

October 19, 2012

Mr. Bernard Franklin
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C
625 Broadway
Albany, NY 12233-7017

Re: Summary Report
MGP-Related Environmental Work
J.B. Wise Parking Lot Reconstruction Project
Watertown (Anthony Street) Non-Owned Former MGP Site
Site # V004736

Dear Mr. Franklin:

This Summary Report documents the manufactured gas plant (MGP)-related environmental work conducted from May 23, 2011 through June 29, 2011 during the J.B. Wise Parking Lot Reconstruction Project (Reconstruction Project) undertaken by the City of Watertown. The City's Reconstruction Project generally included installation of a new sanitary sewer, water main improvements, storm water quality basins, new sidewalks and lighting, as well as pavement and parking lot reconstruction and installation of numerous amenities (e.g., landscape features, benches, bike racks, prefabricated restroom facility, etc.). The City recently completed the Reconstruction Project and the as-built drawings transmitted to National Grid on July 24, 2012 were used to develop figures for this Summary Report.

The presence of MGP-related materials encountered during this project is associated with National Grid's non-owned Watertown (Anthony Street) Former MGP Site (the site). The site is approximately located at 121 J.B. Wise Place (formerly Anthony Street) in the area near Black River Parkway in Watertown, New York (Figure 1). The site is being addressed by National Grid, in accordance with a Voluntary Agreement (No. D0-0001-0011, dated January 25, 2002) between National Grid and the New York State Department of Environmental Conservation (NYSDEC) for the investigation and, where necessary, remediation of MGP by-products that may remain at 24 former MGP sites located throughout New York State. The Watertown (Anthony Street) site is one of those sites.

The MGP-related environmental requirements and procedures addressed/implemented during the City's Reconstruction Project were presented in the July 2010 *Special Environmental Conditions* (SECs) prepared by ARCADIS on behalf of National Grid. NYSDEC approved the SECs in a July 28, 2010 letter to National Grid, and the NYSDEC-approved SECs were a part of the contract executed between the City and the Contractor (Bat-Con, Inc.) for the Reconstruction Project.

National Grid/ARCADIS supported the City's MGP-related environmental work, including providing a full-time field representative and acting as the "Generator/Generator's Agent" to accommodate off-site treatment/disposal of MGP-related materials.

As detailed herein, the MGP-related work activities conducted during the City's Reconstruction Project were completed in substantial conformance with the NYSDEC-approved SECs. The following sections present a task-by-task summary of the MGP-related activities implemented and MGP impacts observed during the subsurface reconstruction activities conducted within the MGP Investigation Area designated in the SECs (see Figure 1).

- Work Task 1 - Preconstruction Activities
- Work Task 2 - Community Air Monitoring; Vapor Suppression and Dust Control Measures
- Work Task 3 - MGP-Related Materials Observed; Solid and Liquid Materials Handling
- Work Task 4 - Decontamination of Equipment and Materials
- Work Task 5 - Disposition of Waste Materials
- Work Task 6 - Site Restoration/Demobilization

Work Task 1 - Preconstruction Activities

Prior to commencement of intrusive reconstruction activities within the MGP Investigation Area, the following activities were conducted:

- Submittal of the Contractor plans identified in the SECs;
- Construction of a materials management area (MMA); and
- Construction of a decontamination area.

The City's Contractor submitted the plans listed below to the NYSDEC via email on April 29, 2011.

- *Site Management Plan (SMP)* - presented a detailed approach for implementing the pertinent MGP-related work activities.
- *Contractor's Master and Project-Specific Health and Safety Plans (HASPs)* - used during subsurface reconstruction activities within the MGP Investigation Area to provide a mechanism for establishing safe working conditions. The Project-Specific HASP was certified by a Certified Industrial Hygienist.
- *Project-Specific Community Air Monitoring Plan (CAMP)* - established real-time monitoring requirements and action levels for volatile organic compounds and dust/particulates at the downwind perimeter of the MGP Investigation Area when subsurface work and/or contaminated material handling and storage activities are being conducted during the Reconstruction Project.

In response to the City's submittal of these plans, NYSDEC provided the following requirements in a May 12, 2011 email:

- Ensure that the terms of the NYSDEC-approved SECs for the Watertown (Anthony Street) Former MGP Site #V004736 dated July 2010 is strictly followed.
- Notify the NYSDEC immediately if and when MGP related impacts are encountered and provide in a Summary Report a figure showing where MGP impacts are encountered.

In addition to submittal of the aforementioned plans, and as described below, a temporary MMA and decontamination area were constructed prior to implementing subsurface work activities within the MGP Investigation Area.

- MMA - used to temporarily stage waste materials prior to transporting the materials off-site for treatment/disposal. The sides of the MMA were bermed and the bottom lined with a low-permeability liner sloped to a collection sump. Material staged in the MMA was continuously covered with an anchored low-permeability cover, except while the material was actively being managed.
- Decontamination area - used to decontaminate trucks and equipment that came into direct contact with MGP-related materials during the reconstruction activities. The decontamination pad had a lined, sloped bottom to contain/collect fluids with berms/curbs around the sides.

Both the MMA and the decontamination area were maintained by the Contractor for the duration of MGP-related activities. Upon removal of all waste materials, the Contractor removed the MMA and decontamination area, and these materials were disposed off-site with the MGP-related waste materials. Details regarding disposal are provided under Work Task 5 - Disposition of Waste Materials.

Work Task 2 – Community Air Monitoring; Vapor Suppression and Dust Control Measures

Community air monitoring, as well as real-time work zone air monitoring, was performed in accordance with the SECs. Accordingly, this monitoring began before initiating ground intrusive within the MGP Investigation Area each day and was performed continuously while intrusive work within the MGP Investigation Area and contaminated materials staging and handling activities were conducted. The results of the community air monitoring (upwind and downwind volatile organic and dust monitoring) were provided to NYSDEC and NYSDOH during the project implementation. These results are also provided in Attachment 1.

To address dust, odors, and/or vapors, the Contractor had controls available for immediate use at anytime during intrusive reconstruction activities within the MGP Investigation Area and during contaminated materials staging and handling activities. These controls were implemented, as necessary, to comply with the applicable requirements of the air monitoring program detailed in the SECs. Organic vapor emissions, odors, and dust were controlled during the subsurface work and

during the stockpiling and handling of contaminated materials using BioSolve®, water, or polyethylene sheeting.

Work Task 3 – MGP-Related Materials Observed; Solid and Liquid Materials Handling

The subsurface work activities conducted during the Reconstruction Project within the MGP Investigation Area generally included: installing a new sanitary sewer and completing water main improvements. Some of this work extended into bedrock. During this work, MGP-related impacts and/or petroleum-related impacts were observed in nine discrete areas within the associated trenches (Figure 1). NYSDEC and NYSDOH were notified immediately of these observations; and conducted a site visit with National Grid and ARCADIS on June 16, 2011. A summary of the impacts observed is presented in the table below.

Area	Summary of MGP and Petroleum Impacts Observed
1	Black stained bedrock pieces with tar and black staining in seams within the bedrock fractures from approximately 12 to 14.5 feet bgs (bottom of excavation).
1 Extension	Staining observed as described above (Area 1) and at similar depths in bedrock.
2	Blue/green staining on fill material, approximately 2.5 to 4 feet bgs.
3	Chunks of brick and concrete with hardened brittle tar. This brittle tar was also observed by itself and not attached to any fill debris. These materials were observed between approximately 1.5 to 4 feet bgs. A moderate tar-like odor accompanied the brittle tar.
4	2 to 4 inch layer of hardened tar at approximately 4 feet bgs, exhibiting a moderate tar-like odor.
5	City called in spill (NYSDEC #1102289). Gray staining and moderate to strong petroleum odors observed at 3 feet bgs.
6	Blue/green stained cinders/ash at approximately 2 to 3 feet bgs
7	Viscous/tarry layer approximately 6 inches bgs (below two layers of newer asphalt), exhibiting a moderate to strong petroleum odor.
8	City called in spill (NYSDEC # 1102757). Degraded petroleum-like odor observed to be associated with black-stained silt with bedrock fractures and at times immediately above bedrock in medium to fine sands.
9	Moderate MGP-like odor comingling with a degraded petroleum odor. A series of shake tests indicated the presence of tar-like NAPL blebs and a viscous tar was observed in a vertical bedrock fracture.

Notes:

- Attachment 2 provides a figure with representative photographs.
- Laboratory analytical results of the waste characterization samples collected for purposes of profiling wastes for offsite treatment/disposal are provided in Attachment 3. The analytical results indicated the materials were non-hazardous.
- Attachment 4 provides an evaluation of potential sources of volatile hydrocarbons in soil samples collected from Area 5 (Catch Basin-11A area) and Area 8 (Empsall Plaza area). The evaluation was conducted using the results of forensic volatile hydrocarbon PIANO analysis (Paraffin, Isoparaffin, Aromatic, Naphthene, and Olefin compounds). Multiple lines of evidence from the forensic data were used to identify potential sources of hydrocarbons in the soil samples. There was no indication that the sample from Area 5 contains coal tar. The sample collected from Area 8 had a volatile hydrocarbon composition characteristic of coal tar material.

These MGP and/or petroleum-impacted materials were staged/managed in the MMA prior to offsite treatment/disposal. An estimated 340 cubic yards (cy) of MGP-impacted soil/debris was excavated and treated/disposed off-site during the City's Reconstruction Project. Additional details regarding the disposition of waste materials, including the actual weight/volume, are provided under Task 5 (Disposition of Waste Materials).

The waste streams generated from the reconstruction activities conducted within the MGP Investigation Area included:

- Soil, fill and debris
- Liquids generated as a result of dewatering and decontamination activities
- Miscellaneous waste (e.g., used disposable equipment, personal protective equipment [PPE], sampling equipment, materials used to construct the MMA and decontamination area etc.)

Measures to mitigate tracking wastes outside of the excavation area and staging area were employed.

Work Task 4 - Decontamination of Equipment and Materials

As specified in the SECs, the Contractor decontaminated (as necessary) personnel and equipment that came into direct contact with MGP-related materials during the reconstruction activities within the MGP Investigation Area. Equipment taken off the MGP Investigation Area by the Contractor was subject to a final visual review by National Grid/ARCADIS and cleaning (if necessary) at the constructed decontamination area. Solids and other materials generated during equipment cleaning requiring offsite treatment/disposal were collected by the Contractor and placed into appropriate waste containers. Treatment/disposal waste materials generated is described in the section below.

Work Task 5 - Disposition of Waste Materials

All MGP-related waste streams generated by the reconstruction activities were transported by NYCRR Part 364 Licensed transporters and treated/disposed of at properly permitted and National Grid-accepted treatment/disposal facilities as summarized in the table below. Copies of treatment/disposal documentation are provided in Attachment 5.

Waste Type (All Non-Hazardous)	Facility	Weight or Volume
MGP-Impacted Soil/Debris	Development Authority of the North Country (DANC) (Rodman Landfill)	487.60 tons
Petroleum-Impacted Soil/Debris (Area 5)	DANC (Rodman Landfill)	28.14 tons
MGP-Impacted (Viscous Coal Tar) Soil/Debris	Environmental Soil Management of New York, LLC (Ft. Edward, NY)	23.08 tons
Water from Decontamination Area and MMA	City of Watertown Water Treatment Plant	180 gallons

Work Task 6 - Site Restoration/Demobilization

Upon completion of the MGP-related environmental work activities, all related equipment (e.g., air monitoring equipment) was demobilized from the site. Additionally, the MMA and the decontamination area were restored to a condition acceptable to National Grid/ARCADIS and the City.

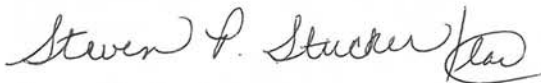
As shown on Figure 1, there were nine monitoring wells within the MGP Investigation Area, all of which are flush-mounted. National Grid/ARCADIS raised/lowered affected wells and finished the surface (e.g., curb box). Although the monitoring wells were protected from damage during the Reconstruction Project, monitoring well MW-7 could not be located after completion of the City's Reconstruction Project. This was an overburden monitoring well that was typically dry. Although replacement of MW-7 is not anticipated to be necessary, this will be addressed in the forthcoming Revised Remedial Investigation (RI) Report.

Upcoming Deliverable - Revised RI Report

As previously agreed (July 12, 2011 email from NYSDEC to National Grid), the RI Report approved by the NYSDEC on March 11, 2011 will be revised to include relevant information associated with the City's Reconstruction Project. Prior to finalizing the Revised RI Report, a redline/strike-out version will be provided to facilitate NYSDEC's review. We anticipate submitting the Revised RI Report (redline/strike-out version) within 30 days of receiving the NYSDEC's approval of this Summary Report.

Please feel free to contact me by phone at 315-428-5652 or by email at Steven.Stucker@nationalgrid.com if you have any questions.

