report and Invo: URS Corporation

URS Corporation 77 Goodelle Street Buffalo, NY 14203

Page 172 of

Date: 11/8/13

Project Number:

Turnaround Requested: RUSH
 24 Hour
 48 Hour
 X 3-5 Day

Sample Number	Material Description	Sample Location	Laboratory Results	
			PLM	TEM
S4-5	WHITE BACKING OVER FG INSL	S4 CENTRAL AREA 6" DIA PIPE		
S4-6	" " "	S4 " " 6" DIA PIPE		
S4-7	" " "	S4 " " 6" DIA PIPE		
S4-8	GRAY Perimeter FLASHING	S4 " " Perimeter Roof Flashing (Duff)		
S4-9	" " "	S4 " " Perimeter Roof		
S5-1	BLK COATING OVER FG INSL.	S5 TANK (A) EAST		
S5-2	" " "	S5 TANK (B) WEST		
S5-3	" " "	S5 TANK (B) WEST		

Far Shirey

Sampled By:

DAVID COFIELD JR. Date: 11/8/13

Time:

Received By:

[Signature] Date: 11/12/13

Date: 11/12/13

Time: 1300

Relinquished By:

DAVID COFIELD JR. Date: 11/12/13

Time:

Received By:

Date: 11/12/13

Time:

Comments:

1410 #1