Sincerely,



Steven P. Stucker
Environmental Department

cc: Ian Ushe, NYSDOH
Kurt Hawk, City of Watertown
Terry W. Young, P.E, ARCADIS
Cathy Geraci, ARCADIS
Scott Powlin, ARCADIS
David Cornell, ARCADIS

Attachments

Figure 1 - Site Plan

Attachment 1 - Community Air Monitoring Results

Attachment 2 - Photograph Documentation Figure

Attachment 3 - Waste Characterization Analytical Results

Attachment 4 - PIANO Forensic Evaluation Memorandum

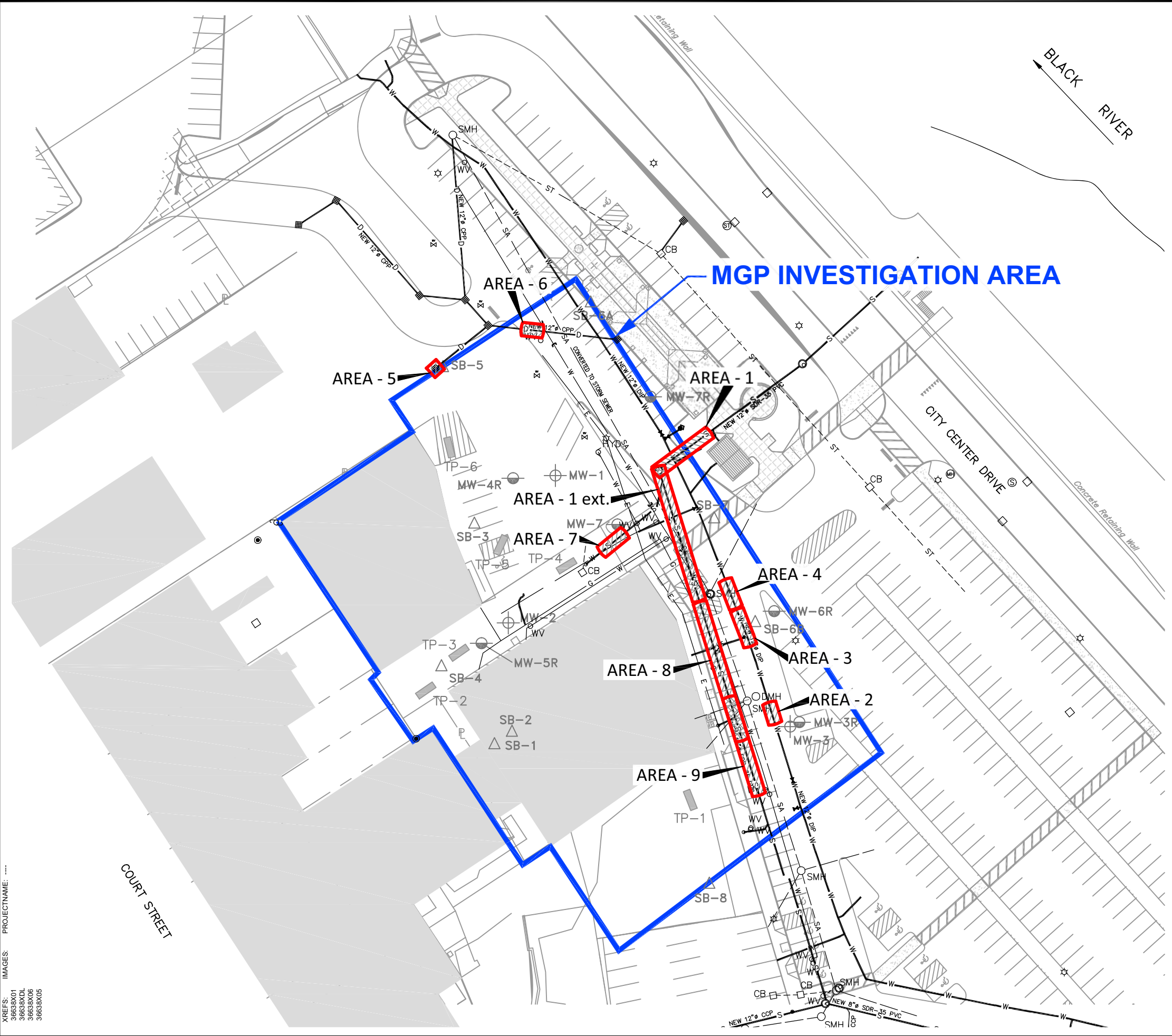
Attachment 5 - Waste Disposition Documentation



Attachments

Figure 1 – Site Plan

CITY:SYRACUSE,NY DIV:GROUP/EN/CAD-141 DB:MTK RCA GMS LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYRON="OFF=REF" G:ENVCAD/SYRACUSE/ACT/1803638/00000220/DWG/36638803.DWG LAYOUT:1 SAVED:10/15/2012 1:28 PM ACADVER:18.1S (LMS TECH) PAGES:10/15/2012 3:03 PM BY:KRAHMER,ERIC



LEGEND:

SOIL BORING

OVERBURDEN MONITORING WELL

BEDROCK MONITORING WELL

TEST PIT LOCATION

CATCH BASIN

MANHOLE (MAY BE SANITARY OR STORM)

MANHOLE (STORM)

MANHOLE (SANITARY)

WATER VALVE

LIGHT POLE

FOUND IRON PIPE

FIRE HYDRANT

PROPERTY LINE

ELECTRIC LINE

GAS LINE

WATER LINE

STORM SEWER LINE

SANITARY SEWER LINE

MGP INVESTIGATION AREA

AREA OF OBSERVED IMPACTS

NOTES:

1. BASE MAP IS FROM A SURVEY DONE BY WCT SURVEYORS, P.C., CANTON, NEW YORK ON APRIL 5, 2004, FILE # 103-218. UPDATED WITH SURVEY DONE BY C.T.MALE ON 11/12/08.

2. ELEVATIONS SHOWN ARE BASED ON NAVD 88 DATUM AS DETERMINED FROM STATIC GPS OBSERVATIONS AS PROCESSED BY THE NATIONAL GEODETIC SURVEY OPUS PROGRAM.

3. UTILITIES AND SURFACE FEATURES BASED ON CITY OF WATERTOWN AS-BUILTS PROVIDED TO NATIONAL GRID ON JULY 24, 2012.

060'120'

GRAPHIC SCALE

NATIONAL GRID
WATERTOWN (ANTHONY STREET) FORMER MGP SITE
J.B. WISE PARKING LOT
RECONSTRUCTION PROJECT

SITE PLAN

FIGURE
1



Attachment 1

Community Air Monitoring Results

Instrument			Data Properties	
Model	Dust Trak		Start Date	5/23/11
Meter S/N	85203025		Start Time	08:41:33
Test Name	Down Wind Air		Stop Date	5/23/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	14:56:33
			Total Time	0:06:15:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	5/23/11	08:56:33	0.047	
2	5/23/11	09:11:33	0.046	
3	5/23/11	09:26:33	0.039	
4	5/23/11	09:41:33	0.039	
5	5/23/11	09:56:33	0.031	
6	5/23/11	10:11:33	0.041	
7	5/23/11	10:26:33	0.034	
8	5/23/11	10:41:33	0.041	
9	5/23/11	10:56:33	0.047	
10	5/23/11	11:11:33	0.043	
11	5/23/11	11:26:33	0.027	
12	5/23/11	11:41:33	0.028	
13	5/23/11	11:56:33	0.029	
14	5/23/11	12:11:33	0.028	
15	5/23/11	12:26:33	0.025	
16	5/23/11	12:41:33	0.028	
17	5/23/11	12:56:33	0.028	
18	5/23/11	13:11:33	0.034	
19	5/23/11	13:26:33	0.033	
20	5/23/11	13:41:33	0.029	
21	5/23/11	13:56:33	0.029	
22	5/23/11	14:11:33	0.033	
23	5/23/11	14:26:33	0.039	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	5/23/11	14:41:33	0.031
25	5/23/11	14:56:33	0.031

Instrument			Data Properties	
Model	Dust Trak		Start Date	5/23/11
Meter S/N	23445		Start Time	08:21:48
Test Name	UP- Wind Air (Backround)		Stop Date	5/23/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	15:36:48
			Total Time	0:07:15:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	5/23/11	08:36:48	0.050	
2	5/23/11	08:51:48	0.049	
3	5/23/11	09:06:48	0.050	
4	5/23/11	09:21:48	0.050	
5	5/23/11	09:36:48	0.052	
6	5/23/11	09:51:48	0.052	
7	5/23/11	10:06:48	0.051	
8	5/23/11	10:21:48	0.051	
9	5/23/11	10:36:48	0.053	
10	5/23/11	10:51:48	0.053	
11	5/23/11	11:06:48	0.053	
12	5/23/11	11:21:48	0.050	
13	5/23/11	11:36:48	0.050	
14	5/23/11	11:51:48	0.049	
15	5/23/11	12:06:48	0.049	
16	5/23/11	12:21:48	0.049	
17	5/23/11	12:36:48	0.059	
18	5/23/11	12:51:48	0.049	
19	5/23/11	13:06:48	0.057	
20	5/23/11	13:21:48	0.055	
21	5/23/11	13:36:48	0.052	
22	5/23/11	13:51:48	0.049	
23	5/23/11	14:06:48	0.048	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	5/23/11	14:21:48	0.046
25	5/23/11	14:36:48	0.047
26	5/23/11	14:51:48	0.045
27	5/23/11	15:06:48	0.044
28	5/23/11	15:21:48	0.043
29	5/23/11	15:36:48	0.049

Instrument			Data Properties	
Model	Dust Trak		Start Date	5/24/11
Meter S/N	85203025		Start Time	06:55:28
Test Name	Down Wind Air		Stop Date	5/24/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	15:10:28
			Total Time	0:08:15:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1		07:10:28	0.018	
2		07:25:28	0.018	
3		07:40:28	0.018	
4		07:55:28	0.019	
5		08:10:28	0.019	
6		08:25:28	0.020	
7		08:40:28	0.022	
8		08:55:28	0.021	
9		09:10:28	0.020	
10		09:25:28	0.022	
11		09:40:28	0.023	
12		09:55:28	0.022	
13		10:10:28	0.030	
14		10:25:28	0.024	
15		10:40:28	0.024	
16		10:55:28	0.025	
17		11:10:28	0.024	
18		11:25:28	0.023	
19		11:40:28	0.025	
20		11:55:28	0.030	
21		12:10:28	0.027	
22		12:25:28	0.029	
23		12:40:28	0.035	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24		12:55:28	0.038
25		13:10:28	0.044
26		13:25:28	0.046
27		13:40:28	0.042
28		13:55:28	0.037
29		14:10:28	0.030
30		14:25:28	0.027
31		14:40:28	0.030
32		14:55:28	0.027
33		15:10:28	0.025

Instrument			Data Properties	
Model	Dust Trak		Start Date	5/24/11
Meter S/N	23445		Start Time	07:02:34
Test Name	UP- Wind Air (Background)		Stop Date	5/24/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	15:32:34
			Total Time	0:08:30:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	5/24/11	07:17:34	0.024	
2	5/24/11	07:32:34	0.030	
3	5/24/11	07:47:34	0.025	
4	5/24/11	08:02:34	0.022	
5	5/24/11	08:17:34	0.031	
6	5/24/11	08:32:34	0.027	
7	5/24/11	08:47:34	0.035	
8	5/24/11	09:02:34	0.026	
9	5/24/11	09:17:34	0.027	
10	5/24/11	09:32:34	0.028	
11	5/24/11	09:47:34	0.023	
12	5/24/11	10:02:34	0.029	
13	5/24/11	10:17:34	0.029	
14	5/24/11	10:32:34	0.030	
15	5/24/11	10:47:34	0.029	
16	5/24/11	11:02:34	0.031	
17	5/24/11	11:17:34	0.037	
18	5/24/11	11:32:34	0.033	
19	5/24/11	11:47:34	0.038	
20	5/24/11	12:02:34	0.039	
21	5/24/11	12:17:34	0.035	
22	5/24/11	12:32:34	0.037	
23	5/24/11	12:47:34	0.051	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	5/24/11	13:02:34	0.048
25	5/24/11	13:17:34	0.053
26	5/24/11	13:32:34	0.069
27	5/24/11	13:47:34	0.073
28	5/24/11	14:02:34	0.059
29	5/24/11	14:17:34	0.045
30	5/24/11	14:32:34	0.036
31	5/24/11	14:47:34	0.034
32	5/24/11	15:02:34	0.041
33	5/24/11	15:17:34	0.026
34	5/24/11	15:32:34	0.025

Instrument		Data Properties	
Model	Dust Trak	Start Date	5/25/11
Meter S/N	23445	Start Time	07:20:29
Test Name	Down Wind Air	Stop Date	5/25/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	15:50:29
		Total Time	0:08:30:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	5/25/11	07:35:29	0.026
2	5/25/11	07:50:29	0.027
3	5/25/11	08:05:29	0.016
4	5/25/11	08:20:29	0.035
5	5/25/11	08:35:29	0.025
6	5/25/11	08:50:29	0.084
7	5/25/11	09:05:29	0.020
8	5/25/11	09:20:29	0.028
9	5/25/11	09:35:29	0.018
10	5/25/11	09:50:29	0.041
11	5/25/11	10:05:29	0.019
12	5/25/11	10:20:29	0.025
13	5/25/11	10:35:29	0.021
14	5/25/11	10:50:29	0.022
15	5/25/11	11:05:29	0.019
16	5/25/11	11:20:29	0.026
17	5/25/11	11:35:29	0.011
18	5/25/11	11:50:29	0.052
19	5/25/11	12:05:29	0.042
20	5/25/11	12:20:29	0.028
21	5/25/11	12:35:29	0.011
22	5/25/11	12:50:29	0.015
23	5/25/11	13:05:29	0.023

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	5/25/11	13:20:29	0.023
25	5/25/11	13:35:29	0.011
26	5/25/11	13:50:29	0.010
27	5/25/11	14:05:29	0.014
28	5/25/11	14:20:29	0.024
29	5/25/11	14:35:29	0.030
30	5/25/11	14:50:29	0.013
31	5/25/11	15:05:29	0.015
32	5/25/11	15:20:29	0.014
33	5/25/11	15:35:29	0.013
34	5/25/11	15:50:29	0.012

Instrument			Data Properties	
Model	Dust Trak		Start Date	5/25/11
Meter S/N	85203025		Start Time	07:21:48
Test Name	UP- Wind Air (Backround)		Stop Date	5/25/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	15:36:48
			Total Time	0:08:15:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	5/25/11	07:36:48	0.025	
2	5/25/11	07:51:48	0.011	
3	5/25/11	08:06:48	0.011	
4	5/25/11	08:21:48	0.009	
5	5/25/11	08:36:48	0.012	
6	5/25/11	08:51:48	0.018	
7	5/25/11	09:06:48	0.015	
8	5/25/11	09:21:48	0.016	
9	5/25/11	09:36:48	0.023	
10	5/25/11	09:51:48	0.015	
11	5/25/11	10:06:48	0.019	
12	5/25/11	10:21:48	0.010	
13	5/25/11	10:36:48	0.029	
14	5/25/11	10:51:48	0.097	
15	5/25/11	11:06:48	0.016	
16	5/25/11	11:21:48	0.019	
17	5/25/11	11:36:48	0.031	
18	5/25/11	11:51:48	0.016	
19	5/25/11	12:06:48	0.017	
20	5/25/11	12:21:48	0.018	
21	5/25/11	12:36:48	0.022	
22	5/25/11	12:51:48	0.036	
23	5/25/11	13:06:48	0.022	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	5/25/11	13:21:48	0.021
25	5/25/11	13:36:48	0.016
26	5/25/11	13:51:48	0.022
27	5/25/11	14:06:48	0.028
28	5/25/11	14:21:48	0.018
29	5/25/11	14:36:48	0.018
30	5/25/11	14:51:48	0.015
31	5/25/11	15:06:48	0.022
32	5/25/11	15:21:48	0.042
33	5/25/11	15:36:48	0.022

Instrument			Data Properties	
Model	Dust Trak		Start Date	5/26/11
Meter S/N	23445		Start Time	07:02:23
Test Name	Down Wind Air		Stop Date	5/26/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	15:02:23
			Total Time	0:08:00:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	5/26/11	07:17:23	0.032	
2	5/26/11	07:32:23	0.027	
3	5/26/11	07:47:23	0.026	
4	5/26/11	08:02:23	0.023	
5	5/26/11	08:17:23	0.026	
6	5/26/11	08:32:23	0.024	
7	5/26/11	08:47:23	0.031	
8	5/26/11	09:02:23	0.055	
9	5/26/11	09:17:23	0.060	
10	5/26/11	09:32:23	0.062	
11	5/26/11	09:47:23	0.068	
12	5/26/11	10:02:23	0.063	
13	5/26/11	10:17:23	0.040	
14	5/26/11	10:32:23	0.039	
15	5/26/11	10:47:23	0.035	
16	5/26/11	11:02:23	0.034	
17	5/26/11	11:17:23	0.030	
18	5/26/11	11:32:23	0.032	
19	5/26/11	11:47:23	0.035	
20	5/26/11	12:02:23	0.034	
21	5/26/11	12:17:23	0.030	
22	5/26/11	12:32:23	0.032	
23	5/26/11	12:47:23	0.034	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	5/26/11	13:02:23	0.039
25	5/26/11	13:17:23	0.044
26	5/26/11	13:32:23	0.038
27	5/26/11	13:47:23	0.041
28	5/26/11	14:02:23	0.040
29	5/26/11	14:17:23	0.044
30	5/26/11	14:32:23	0.049
31	5/26/11	14:47:23	0.099
32	5/26/11	15:02:23	0.577

Instrument			Data Properties	
Model	Dust Trak		Start Date	5/26/11
Meter S/N	85203025		Start Time	06:50:04
Test Name	UP- Wind Air (Backround)		Stop Date	5/26/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	15:05:04
			Total Time	0:08:15:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	5/26/11	07:05:04	0.025	
2	5/26/11	07:20:04	0.028	
3	5/26/11	07:35:04	0.023	
4	5/26/11	07:50:04	0.023	
5	5/26/11	08:05:04	0.024	
6	5/26/11	08:20:04	0.024	
7	5/26/11	08:35:04	0.030	
8	5/26/11	08:50:04	0.049	
9	5/26/11	09:05:04	0.055	
10	5/26/11	09:20:04	0.059	
11	5/26/11	09:35:04	0.060	
12	5/26/11	09:50:04	0.075	
13	5/26/11	10:05:04	0.041	
14	5/26/11	10:20:04	0.039	
15	5/26/11	10:35:04	0.038	
16	5/26/11	10:50:04	0.039	
17	5/26/11	11:05:04	0.032	
18	5/26/11	11:20:04	0.033	
19	5/26/11	11:35:04	0.035	
20	5/26/11	11:50:04	0.034	
21	5/26/11	12:05:04	0.037	
22	5/26/11	12:20:04	0.036	
23	5/26/11	12:35:04	0.038	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	5/26/11	12:50:04	0.055
25	5/26/11	13:05:04	0.067
26	5/26/11	13:20:04	0.107
27	5/26/11	13:35:04	0.066
28	5/26/11	13:50:04	0.052
29	5/26/11	14:05:04	0.095
30	5/26/11	14:20:04	0.095
31	5/26/11	14:35:04	0.059
32	5/26/11	14:50:04	0.045
33	5/26/11	15:05:04	0.092

Instrument			Data Properties	
Model	Dust Trak		Start Date	5/27/11
Meter S/N	85203025		Start Time	06:58:55
Test Name	Down Wind Air		Stop Date	5/27/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	11:58:55
			Total Time	0:05:00:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	5/27/11	07:13:55	0.024	
2	5/27/11	07:28:55	0.025	
3	5/27/11	07:43:55	0.025	
4	5/27/11	07:58:55	0.023	
5	5/27/11	08:13:55	0.023	
6	5/27/11	08:28:55	0.024	
7	5/27/11	08:43:55	0.020	
8	5/27/11	08:58:55	0.016	
9	5/27/11	09:13:55	0.018	
10	5/27/11	09:28:55	0.016	
11	5/27/11	09:43:55	0.015	
12	5/27/11	09:58:55	0.013	
13	5/27/11	10:13:55	0.012	
14	5/27/11	10:28:55	0.011	
15	5/27/11	10:43:55	0.012	
16	5/27/11	10:58:55	0.012	
17	5/27/11	11:13:55	0.017	
18	5/27/11	11:28:55	0.017	
19	5/27/11	11:43:55	0.015	
20	5/27/11	11:58:55	0.015	

Instrument			Data Properties	
Model	Dust Trak		Start Date	5/27/11
Meter S/N	23445		Start Time	07:06:20
Test Name	UP- Wind Air (Backround)		Stop Date	5/27/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	12:06:20
			Total Time	0:05:00:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	5/27/11	07:21:20	0.029	
2	5/27/11	07:36:20	0.031	
3	5/27/11	07:51:20	0.036	
4	5/27/11	08:06:20	0.030	
5	5/27/11	08:21:20	0.033	
6	5/27/11	08:36:20	0.040	
7	5/27/11	08:51:20	0.036	
8	5/27/11	09:06:20	0.024	
9	5/27/11	09:21:20	0.018	
10	5/27/11	09:36:20	0.025	
11	5/27/11	09:51:20	0.030	
12	5/27/11	10:06:20	0.029	
13	5/27/11	10:21:20	0.021	
14	5/27/11	10:36:20	0.018	
15	5/27/11	10:51:20	0.020	
16	5/27/11	11:06:20	0.017	
17	5/27/11	11:21:20	0.024	
18	5/27/11	11:36:20	0.019	
19	5/27/11	11:51:20	0.020	
20	5/27/11	12:06:20	0.026	

Test Name Upwind (Background)
Location JB Wise Construction Project Watertown, NY
File number 0
Application 0
Zone number 0
Battery 5.5

Start time 5/23/2011 8:37

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

5/23/2011 8:52:44 AM	0
5/23/2011 9:05:44 AM	0
5/23/2011 9:20:44 AM	0
5/23/2011 9:35:44 AM	0
5/23/2011 9:50:44 AM	0
5/23/2011 10:05:44 AM	0
5/23/2011 10:20:44 AM	0
5/23/2011 10:35:44AM	0
5/23/2011 10:50:44AM	0
5/23/2011 11:05:44 AM	0
5/23/2011 12:20:44 PM	0
5/23/2011 12:35:44PM	0
5/23/2011 12:50:44PM	0
5/23/2011 13:05:44PM	0
5/23/2011 13:20:44 PM	0
5/23/2011 13:35:44PM	0
5/23/2011 13:50:44PM	0
5/23/2011 14:05:44PM	0
5/23/2011 14:20:44PM	0
5/23/2011 14:35:44PM	0
5/23/2011 14:50:44PM	0
5/23/2011 15:05:44PM	0
5/23/2011 15:20:44PM	0
5/23/2011 15:35:44PM	0

Test Name	Downwind PID		
Location	JB Wise Construction Project Watertown, NY		
File number			8
Application			0
Zone number			0
Battery			5.5
Start time	5/23/2011 8:56		
Time	Channel 1		
	PID		
Gas	Isobutylene		
Units	ppm		
Date	Time		PID
5/23/2011	9:11:21AM		0
5/23/2011	9:16:21AM		0
5/23/2011	9:31:21AM		0
5/23/2011	9:46:21AM		0
5/23/2011	10:01:21AM		0
5/23/2011	10:16:21AM		0
5/23/2011	10:31:21AM		0
5/23/2011	10:46:21AM		0
5/23/2011	11:01:21AM		0
5/23/2011	11:16:21AM		0
5/23/2011	11:31:21AM		0
5/23/2011	11:46:21AM		0
5/23/2011	12:01:21PM		0
5/23/2011	12:16:21PM		0
5/23/2011	12:31:31PM		0
5/23/2011	12:46::21PM		0
5/23/2011	13:01:21PM		0
5/23/2011	13:16:21PM		0
5/23/2011	13:31:21PM		0
5/23/2011	13:46:21PM		0
5/23/2011	14:01:21PM		0
5/23/2011	14:16:21PM		0
5/23/2011	14:31:21PM		0
5/23/2011	14:46:21PM		0
5/23/2011	15:01:21PM		0
5/23/2011	15:16:21PM		0
5/23/2011	15:31:21PM		0
5/23/2011	15:56:21PM		0

Test Name	Upwind (Background)		
Location	JB Wise Construction Project Watertown, NY		
File number			0
Application			0
Zone number			0
Battery			5.5
Start time	5/24/2011 7:20:11AM		
Time	Channel 1		
	PID		
Gas	Isobutylene		
Units	ppm		
Date	Time	PID	
	5/24/2011 7:35:11AM		0
	5/24/2011 7:50:11AM		0
	5/24/2011 8:05:11AM		0
	5/24/2011 8:20:11AM		0
	5/24/2011 8:35:11AM		0
	5/24/2011 8:50:11AM		0
	5/24/2011 9:05:11AM		0
	5/24/2011 9:20:11AM		0
	5/24/2011 9:35:11AM		0
	5/24/2011 9:50:11AM		0
	5/24/2011 10:05:11AM		0
	5/24/2011 11:20:11AM		0
	5/24/2011 11:35:11AM		0
	5/24/2011 11:50:11AM		0
	5/24/2011 12:05:11PM		0
	5/24/2011 12:20:11PM		0
	5/24/2011 12:35:11PM		0
	5/24/2011 12:50:11PM		0
	5/24/2011 13:05:11PM		0
	5/24/2011 13:20:11PM		0
	5/24/2011 13:35:11PM		0
	5/24/2011 13:50:11PM		0
	5/24/2011 14:05:11PM		0
	5/24/2011 14:20:11PM		0
	5/24/2011 14:35:11PM		0
	5/24/2011 14:50:11PM		0
	5/24/2011 15:05:11PM		0
	5/24/2011 15:20:11PM		0
	5/24/2011 15:25:11PM		0

Test Name	Downwind PID		
Location	JB Wise Construction Project Watertown, NY		
File number	0		
Application	0		
Zone number	0		
Battery	5.5		
Start time	5/24/2011 6:55		
Time	Channel 1		
	PID		
Gas	Isobutylene		
Units	ppm		
Date	Time	PID	
	5/24/2011 7:10:18AM		0
	5/24/2011 7:25:18AM		0
	5/24/2011 7:40:18AM		0
	5/24/2011 7:55:18AM		0
	5/24/2011 8:10:18AM		0
	5/24/2011 8:25:18AM		0
	5/24/2011 8:40:18AM		0
	5/24/2011 8:55:18AM		0
	5/24/2011 9:10:18AM		0
	5/24/2011 9:25:18AM		0
	5/24/2011 9:40:18AM		0
	5/24/2011 9:55:18AM		0
	5/24/2011 10:10:18AM		0
	5/24/2011 10:25:18AM		0
	5/24/2011 10:40:18AM		0
	5/24/2011 10:55:18AM		0
	5/24/2011 11:10:18AM		0
	5/24/2011 11:25:18AM		0
	5/24/2011 11:40:18AM		0
	5/24/2011 11:55:18AM		0
	5/24/2011 12:10:18PM		0
	5/24/2011 12:25:18PM		0
	5/24/2011 12:40:18PM		0
	5/24/2011 12:55:18PM		0
	5/24/2011 13:10:18 PM		0
	5/24/2011 13:25:18PM		0
	5/24/2011 13:40:18PM		0
	5/24/2011 13:55:18PM		0
	5/24/2011 14:10:18PM		0
	5/24/2011 14:25:18PM		0
	5/24/2011 14:40:18PM		0
	5/24/2011 14:55:18PM		0
	5/24/2011 15:11:18PM		0

Test Name Upwind (Background)

Location JB Wise Construction Project Watertown, NY

File number 8

Application 0

Zone number 0

Battery 5.5

Start time 5/25/2011 7:21:05AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

5/25/2011	7:36:05AM	0
5/25/2011	7:51:05AM	0
5/25/2011	8:06:05AM	0
5/25/2011	8:21:05AM	0
5/25/2011	8:36:05:AM	0
5/25/2011	8:51:05AM	0
5/25/2011	9:06:05AM	0
5/25/2011	9:21:05AM	0
5/25/2011	9:36:05AM	0
5/25/2011	9:51:05AM	0
5/25/2011	10:06:05AM	0
5/25/2011	10:21:05AM	0
5/25/2011	10:36:05AM	0
5/25/2011	10:51:05AM	0
5/25/2011	11:06:05AM	0
5/25/2011	11:21:05AM	0
5/25/2011	11:36:05AM	0
5/25/2011	11:51:05AM	0
5/25/2011	12:06:05PM	0
5/25/2011	12:21:05PM	0
5/25/2011	12:36:05PM	0
5/25/2011	12:51:05PM	0
5/25/2011	13:06:05PM	0
5/25/2011	13:21:05PM	0
5/25/2011	13:36:05PM	0
5/25/2011	13:51:05PM	0
5/25/2011	14:06:05PM	0
5/25/2011	14:21:05PM	0
5/25/2011	14:36:05PM	0
5/25/2011	14:51:05PM	0
5/25/2011	15:06:05PM	0
5/25/20/11	15:21:05PM	0
5/25/2011	15:36:05PM	0

Test Name Downwind PID
 Location JB Wise Construction Project Watertown, NY
 File number 0
 Application 0
 Zone number 0
 Battery 5.5
 Start time 5/25/2011 7:20
 Time Channel 1
 PID
 Gas Isobutylene
 Units ppm
 Date Time PID

5/25/2011 7:20:40AM	0
5/25/2011 7:35:40AM	0
5/25/2011 8:05:40AM	0
5/25/2011 8:20:40AM	0
5/25/2011 8:35:40AM	0
5/25/2011 8:50:40AM	0
5/25/2011 9:05:40AM	0
5/25/2011 9:20:40AM	0
5/25/2011 9:35:40AM	0
5/25/2011 9:50:40AM	0
5/25/2011 10:05:40AM	0
5/25/2011 10:20:40AM	0
5/25/2011 10:35:40AM	0
5/25/2011 10:50:40AM	0
5/25/2011 11:05:40AM	0
5/25/2011 11:20:40AM	0
5/25/2011 11:35:40AM	0
5/25/2011 11:50:40AM	0
5/25/2011 12:05:40PM	0
5/25/2011 12:20:40PM	0
5/25/2011 12:35:40PM	0
5/25/2011 12:50:40PM	0
5/25/2011 13:05:40PM	0
5/25/2011 13:20:40PM	0
5/25/2011 13:35:40PM	0
5/25/2011 13:50:40PM	0
5/25/2011 14:05:40PM	0
5/25/2011 14:20:40PM	0
5/25/2011 14:35:40PM	0
5/25/2011 14:50:40PM	0
5/25/2011 15:05:40PM	0
5/25/2011 15:20:40PM	0
5/25/2011 15:35:40PM	0
5/25/2011 15:50:40PM	0

5/25/2011

5/25/2011

Test Name Upwind (Background)
Location JB Wise Construction Project Watertown, NY

File number 0

Application 0

Zone number 0

Battery 5.5

Start time 5/26/2011 6:50:52AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

5/26/2011 7:05:52AM 0

5/26/2011 7:20:52AM 0

5/26/2011 7:35:52AM 0

5/26/2011 7:50:52AM 0

5/26/2011 8:05:52AM 0

5/26/2011 8:20:52AM 0

5/26/2011 8:35:52AM 0

5/26/2011 8:50:52AM 0

5/26/2011 9:05:52AM 0

5/26/2011 9:20:52AM 0

5/26/2011 9:35:52AM 0

5/26/2011 9:50:52AM 0

5/26/2011 10:05:52AM 0

5/26/2011 10:20:52AM 0

5/26/2011 10:35:52AM 0

5/26/2011 10:50:52AM 0

5/26/2011 11:05:52AM 0

5/26/2011 11:20:52AM 0

5/26/2011 11:35:52AM 0

5/26/2011 11:50:52AM 0

5/26/2011 12:05:52PM 0

5/26/2011 12:20:52PM 0

5/26/2011 13:35:52PM 0

5/26/2011 13:50:52PM 0

5/26/2011 14:05:52PM 0

5/26/2011 14:20:52PM 0

5/26/2011 14:35:52PM 0

5/26/2011 14:50:52PM 0

5/26/2011 15:05:52PM 0

Test Name Downwind PID
Location JB Wise Construction Project Watertown, NY
File number 0
Application 0
Zone number 0
Battery 5.5

Start time 5/26/2011 7:02

Time Channel 1
PID

Gas Isobutylene

Units ppm

Date Time PID

5/26/2011 7:17:52AM	0
5/26/2011 7:32:52AM	0
5/26/2011 7:47:52AM	0
5/26/2011 8:02:52AM	0
5/26/2011 8:17:52AM	0
5/26/2011 8:32:52AM	0
5/26/2011 8:47:52AM	0
5/26/2011 9:02:52AM	0
5/26/2011 9:17:52AM	0
5/26/2011 9:32:52AM	0
5/26/2011 9:47:52AM	0
5/26/2011 10:02:52AM	0
5/26/2011 10:17:52AM	0
5/26/2011 10:32:52AM	0
5/26/2011 10:47:52AM	0
5/26/2011 11:02:52AM	0
5/26/2011 11:17:52AM	0
5/26/2011 11:32:52AM	0
5/26/2011 11:47:52AM	0
5/26/2011 12:02:52PM	0
5/26/2011 12:17:52PM	0
5/26/2011 12:32:52PM	0
5/26/2011 12:47:52PM	0
5/26/2011 13:02:52PM	0
5/26/2011 13:17:52PM	0
5/26/2011 13:32:52PM	0
5/26/2011 13:47:52PM	0
5/26/2011 14:02:52PM	0
5/26/2011 14:17:52PM	0
5/26/2011 14:32:52PM	0
5/26/2011 14:47:52PM	0
5/26/2011 15:02:52PM	0

Test Name Upwind (Background)
 Location JB Wise Construction Project Watertown, NY
 File number 8
 Application 0
 Zone number 0
 Battery 5.5
 Start time 5/27/2011 7:06:01AM
 Time Channel 1
 PID
 Gas Isobutylene
 Units ppm
 Date Time PID

7:21:20

5/27/2011 7:21:01AM	0
5/27/2011 7:36:01AM	0
5/27/2011 7:51:01AM	0
5/27/2011 8:06:01AM	0
5/27/2011 8:21:01AM	0
5/27/2011 8:36:01AM	0
5/27/2011 8:51:01AM	0
5/27/2011 9:06:01AM	0
5/27/2011 9:21:01AM	0
5/27/2011 9:36:01AM	0
5/27/2011 9:51:01AM	0
5/27/2011 10:06:01AM	0
5/27/2011 10:21:01AM	0
5/27/2011 10:36:01AM	0
5/27/2011 10:51:01AM	0
5/27/2011 11:06:01AM	0
5/27/2011 11:21:01AM	0
5/27/2011 11:36:01AM	0
5/27/2011 11:51:01AM	0
5/27/2011 12:06:01AM	0

Test Name Downwind PID
Location JB Wise Construction Project Watertown, NY

File number 0

Application 0

Zone number 0

Battery 5.5

Start time 5/27/2011 6:58

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

5/27/2011 7:13:35AM 0

5/27/2011 7:28:35AM 0

5/27/2011 7:43:35AM 0

5/27/2011 7:58:35AM 0

5/27/2011 8:13:35AM 0

5/27/2011 8:28:35AM 0

5/27/2011 8:43:35AM 0

5/27/2011 8:58:35AM 0

5/27/2011 9:13:35AM 0

5/27/2011 9:28:35AM 0

5/27/2011 9:43:35AM 0

5/27/2011 9:58:35AM 0

5/27/2011 10:13:35AM 0

5/27/2011 10:28:35AM 0

5/27/2011 10:43:35AM 0

5/27/2011 10:58:35AM 0

5/27/2011 11:13:35AM 0

5/27/2011 11:28:35AM 0

5/27/2011 11:43:35AM 0

5/27/2011 11:58:35AM 0

Instrument			Data Properties	
Model	Dust Trak		Start Date	5/31/11
Meter S/N	85203025		Start Time	07:23:10
Test Name	Down Wind Air		Stop Date	5/31/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	16:25:25
	MGP Site V004736		Total Time	0:09:02:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	5/31/11	07:38:10	0.023	
2	5/31/11	07:53:10	0.026	
3	5/31/11	08:08:10	0.031	
4	5/31/11	08:23:10	0.025	
5	5/31/11	08:38:10	0.026	
6	5/31/11	08:53:10	0.026	
7	5/31/11	09:08:10	0.029	
8	5/31/11	09:23:10	0.028	
9	5/31/11	09:38:10	0.023	
10	5/31/11	09:53:10	0.026	
11	5/31/11	10:08:10	0.025	
12	5/31/11	10:23:10	0.025	
13	5/31/11	10:38:10	0.030	
14	5/31/11	10:53:10	0.023	
15	5/31/11	11:08:10	0.025	
16	5/31/11	11:23:10	0.023	
17	5/31/11	11:38:10	0.025	
18	5/31/11	11:53:10	0.026	
19	5/31/11	12:08:10	0.026	
20	5/31/11	12:23:10	0.025	
21	5/31/11	12:38:10	0.025	
22	5/31/11	12:53:10	0.023	
23	5/31/11	13:08:10	0.024	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	5/31/11	13:23:10	0.023
25	5/31/11	13:38:10	0.022
26	5/31/11	13:53:10	0.022
27	5/31/11	14:08:10	0.024
28	5/31/11	14:23:10	0.025
29	5/31/11	14:38:10	0.025
26	5/31/11	14:53:10	0.022
27	5/31/11	15:08:10	0.023
28	5/31/11	15:23:10	0.025
29	5/31/11	15:38:10	0.024
30	5/31/11	15:53:10	0.022
31	5/31/11	16:08:10	0.025
32	5/31/11	16:23:10	0.025

Instrument		Data Properties	
Model	Dust Trak	Start Date	5/31/11
Meter S/N	23445	Start Time	07:06:20
Test Name	UP- Wind Air (Backround)	Stop Date	5/31/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	16:36:36
	MGP Site V004736	Total Time	0:09:30:16
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m^3
1	5/31/11	07:21:20	0.029
2	5/31/11	07:36:20	0.031
3	5/31/11	07:51:20	0.036
4	5/31/11	08:06:20	0.030
5	5/31/11	08:21:20	0.033
6	5/31/11	08:36:20	0.040
7	5/31/11	08:51:20	0.036
8	5/31/11	09:06:20	0.024
9	5/31/11	09:21:20	0.018
10	5/31/11	09:36:20	0.025
11	5/31/11	09:51:20	0.030
12	5/31/11	10:06:20	0.029
13	5/31/11	10:21:20	0.021
14	5/31/11	10:36:20	0.018
15	5/31/11	10:51:20	0.020
16	5/31/11	11:06:20	0.017
17	5/31/11	11:21:20	0.024
18	5/31/11	11:36:20	0.018
19	5/31/11	11:51:20	0.020
20	5/31/11	12:06:20	0.020
21	5/31/11	12:21:20	0.021
22	5/31/11	12:36:20	0.022
23	5/31/11	12:51:20	0.020

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	5/31/11	13:06:20	0.019
25	5/31/11	13:21:20	0.019
26	5/31/11	13:36:20	0.021
27	5/31/11	13:51:20	0.020
28	5/31/11	14:06:20	0.020
29	5/31/11	14:21:20	0.019
30	5/31/11	14:36:20	0.020
31	5/31/11	14:51:20	0.020
32	5/31/11	15:06:20	0.020
33	5/31/11	15:21:20	0.022
34	5/31/11	15:36:20	0.021
35	5/31/11	15:51:20	0.020
36	5/31/11	16:06:20	0.020
37	5/31/11	16:21:20	0.019
38	5/31/11	16:36:20	0.021

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/1/11
Meter S/N	23445		Start Time	07:00:12
Test	Down Wind Air		Stop Date	6/1/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	16:46:12
	MGP Site V004736		Total Time	0:09:46:00
			Logging Interval	60 seconds
Test Data				
Sample		Date	Time	Aerosol mg/m^3
1			07:15:12	0.058
2			07:30:12	0.045
3			07:45:12	0.052
4			08:00:12	0.048
5			07:15:12	0.046
6			07:30:12	0.046
7			07:45:12	0.051
8			08:00:12	0.051
9			08:15:12	0.047
10			08:30:12	0.045
11			08:45:12	0.045
12			09:00:12	0.046
13			09:15:12	0.053
14			09:30:12	0.051
15			09:45:12	.0.059
16			10:00:12	0.055
17			10:15:12	0.055
18			10:30:12	0.049
19			10:45:12	0.042
20			11:50:12	0.044
21			12:00:12	0.051
22			12:15:12	0.046
23			12:30:12	0.043

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24		12:45:12	0.039
25		13:00:12	0.040
26		13:15:12	0.044
27		13:30:12	0.043
28		13:45:12	0.036
29		14:00:12	0.028
30		14:15:12	0.033
31		14:30:12	0.034
32		14:45:12	0.043
33		15:00:12	0.037
34		15:15:12	0.036
35		15:30:12	0.039
36		15:45:12	0.041
37		16:00:12	0.038
38		16:15:12	0.039
39		16:30:12	0.040
40		16:45:12	0.043

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/1/11
Meter S/N	23445	Start Time	07:23:10
Test Name	UP- Wind Air (Backround)	Stop Date	6/1/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	16:27:16
	MGP Site V004736	Total Time	0:09:04:06
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/1/11	07:38:10	0.023
2	6/1/11	07:53:10	0.026
3	6/1/11	08:08:10	0.031
4	6/1/11	08:23:10	0.025
5	6/1/11	08:38:10	0.026
6	6/1/11	08:53:10	0.026
7	6/1/11	09:08:10	0.029
8	6/1/11	09:23:10	0.028
9	6/1/11	09:38:10	0.027
10	6/1/11	09:53:10	0.026
11	6/1/11	10:08:10	0.031
12	6/1/11	10:23:10	0.031
13	6/1/11	10:38:10	0.026
14	6/1/11	11:53:10	0.026
15	6/1/11	12:08:10	0.029
16	6/1/11	12:23:10	0.028
17	6/1/11	12:38:10	0.023
18	6/1/11	12:53:10	0.026
19	6/1/11	13:08:10	0.031
20	6/1/11	13:23:10	0.025
21	6/1/11	13:38:10	0.026
22	6/1/11	13:53:10	0.026
23	6/1/11	14:08:10	0.029

24	6/1/11	14:23:10	0.028
25	6/1/11	14:38:10	0.023
25	6/1/11	14:53:10	0.026
26	6/1/11	15:08:10	0.031
27	6/1/11	15:23:10	0.025
28	6/1/11	15:38:10	0.026
29	6/1/11	15:53:10	0.026
30	6/1/11	16:08:10	0.026
31	6/1/11	16:23:10	0.024

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/2/11
Meter S/N	85203025	Start Time	07:06:38
Test Name	Down Wind Air	Stop Date	6/2/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	16:36:38
	MGP Site V004736	Total Time	0:09:30:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/2/11	07:21:38	0.007
2	6/2/11	07:36:38	0.006
3	6/2/11	07:51:38	0.006
4	6/2/11	08:06:38	0.005
5	6/2/11	08:21:38	0.006
6	6/2/11	08:36:38	0.006
7	6/2/11	08:51:38	0.006
8	6/2/11	09:06:38	0.006
9	6/2/11	09:21:38	0.006
10	6/2/11	09:36:38	0.005
11	6/2/11	09:51:38	0.006
12	6/2/11	10:06:38	0.006
13	6/2/11	10:21:38	0.006
14	6/2/11	10:36:38	0.006
15	6/2/11	10:51:38	0.006
16	6/2/11	11:06:38	0.006
17	6/2/11	11:21:38	0.005
18	6/2/11	11:36:38	0.005
19	6/2/11	11:51:38	0.005
20	6/2/11	12:06:38	0.005
21	6/2/11	12:21:38	0.006
22	6/2/11	12:36:38	0.006

Test Data			
Sample	Date	Time	Aerosol mg/m^3
23	6/2/11	12:51:38	0.006
24	6/2/11	13:06:38	0.006
25	6/2/11	13:21:38	0.009
26	6/2/11	13:36:38	0.006
27	6/2/11	13:51:38	0.007
28	6/2/11	14:06:38	0.007
29	6/2/11	14:21:38	0.007
30	6/2/11	14:36:38	0.008
31	6/2/11	14:51:38	0.008
32	6/2/11	15:06:38	0.009
33	6/2/11	15:21:38	0.008
34	6/2/11	15:36:38	0.009
35	6/2/11	15:51:38	0.010
36	6/2/11	16:06:38	0.010
37	6/2/11	16:21:38	0.011
38	6/2/11	16:36:38	0.010

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/2/11
Meter S/N	23445	Start Time	06:58:06
Test Name	UP- Wind Air (Background)	Stop Date	6/2/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	16:28:06
	MGP Site V004736	Total Time	0:09:30:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m^3
1	6/2/11	07:13:06	0.007
2	6/2/11	07:28:06	0.004
3	6/2/11	07:43:06	0.006
4	6/2/11	07:58:06	0.006
5	6/2/11	08:13:06	0.006
6	6/2/11	08:28:06	0.007
7	6/2/11	08:43:06	0.008
8	6/2/11	08:58:06	0.014
9	6/2/11	09:13:06	0.005
10	6/2/11	09:28:06	0.009
11	6/2/11	09:43:06	0.009
12	6/2/11	09:58:06	0.009
13	6/2/11	10:13:06	0.013
14	6/2/11	10:28:06	0.008
15	6/2/11	10:43:06	0.008
16	6/2/11	10:58:06	0.012
17	6/2/11	11:13:06	0.013
18	6/2/11	11:28:06	0.009
19	6/2/11	11:43:06	0.010
20	6/2/11	11:58:06	0.010
21	6/2/11	12:13:06	0.004
22	6/2/11	12:28:06	0.007
23	6/2/11	12:43:06	0.007

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/2/11	12:58:06	0.008
25	6/2/11	13:13:06	0.013
26	6/2/11	13:28:06	0.008
27	6/2/11	13:43:06	0.011
28	6/2/11	13:58:06	0.010
29	6/2/11	14:13:06	0.004
30	6/2/11	14:28:06	0.010
31	6/2/11	14:43:06	0.009
32	6/2/11	14:58:06	0.032
33	6/2/11	15:13:06	0.028
34	6/2/11	15:28:06	0.008
35	6/2/11	15:43:06	0.015
36	6/2/11	15:58:06	0.017
37	6/2/11	16:13:06	0.020
38	6/2/11	16:28:06	0.024

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/3/11
Meter S/N	23445	Start Time	06:48:22
Test Name	Down Wind Air	Stop Date	6/3/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	12:03:22
	MGP Site V004736	Total Time	0:05:15:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/3/11	07:03:22	0.038
2	6/3/11	07:18:22	0.022
3	6/3/11	07:33:22	0.021
4	6/3/11	07:48:22	0.025
5	6/3/11	08:03:22	0.023
6	6/3/11	08:18:22	0.019
7	6/3/11	08:33:22	0.019
8	6/3/11	08:48:22	0.019
9	6/3/11	09:03:22	0.012
10	6/3/11	09:18:22	0.019
11	6/3/11	09:33:22	0.019
12	6/3/11	09:48:22	0.012
13	6/3/11	10:03:22	0.012
14	6/3/11	10:18:22	0.014
15	6/3/11	10:33:22	0.014
16	6/3/11	10:48:22	0.018
17	6/3/11	11:03:22	0.017
18	6/3/11	11:18:22	0.020
19	6/3/11	11:33:22	0.017
20	6/3/11	11:48:22	0.023
21	6/3/11	12:03:22	0.015

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/3/11
Meter S/N	85203025	Start Time	06:43:20
Test Name	UP- Wind Air (Background)	Stop Date	6/3/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	12:13:20
	MGP Site V004736	Total Time	0:05:30:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/3/11	06:58:20	0.015
2	6/3/11	07:13:20	0.013
3	6/3/11	07:28:20	0.014
4	6/3/11	07:43:20	0.011
5	6/3/11	07:58:20	0.014
6	6/3/11	08:13:20	0.010
7	6/3/11	08:28:20	0.011
8	6/3/11	08:43:20	0.014
9	6/3/11	08:58:20	0.011
10	6/3/11	09:13:20	0.011
11	6/3/11	09:28:20	0.009
12	6/3/11	09:43:20	0.009
13	6/3/11	09:58:20	0.012
14	6/3/11	10:13:20	0.009
15	6/3/11	10:28:20	0.010
16	6/3/11	10:43:20	0.010
17	6/3/11	10:58:20	0.011
18	6/3/11	11:13:20	0.012
19	6/3/11	11:28:20	0.011
20	6/3/11	11:43:20	0.010
21	6/3/11	11:58:20	0.010
22	6/3/11	12:13:20	0.011

Test Name	Upwind (Background)		
Location	JB Wise Construction Project Watertown, NY	MGP Site # V004736	
File number	8		
Application	0		
Zone number	0		
Battery	5.5		
Start time	5/31/2011 6:50:06AM		
Time	Channel 1		
	PID		
Gas	Isobutylene		
Units	ppm		
Date	Time	PID	
5/31/2011	7:05:06AM		0
5/31/2011	7:15:06AM		0
5/31/2011	7:30:06AM		0
5/31/2011	7:45:06AM		0
5/31/2011	8:00:06AM		0
5/31/2011	8:15:06AM		0
5/31/2011	8:30:06AM		0
5/31/2011	8:45:06AM		0
5/31/2011	09:00:06AM		0
5/31/2011	9:15:06AM		0
5/31/2011	9:30:06AM		0
5/31/2011	9:45:06AM		0
5/31/2011	10:00:06AM		0
5/31/2011	10:15:06AM		0
5/31/2011	1030:06AM		0
5/31/2011	10:45:06AM		0
5/31/2011	11:00:06PM		0
5/31/2011	11:15:06AM		0
5/31/2011	11:30:06AM		0
5/31/2011	11:45:06AM		0
5/31/2011	12:00:06PM		0
5/31/2011	12:15:06PM		0
5/31/2011	12:30:06PM		0
5/31/2011	12:45:06PM		0
5/31/2011	13:00:06AM		0
5/31/2011	13:15:06AM		0
5/31/2011	13:30:06AM		0
5/31/2011	13:45:06AM		0
5/31/2011	14:00:06PM		0
5/31/2011	14:15:06PM		0
5/31/2011	14:30:06PM		0
5/31/2011	14:45:06PM		0
5/31/2011	15:00:06AM		0
5/31/2011	15:15:06AM		0
5/31/2011	15:30:06AM		0
5/31/2011	15:45:06AM		0
5/31/2011	16:00:06PM		0
5/31/2011	16:15:06PM		0
5/31/2011	16:30:06PM		0

Test Name	Downwind PID		
Location	JB Wise Construction Project Watertown, NY	MGP Site # V004736	
File number	0		
Application	0		
Zone number	0		
Battery	5.5		
Start time	5/31/2011 7:22		
Time	Channel 1		
	PID		
Gas	Isobutylene		
Units	ppm		
Date	Time	PID	
5/31/2011	7:37:11AM		0
5/31/2011	7:52:11AM		0
5/31/2011	8:07:11AM		0
5/31/2011	8:22:11AM		0
5/31/2011	8:35:11AM		0
5/31/2011	8:50:11AM		0
5/31/2011	9:05:11AM		0
5/31/2011	9:20:11AM		0
5/31/2011	9:35:11AM		0
5/31/2011	9:50:11AM		0
5/31/2011	10:05:11AM		0
5/31/2011	10:20:11AM		0
5/31/2011	10:35:11AM		0
5/31/2011	10:50:11AM		0
5/31/2011	11:05:11AM		0
5/31/2011	11:20:11AM		0
5/31/2011	11:35:11AM		0
5/31/2011	11:50:11AM		0
5/31/2011	12:05:11PM		0
5/31/2011	12:20:11PM		0
5/31/2011	12:35:11PM		0
5/31/2011	12:50:11PM		0
5/31/2011	13:05:11PM		0
5/31/2011	13:20:11PM		0
5/31/2011	13:35:11PM		0
5/31/2011	13:50:11PM		0
5/31/2011	14:05:11PM		0
5/31/2011	14:20:11PM		0
5/31/2011	14:35:11PM		0
5/31/2011	14:50:11PM		0
5/31/2011	15:05:11PM		0
5/31/2011	15:20:11PM		0
5/31/2011	15:35:11PM		0
5/31/2011	15:50:11PM		0
5/31/2011	16:05:11PM		0
5/31/2011	16:20:11PM		0

Test Name Downwind PID

Location JB Wise Construction Project Watertown, NY

MGP Site # V004736

File number 0

Application 0

Zone number 0

Battery 5.5

Start time 6/1/11 7:00:01AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/1/2011 7:15:01AM 0

6/1/2011 7:30:01AM 0

6/1/2011 7:45:01AM 0

6/1/2011 8:00:01AM 0

6/1/2011 8:15:01AM 0

6/1/2011 8:30:01AM 0

6/1/2011 8:45:01AM 0

6/1/2011 9:00:01AM 0

6/1/2011 9:15:01AM 0

6/1/2011 9:30:01AM 0

6/1/2011 9:45:01AM 0

6/1/2011 10:00:01AM 0

6/1/2011 10:15:01AM 0

6/1/2011 10:30:01AM 0

6/1/2011 10:45:01AM 0

6/1/2011 11:00:01AM 0

6/1/2011 11:15:01AM 0

6/1/2011 11:30:01AM 0

6/1/2011 11:45:01AM 0

6/1/2011 12:00:01PM 0

6/1/2011 12:15:01PM 0

6/1/2011 12:30:01PM 0

6/1/2011 12:45:01PM 0

6/1/2011 13:00:01PM 0

6/1/2011 13:15:01PM 0

6/1/2011 13:30:01PM 0

6/1/2011 13:45:01PM 0

6/1/2011 14:00:01PM 0

6/1/2011 14:15:01PM 0

6/1/2011 14:30:01PM 0

6/1/2011 14:45:01PM 0

6/1/2011 14:00:01PM 0

6/1/2011 14:15:01PM 0

6/1/2011 14:30:01PM 0

6/1/2011 14:45:01PM 0

6/1/2011 15:00:01PM	0
6/1/2011 15:15:01PM	0
6/1/2011 15:30:01PM	0
6/1/2011 15:45:01PM	0
6/1/2011 16:00:01PM	0
6/1/2011 16:15:01PM	0
6/1/2011 16:30:01PM	0

Test Name Upwind (Background)
Location JB Wise Construction Project Watertown, NY
File number 8
Application 0
Zone numb 0
Battery 5.5

Start time 6/1/2011 7:23:06AM

Time Channel 1
PID

Gas Isobutylene

Units ppm

Date Time PID

6/1/2011	7:38:06AM	0
6/1/2011	7:53:06AM	0
6/1/2011	8:08:06AM	0
6/1/2011	8:23:06AM	0
6/1/2011	8:38:06AM	0
6/1/2011	8:53:06AM	0
6/1/2011	9:08:06AM	0
6/1/2011	9:23:06AM	0
6/1/2011	9:38:06AM	0
6/1/2011	9:53:06AM	0
6/1/2011	10:08:06AM	0
6/1/2011	10:23:06AM	0
6/1/2011	10:38:06AM	0
6/1/2011	10:53:06AM	0
6/1/2011	11:08:06AM	0
6/1/2011	11:23:06AM	0
6/1/2011	11:38:06AM	0
6/1/2011	11:53:06AM	0
6/1/2011	12:08:06PM	0
6/1/2011	12:23:06PM	0
6/1/2011	12:38:06PM	0
6/1/2011	12:53:06PM	0
6/1/2011	13:08:06 PM	0
6/1/2011	13:23:06PM	0
6/1/2011	13:38:06PM	0
6/1/2011	13:53:06PM	0
6/1/2011	14:08:06PM	0
6/1/2011	14:23:06PM	0
6/1/2011	14:38:06PM	0
6/1/2011	14:53:06PM	0
6/1/2011	15:08:06PM	0
6/1/2011	15:23:06PM	0
6/1/2011	15:38:06PM	0
6/1/2011	15:53:06PM	0
6/1/2011	16:08:06 PM	0
6/1/2011	16:23:06PM	0

Location JB Wise Construction Project Watertown, NY

MGP Site # V004736

File numbe 0

Application 0

Zone numb 0

Battery 5.5

Start time 6/2/11 6:58:35AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/2/2011 7:13:35AM 0

6/2/2011 7:28:35AM 0

6/2/2011 7:43:35AM 0

6/2/2011 7:58:35AM 0

6/2/2011 8:13:35AM 0

6/2/2011 8:28:35AM 0

6/2/2011 8:43:35AM 0

6/2/2011 8:58:35AM 0

6/2/2011 9:13:35AM 0

6/2/2011 9:28:35AM 0

6/2/2011 9:43:35AM 0

6/2/2011 9:58:35AM 0

6/2/2011 10:13:35AM 0

6/2/2011 10:28:35AM 0

6/2/2011 10:43:35AM 0

6/2/2011 10:58:35AM 0

6/2/2011 11:13:35AM 0

6/2/2011 11:28:35AM 0

6/2/2011 11:43:35AM 0

6/2/2011 11:58:35AM 0

6/2/2011 12:13:35PM 0

6/2/2011 12:28:35PM 0

6/2/2011 12:43:35PM 0

6/2/2011 12:58:35PM 0

6/2/2011 13:13:35PM 0

6/2/2011 13:28:35PM 0

6/2/2011 13:43:35PM 0

6/2/2011 13:58:35PM 0

6/2/2011 14:13:35PM 0

6/2/2011 14:28:35PM 0

6/2/2011 14:43:35PM 0

6/2/2011 14:58:35PM 0

6/2/2011 15:13:35PM 0

6/2/2011 15:28:35PM 0

6/2/2011 15:43:35PM 0

6/2/2011 15:58:35PM	0
6/2/2011 16:13:35PM	0
6/2/2011 16:28:35PM	0

Location JB Wise Construction Project Watertown, NY

MGP Site # V004736

File number 0

Application 0

Zone number 0

Battery 5.5

Start time 6/2/11 7:06:16AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/2/2011 7:21:16AM 0

6/2/2011 7:36:16AM 0

6/2/2011 7:51:16AM 0

6/2/2011 8:06:16AM 0

6/2/2011 8:21:16AM 0

6/2/2011 8:36:16AM 0

6/2/2011 8:51:16AM 0

6/2/2011 9:06:16AM 0

6/2/2011 9:21:16AM 0

6/2/2011 9:36:16AM 0

6/2/2011 9:51:16AM 0

6/2/2011 10:06:16AM 0

6/2/2011 10:21:16AM 0

6/2/2011 10:36:16AM 0

6/2/2011 11:51:16AM 0

6/2/2011 12:06:16PM 0

6/2/2011 12:21:16PM 0

6/2/2011 12:36:16PM 0

6/2/2011 12:51:16PM 0

6/2/2011 13:06:16PM 0

6/2/2011 13:21:16PM 0

6/2/2011 13:36:16PM 0

6/2/2011 13:51:16PM 0

6/2/2011 14:06:16PM 0

6/2/2011 14:21:16PM 0

6/2/2011 14:36:16PM 0

6/2/2011 14:51:16PM 0

6/2/2011 15:06:16PM 0

6/2/2011 15:21:16PM 0

6/2/2011 15:36:16PM 0

6/2/2011 15:51:16PM 0

6/2/2011 16:06:16PM 0

6/2/2011 16:21:16PM 0

6/2/2011 16:36:16PM 0

Location JB Wise Construction Project Watertown, NY

MGP Site # V004736

File number 0

Application 0

Zone number 0

Battery 5.5

Start time 6/3/2011 6:43

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/3/2011 6:58:23AM 0

6/3/2011 7:13:23AM 0

6/3/2011 7:28:23AM 0

6/3/2011 7:43:23AM 0

6/3/2011 7:58:23AM 0

6/3/2011 8:13:23AM 0

6/3/2011 8:28:23AM 0

6/3/2011 8:43:23AM 0

6/3/2011 8:58:23AM 0

6/3/2011 9:13:23AM 0

6/3/2011 9:28:23AM 0

6/3/2011 9:43:23AM 0

6/3/2011 9:58:23AM 0

6/3/2011 10:13:23AM 0

6/3/2011 10:28:23AM 0

6/3/2011 10:43:23AM 0

6/3/2011 10:58:23AM 0

6/3/2011 11:13:23AM 0

6/3/2011 11:28:23AM 0

6/3/2011 11:43:23AM 0

6/3/2011 11:58:23AM 0

6/3/2011 12:13:23PM 0

Location JB Wise Construction Project Watertown, NY

MGP Site # V004736

File number 0

Application 0

Zone number 0

Battery 5.5

Start time 6/3/11 6:48:07AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/3/2011 7:03:07AM 0

6/3/2011 7:18:07AM 0

6/3/2011 7:33:07AM 0

6/3/2011 7:48:07AM 0

6/3/2011 8:03:07AM 0

6/3/2011 8:18:07AM 0

6/3/2011 8:33:07AM 0

6/3/2011 8:48:07AM 0

6/3/2011 9:03:07AM 0

6/3/2011 10:18:07AM 0

6/3/2011 10:33:07AM 0

6/3/2011 10:48:07AM 0

6/3/2011 11:03:07AM 0

6/3/2011 11:18:07AM 0

6/3/2011 11:33:07AM 0

6/3/2011 11:48:07AM 0

6/3/2011 12:03:07PM 0

Instrument		Data Properties	
Model	Dust Trak	Start Date	6//6/11
Meter S/N	85203025	Start Time	06:40:03
Test Name	UP- Wind Air (Backround)	Stop Date	6/6/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	16:10:03
Site ID	MGP Site V004736	Total Time	0:09:30:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m^3
1	6//6/11	06:55:03	0.058
2	6//6/11	07:10:03	0.056
3	6//6/11	07:25:03	0.057
4	6//6/11	07:40:03	0.060
5	6//6/11	07:55:03	0.064
6	6/6/11	08:10:03	0.062
7	6/6/11	08:25:03	0.064
8	6/6/11	08:40:03	0.063
9	6/6/11	08:55:03	0.060
10	6/6/11	09:10:03	0.054
11	6/6/11	09:25:03	0.053
12	6/6/11	09:40:03	0.051
13	6/6/11	09:55:03	0.053
14	6/6/11	10:10:03	0.043
15	6/6/11	10:25:03	0.039
16	6/6/11	10:40:03	0.035
17	6/6/11	10:55:03	0.037
18	6/6/11	11:10:03	0.033
19	6/6/11	11:25:03	0.032
20	6/6/11	11:40:03	0.031
21	6/6/11	11:55:03	0.028
22	6/6/11	12:10:03	0.026
23	6/6/11	12:25:03	0.030

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/6/11	12:40:03	0.028
25	6/6/11	12:55:03	0.030
26	6/6/11	13:10:03	0.025
27	6/6/11	13:25:03	0.033
28	6/6/11	13:40:03	0.034
29	6/6/11	13:55:03	0.026
30	6/6/11	14:10:03	0.023
31	6/6/11	14:25:03	0.023
32	6/6/11	14:40:03	0.027
33	6/6/11	14:55:03	0.024
34	6/6/11	15:10:03	0.023
35	6/6/11	15:25:03	0.023
36	6/6/11	15:40:03	0.024
37	6/6/11	15:55:03	0.025
38	6/6/11	16:10:03	0.024

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/6/11
Meter S/N	23445	Start Time	06:48:22
Test	Down Wind Air	Stop Date	6/6/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	16:18:45
Site ID	MGP Site V004736	Total Time	0:09:30: 23
		Logging Interval	900 seconds
Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/6/11	07:03:22	0.038
2	6/6/11	07:18:22	0.022
3	6/6/11	07:33:22	0.021
4	6/6/11	07:48:22	0.025
5	6/6/11	08:03:22	0.023
6	6/6/11	08:18:22	0.019
7	6/6/11	08:33:22	0.019
8	6/6/11	08:48:22	0.019
9	6/6/11	09:03:22	0.012
10	6/6/11	09:18:22	0.019
11	6/6/11	09:33:22	0.019
12	6/6/11	09:48:22	0.012
13	6/6/11	10:03:22	0.012
14	6/6/11	10:18:22	0.014
15	6/6/11	10:33:22	0.014
16	6/6/11	10:48:22	0.018
17	6/6/11	11:03:22	0.017
18	6/6/11	11:18:22	0.020
19	6/6/11	11:33:22	0.017
20	6/6/11	11:48:22	0.023
21	6/6/11	12:03:22	0.021
22	6/6/11	12:18:22	0.020
23	6/6/11	12:33:22	0.022

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/6/11	12:48:22	0.021
4	6/6/11	13:03:22	0.025
5	6/6/11	13:18:22	0.023
6	6/6/11	13:33:22	0.021
7	6/6/11	13:48:22	0.019
8	6/6/11	14:03:22	0.020
9	6/6/11	14:18:22	0.016
10	6/6/11	14:33:22	0.017
11	6/6/11	14:48:22	0.019
12	6/6/11	15:03:22	0.015
13	6/6/11	15:18:22	0.017
14	6/6/11	15:33:22	0.018
15	6/6/11	15:48:22	0.015
16	6/6/11	16:03:22	0.015
17	6/6/11	16:18:22	0.016

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/7/11
Meter S/N	85203025	Start Time	06:49:36
Test Name	UP- Wind Air (Background)	Stop Date	6/7/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	16:49:36
Site ID	MGP Site V004736	Total Time	0:10:00:00
		Logging Interval	900 seconds
Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/7/11	07:04:36	0.025
2	6/7/11	07:19:36	0.026
3	6/7/11	07:34:36	0.029
4	6/7/11	07:49:36	0.027
5	6/7/11	08:04:36	0.029
6	6/7/11	08:19:36	0.032
7	6/7/11	08:34:36	0.030
8	6/7/11	08:49:36	0.028
9	6/7/11	09:04:36	0.042
10	6/7/11	09:19:36	0.036
11	6/7/11	09:34:36	0.036
12	6/7/11	09:49:36	0.038
13	6/7/11	10:04:36	0.035
14	6/7/11	10:19:36	0.048
15	6/7/11	10:34:36	0.041
16	6/7/11	10:49:36	0.038
17	6/7/11	11:04:36	0.056
18	6/7/11	11:19:36	0.038
19	6/7/11	11:34:36	0.037
20	6/7/11	11:49:36	0.052
21	6/7/11	12:04:36	0.034
22	6/7/11	12:19:36	0.033
23	6/7/11	12:34:36	0.028

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/7/11	12:49:36	0.031
25	6/7/11	13:04:36	0.040
26	6/7/11	13:19:36	0.036
27	6/7/11	13:34:36	0.035
28	6/7/11	13:49:36	0.033
29	6/7/11	14:04:36	0.045
30	6/7/11	14:19:36	0.040
31	6/7/11	14:34:36	0.049
32	6/7/11	14:49:36	0.031
33	6/7/11	15:04:36	0.036
34	6/7/11	15:19:36	0.034
35	6/7/11	15:34:36	0.036
36	6/7/11	15:49:36	0.039
37	6/7/11	16:04:36	0.036
38	6/7/11	16:19:36	0.036
39	6/7/11	16:34:36	0.036
40	6/7/11	16:49:36	0.035

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/7/11
Meter S/N	23445	Start Time	06:48:37
Test	Down Wind Air	Stop Date	6/7/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	16:18:37
Site ID	MGP Site V004736	Total Time	0:09:30:00
		Logging Interval	900 seconds
Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/7/11	07:03:37	0.077
2	6/7/11	07:18:37	0.069
3	6/7/11	07:33:37	0.078
4	6/7/11	07:48:37	0.078
5	6/7/11	08:03:37	0.083
6	6/7/11	08:18:37	0.078
7	6/7/11	08:33:37	0.081
8	6/7/11	08:48:37	0.077
9	6/7/11	09:03:37	0.069
10	6/7/11	09:18:37	0.073
11	6/7/11	09:33:37	0.071
12	6/7/11	09:48:37	0.064
13	6/7/11	10:03:37	0.085
14	6/7/11	10:18:37	0.047
15	6/7/11	10:33:37	0.058
16	6/7/11	10:48:37	0.062
17	6/7/11	11:03:37	0.054
18	6/7/11	11:18:37	0.037
19	6/7/11	11:33:37	0.032
20	6/7/11	11:48:37	0.030
21	6/7/11	12:03:37	0.028
22	6/7/11	12:18:37	0.029
23		12:33:37	0.024

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/7/11	12:48:37	0.029
25	6/7/11	13:03:37	0.033
26	6/7/11	13:18:37	0.026
27	6/7/11	13:33:37	0.029
28	6/7/11	13:48:37	0.045
29	6/7/11	14:03:37	0.044
30	6/7/11	14:18:37	0.035
31	6/7/11	14:33:37	0.053
32	6/7/11	14:48:37	0.040
33	6/7/11	15:03:37	0.030
34	6/7/11	15:18:37	0.028
35	6/7/11	15:33:37	0.022
36	6/7/11	15:48:37	0.022
37	6/7/11	16:03:37	0.024
38	6/7/11	16:18:37	0.022

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/8/11
Meter S/N	23445	Start Time	06:49:54
Test Name	UP- Wind Air (Background)	Stop Date	6/8/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	15:19:54
Site ID	MGP Site V004736	Total Time	0:08:30:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m^3
1	6/8/11	07:04:54	0.122
2	6/8/11	07:19:54	0.113
3	6/8/11	07:34:54	0.108
4	6/8/11	07:49:54	0.097
5	6/8/11	08:04:54	0.087
6	6/8/11	08:19:54	0.080
7	6/8/11	08:34:54	0.076
8	6/8/11	08:49:54	0.073
9	6/8/11	09:04:54	0.074
10	6/8/11	09:19:54	0.073
11	6/8/11	09:34:54	0.068
12	6/8/11	09:49:54	0.064
13	6/8/11	10:04:54	0.061
14	6/8/11	10:19:54	0.057
15	6/8/11	10:34:54	0.055
16	6/8/11	10:49:54	0.058
17	6/8/11	11:04:54	0.061
18	6/8/11	11:19:54	0.060
19	6/8/11	11:34:54	0.057
20	6/8/11	11:49:54	0.052
21	6/8/11	12:04:54	0.056
22	6/8/11	12:19:54	0.058
23	6/8/11	12:34:54	0.064

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/8/11	12:49:54	0.062
25	6/8/11	13:04:54	0.063
26	6/8/11	13:19:54	0.064
27	6/8/11	13:34:54	0.064
28	6/8/11	13:49:54	0.065
29	6/8/11	14:04:54	0.065
30	6/8/11	14:19:54	0.066
31	6/8/11	14:34:54	0.066
32	6/8/11	14:49:54	0.067
33	6/8/11	15:04:54	0.067
34	6/8/11	15:19:54	0.068

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/8/11
Meter S/N	85203025	Start Time	06:52:54
Test	Down Wind Air	Stop Date	6/8/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	15:22:54
Site ID	MGP Site V004736	Total Time	0:08:30:00
		Logging Interval	900 seconds
Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/8/11	07:07:54	0.116
2	6/8/11	07:22:54	0.103
3	6/8/11	07:37:54	0.100
4	6/8/11	07:52:54	0.089
5	6/8/11	08:07:54	0.084
6	6/8/11	08:22:54	0.080
7	6/8/11	08:37:54	0.078
8	6/8/11	08:52:54	0.076
9	6/8/11	09:07:54	0.079
10	6/8/11	09:22:54	0.075
11	6/8/11	09:37:54	0.072
12	6/8/11	09:52:54	0.069
13	6/8/11	10:07:54	0.066
14	6/8/11	10:22:54	0.061
15	6/8/11	10:37:54	0.066
16	6/8/11	10:52:54	0.066
17	6/8/11	11:07:54	0.076
18	6/8/11	11:22:54	0.071
19	6/8/11	11:37:54	0.066
20	6/8/11	11:52:54	0.064
21	6/8/11	12:07:54	0.068
22	6/8/11	12:22:54	0.071
23	6/8/11	12:37:54	0.077

Test Data			
Sample	Date	Time	Aerosol mg/m^3
24	6/8/11	12:52:54	0.069
25	6/8/11	13:07:54	0.071
26	6/8/11	13:22:54	0.073
27	6/8/11	13:37:54	0.070
28	6/8/11	13:52:54	0.068
29	6/8/11	14:07:54	0.068
30	6/8/11	14:22:54	0.069
31	6/8/11	14:37:54	0.072
32	6/8/11	14:52:54	0.072
33	6/8/11	15:07:54	0.084
34	6/8/11	15:22:54	0.073

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/9/11
Meter S/N	85203025	Start Time	06:38:06
Test Name	UP- Wind Air (Background)	Stop Date	6/9/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	14:53:06
Site ID	MGP Site V004736	Total Time	0:08:15:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/9/11	06:53:06	0.103
2	6/9/11	07:08:06	0.094
3	6/9/11	07:23:06	0.089
4	6/9/11	07:38:06	0.087
5	6/9/11	07:53:06	0.086
6	6/9/11	08:08:06	0.087
7	6/9/11	08:23:06	0.087
8	6/9/11	08:38:06	0.087
9	6/9/11	08:53:06	0.085
10	6/9/11	09:08:06	0.084
11	6/9/11	09:23:06	0.083
12	6/9/11	09:38:06	0.083
13	6/9/11	09:53:06	0.086
14	6/9/11	10:08:06	0.084
15	6/9/11	10:23:06	0.087
16	6/9/11	10:38:06	0.091
17	6/9/11	10:53:06	0.083
18	6/9/11	11:08:06	0.079
19	6/9/11	11:23:06	0.078
20	6/9/11	11:38:06	0.074
21	6/9/11	11:53:06	0.076
22	6/9/11	12:08:06	0.073
23	6/9/11	12:23:06	0.069

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/9/11	12:38:06	0.069
25	6/9/11	12:53:06	0.072
26	6/9/11	13:08:06	0.070
27	6/9/11	13:23:06	0.070
28	6/9/11	13:38:06	0.087
29	6/9/11	13:53:06	0.072
30	6/9/11	14:08:06	0.074
31	6/9/11	14:23:06	0.079
32	6/9/11	14:38:06	0.067
33	6/9/11	14:53:06	0.065

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/9/11
Meter S/N	23445	Start Time	06:48:45
Test	Down Wind Air	Stop Date	6/9/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	15:03:45
Site ID	MGP Site V004736	Total Time	0:08:15:00
		Logging Interval	900 seconds
Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/9/11	07:03:45	0.125
2	6/9/11	07:18:45	0.116
3	6/9/11	07:33:45	0.111
4	6/9/11	07:48:45	0.111
5	6/9/11	08:03:45	0.108
6	6/9/11	08:18:45	0.130
7	6/9/11	08:33:45	0.132
8	6/9/11	08:48:45	0.107
9	6/9/11	09:03:45	0.114
10	6/9/11	09:18:45	0.103
11	6/9/11	09:33:45	0.100
12	6/9/11	09:48:45	0.101
13	6/9/11	10:03:45	0.099
14	6/9/11	10:18:45	0.100
15	6/9/11	10:33:45	0.114
16	6/9/11	10:48:45	0.093
17	6/9/11	11:03:45	0.089
18	6/9/11	11:18:45	0.100
19	6/9/11	11:33:45	0.081
20	6/9/11	11:48:45	0.080
21	6/9/11	12:03:45	0.072
22	6/9/11	12:18:45	0.068
23	6/9/11	12:33:45	0.073

Test Data			
Sample	Date	Time	Aerosol mg/m^3
24	6/9/11	12:48:45	0.074
25	6/9/11	13:03:45	0.072
26	6/9/11	13:18:45	0.072
27	6/9/11	13:33:45	0.069
28	6/9/11	13:48:45	0.072
29	6/9/11	14:03:45	0.069
30	6/9/11	14:18:45	0.073
31	6/9/11	14:33:45	0.066
32	6/9/11	14:48:45	0.069
33	6/9/11	15:03:45	0.064

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/10/11
Meter S/N	23445		Start Time	06:38:32
Test Name	UP- Wind Air (Background)		Stop Date	6/10/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	13:08:32
Site ID	MGP Site V004736		Total Time	0:06:30:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	6/10/11	06:53:32	0.012	
2	6/10/11	07:08:32	0.014	
3	6/10/11	07:23:32	0.024	
4	6/10/11	07:38:32	0.024	
5	6/10/11	07:53:32	0.029	
6	6/10/11	08:08:32	0.045	
7	6/10/11	08:23:32	0.041	
8	6/10/11	08:38:32	0.023	
9	6/10/11	08:53:32	0.026	
10	6/10/11	09:08:32	0.019	
11	6/10/11	09:23:32	0.019	
12	6/10/11	09:38:32	0.033	
13	6/10/11	09:53:32	0.027	
14	6/10/11	10:08:32	0.020	
15	6/10/11	10:23:32	0.019	
16	6/10/11	10:38:32	0.017	
17	6/10/11	10:53:32	0.033	
18	6/10/11	11:08:32	0.044	
19	6/10/11	11:23:32	0.030	
20		11:38:32	0.027	
21	6/10/11	11:53:32	0.043	
22	6/10/11	12:08:32	0.022	
23	6/10/11	12:23:32	0.029	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/10/11	12:38:32	0.040
25	6/10/11	12:53:32	0.049
26	6/10/11	13:08:32	0.040

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/10/11
Meter S/N	85203025		Start Time	06:46:45
Test	Down Wind Air		Stop Date	6/10/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	13:01:45
Site ID	MGP Site V004736		Total Time	0:06:15:00
			Logging Interval	900 seconds
Test Data				
Sample		Date	Time	Aerosol mg/m^3
1		6/10/11	07:01:45	0.009
2		6/10/11	07:16:45	0.010
3		6/10/11	07:31:45	0.014
4		6/10/11	07:46:45	0.024
5		6/10/11	08:01:45	0.011
6		6/10/11	08:16:45	0.009
7		6/10/11	08:31:45	0.017
8		6/10/11	08:46:45	0.022
9		6/10/11	09:01:45	0.022
10		6/10/11	09:16:45	0.022
11		6/10/11	09:31:45	0.047
12		6/10/11	09:46:45	0.025
13		6/10/11	10:01:45	0.012
14		6/10/11	10:16:45	0.014
15		6/10/11	10:31:45	0.010
16		6/10/11	10:46:45	0.011
17		6/10/11	11:01:45	0.011
18		6/10/11	11:16:45	0.011
19		6/10/11	11:31:45	0.011
20		6/10/11	11:46:45	0.012
21		6/10/11	12:01:45	0.012
22		6/10/11	12:16:45	0.013
23		6/10/11	12:31:45	0.014

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/10/11	12:46:45	0.015
25	6/10/11	13:01:45	0.015

Test Name Upwind (Background)
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/6/2011 6:40:38AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/6/2011	6:55:38am	0
6/6/2011	7:10:38am	0
6/6/2011	7:25:38am	0
6/6/2011	7:40:38am	0
6/6/2011	7:55:38am	0
6/6/2011	8:10:38am	0
6/6/2011	8:25:38am	0
6/6/2011	8:40:38am	0
6/6/2011	8:55:38am	0
6/6/2011	9:10:38am	0
6/6/2011	9:25:38am	0
6/6/2011	9:40:38am	0
6/6/2011	9:55:38am	0
6/6/2011	10:10:38am	0
6/6/2011	10:25:38am	0
6/6/2011	10:40:38am	0
6/6/2011	10:55:38am	0
6/6/2011	11:10:38am	0
6/6/2011	11:25:38am	0
6/6/2011	11:40:38am	0
6/6/2011	11:55:38am	0
6/6/2011	12:10:38pm	0
6/6/2011	12:25:38pm	0
6/6/2011	12:40:38pm	0
6/6/2011	12:55:38pm	0
6/6/2011	13:10:38pm	0
6/6/2011	13:25:38pm	0
6/6/2011	13:40:38pm	0
6/6/2011	13:55:38pm	0
6/6/2011	14:10:38pm	0
6/6/2011	14:25:38pm	0
6/6/2011	14:40:38pm	0
6/6/2011	14:55:38pm	0
6/6/2011	15:10:38pm	0

6/6/2011	15:25:38pm	0
6/6/2011	15:40:38pm	0
6/6/2011	15:55:38pm	0
6/6/2011	16:10:38am	0

Test Name	Down Wind PID
Location	JB Wise Construction Project Watertown, NY
Site ID	MGP Site V004736
File number	0
Application	0
Zone number	0
Battery	5.5
Start time	6/6/2011 6:48:27AM
Time	Channel 1

	PID
Gas	Isobutylene
Units	ppm

Date	Time	PID
6/6/2011	7:03:27am	0
6/6/2011	7:18:27am	0
6/6/2011	7:33:27am	0
6/6/2011	7:48:27am	0
6/6/2011	8:03:27am	0
6/6/2011	8:18:27am	0
6/6/2011	8:33:27am	0
6/6/2011	8:48:27am	0
6/6/2011	9:03:27am	0
6/6/2011	9:18:27am	0
6/6/2011	9:33:27am	0
6/6/2011	9:48:27am	0
6/6/2011	10:03:27am	0
6/6/2011	10:18:27am	0
6/6/2011	10:33:27am	0
6/6/2011	10:48:27am	0
6/6/2011	11:03:27am	0
6/6/2011	11:18:27am	0
6/6/2011	11:33:27am	0
6/6/2011	11:48:27am	0
6/6/2011	12:03:27pm	0
6/6/2011	12:18:27pm	0
6/6/2011	12:33:27pm	0
6/6/2011	12:48:27pm	0
6/6/2011	13:03:27pm	0
6/6/2011	13:18:27pm	0
6/6/2011	13:33:27pm	0
6/6/2011	13:48:27pm	0
6/6/2011	14:03:27pm	0
6/6/2011	14:18:27pm	0
6/6/2011	14:33:27pm	0
6/6/2011	14:48:27pm	0
6/6/2011	15:03:27pm	0
6/6/2011	15:18:27pm	0

6/6/2011	15:33:27pm	0
6/6/2011	15:48:27pm	0
6/6/2011	16:03:27pm	0
6/6/2011	16:18:27pm	0

Test Name Upwind (Background)

Location JB Wise Construction Project Watertown, NY

Site ID MGP Site V004736

File numbe 0

Application 0

Zone numb 0

Battery 5.5

Start time 6/7/2011 6:49:07am

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/7/2011 7:04:07am 0

6/7/2011 7:19:07am 0

6/7/2011 7:34:07am 0

6/7/2011 7:49:07am 0

6/7/2011 8:04:07am 0

6/7/2011 8:19:07am 0

6/7/2011 8:34:07am 0

6/7/2011 8:49:07am 0

6/7/2011 9:04:07am 0

6/7/2011 9:19:07am 0

6/7/2011 9:34:07am 0

6/7/2011 9:49:07am 0

6/7/2011 10:04:07am 0

6/7/2011 10:19:07am 0

6/7/2011 10:34:07am 0

6/7/2011 10:49:07am 0

6/7/2011 11:04:07am 0

6/7/2011 11:19:07am 0

6/7/2011 11:34:07am 0

6/7/2011 11:49:07am 0

6/7/2011 12:04:07pm 0

6/7/2011 12:19:07pm 0

6/7/2011 12:34:07pm 0

6/7/2011 12:49:07pm 0

6/7/2011 13:04:07pm 0

6/7/2011 13:19:07pm 0

6/7/2011 13:34:07pm 0

6/7/2011 13:49:07pm 0

6/7/2011 14:04:07pm 0

6/7/2011 14:19:07pm 0

6/7/2011 14:34:07pm 0

6/7/2011 14:49:07pm 0

6/7/2011 14:04:07pm 0

6/7/2011 14:19:07pm 0

6/7/2011	14:34:07pm	0
6/7/2011	14:49:07pm	0
6/7/2011	15:04:07pm	0
6/7/2011	15:19:07pm	0
6/7/2011	15:34:07pm	0
6/7/2011	15:49:07pm	0
6/7/2011	16:04:07pm	0
6/7/2011	16:19:07pm	0
6/7/2011	16:34:07pm	0
6/7/2011	16:49:07pm	0

Test Name Down Wind PID

Location JB Wise Construction Project Watertown, NY

Site ID MGP Site V004736

File numbe 0

Application 0

Zone numb 0

Battery 5.5

Start time 6/7/2011 6:48:12AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/7/2011 7:03:12am 0

6/7/2011 7:18:37am 0

6/7/2011 7:33:37am 0

6/7/2011 7:48:37am 0

6/7/2011 8:03:12am 0

6/7/2011 8:18:37am 0

6/7/2011 8:33:37am 0

6/7/2011 8:48:37am 0

6/7/2011 9:03:12am 0

6/7/2011 10:18:37am 0

6/7/2011 10:33:37am 0

6/7/2011 10:48:37am 0

6/7/2011 11:03:12am 0

6/7/2011 11:18:37am 0

6/7/2011 11:33:37am 0

6/7/2011 11:48:37am 0

6/7/2011 12:03:12pm 0

6/7/2011 12:18:37pm 0

6/7/2011 12:33:37pm 0

6/7/2011 12:48:37pm 0

6/7/2011 13:03:12pm 0

6/7/2011 13:18:37pm 0

6/7/2011 13:33:37pm 0

6/7/2011 13:48:37pm 0

6/7/2011 14:03:12pm 0

6/7/2011 14:18:37pm 0

6/7/2011 14:33:37pm 0

6/7/2011 14:48:37pm 0

6/7/2011 15:03:12pm 0

6/7/2011 15:18:37pm 0

6/7/2011 15:33:37pm 0

6/7/2011 15:48:37pm 0

6/7/2011 16:03:12pm 0

6/7/2011 16:18:37pm 0

Test Name Upwind (Background)

Location JB Wise Construction Project Watertown, NY

Site ID MGP Site V004736

File numbe 0

Application 0

Zone numb 0

Battery 5.5

Start time 6/8/2011 6:49:19AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/8/2011 7:04:19am 0

6/8/2011 7:19:19am 0

6/8/2011 7:34:19am 0

6/8/2011 7:49:19am 0

6/8/2011 8:04:19am 0

6/8/2011 8:19:19am 0

6/8/2011 8:34:19am 0

6/8/2011 8:49:19am 0

6/8/2011 9:04:19am 0

6/8/2011 9:19:19am 0

6/8/2011 9:34:19am 0

6/8/2011 9:49:19am 0

6/8/2011 10:04:19am 0

6/8/2011 10:19:19am 0

6/8/2011 10:34:19am 0

6/8/2011 10:49:19am 0

6/8/2011 11:04:19am 0

6/8/2011 11:19:19am 0

6/8/2011 11:34:19am 0

6/8/2011 11:49:19am 0

6/8/2011 11:04:19am 0

6/8/2011 11:19:19am 0

6/8/2011 11:34:19am 0

6/8/2011 11:49:19am 0

6/8/2011 12:04:19pm 0

6/8/2011 12:19:19pm 0

6/8/2011 12:34:19pm 0

6/8/2011 12:49:19pm 0

6/8/2011 13:04:19pm 0

6/8/2011 13:19:19pm 0

6/8/2011 13:34:19pm 0

6/8/2011 13:49:19pm 0

6/8/2011 14:04:19pm 0

6/8/2011 14:19:19pm 0

6/8/2011 14:34:19pm	0
6/8/2011 14:49:19pm	0
6/8/2011 15:04:19pm	0
6/8/2011 15:19:19pm	0

Test Name Down Wind PID

Location JB Wise Construction Project Watertown, NY

Site ID MGP Site V004736

File numbe 0

Application 0

Zone numb 0

Battery 5.5

Start time 6/8/2011 6:52:41AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/8/2011 7:07:41am 0

6/8/2011 7:22:41am 0

6/8/2011 7:37:41am 0

6/8/2011 7:52:41am 0

6/8/2011 8:07:41am 0

6/8/2011 8:22:41am 0

6/8/2011 8:37:41am 0

6/8/2011 8:52:41am 0

6/8/2011 9:07:41am 0

6/8/2011 9:22:41am 0

6/8/2011 9:37:41am 0

6/8/2011 9:52:41am 0

6/8/2011 10:07:41am 0

6/8/2011 10:22:41am 0

6/8/2011 10:37:41am 0

6/8/2011 10:52:41am 0

6/8/2011 11:07:41am 0

6/8/2011 11:22:41am 0

6/8/2011 11:37:41am 0

6/8/2011 11:52:41am 0

6/8/2011 12:07:41pm 0

6/8/2011 12:22:41pm 0

6/8/2011 12:37:41pm 0

6/8/2011 12:52:41pm 0

6/8/2011 13:07:41pm 0

6/8/2011 13:22:41pm 0

6/8/2011 13:37:41pm 0

6/8/2011 13:52:41pm 0

6/8/2011 14:07:41pm 0

6/8/2011 14:22:41pm 0

6/8/2011 14:37:41pm 0

6/8/2011 14:52:41pm 0

6/8/2011 15:07:41pm 0

6/8/2011 15:22:41pm 0

6/8/2011 15:37:41pm	0
6/8/2011 15:52:41pm	0

Test Name	Upwind (Background)		
Location	JB Wise Construction Project Watertown, NY		
Site ID	MGP Site V004736		
File number	0		
Application	0		
Zone number	0		
Battery	5.5		
Start time	6/9/2011 6:38:19AM		
Time	Channel 1		
	PID		
Gas	Isobutylene		
Units	ppm		
Date	Time	PID	
6/9/2011	6:53:19am		0
6/9/2011	7:08:19am		0
6/9/2011	7:23:19am		0
6/9/2011	7:38:19am		0
6/9/2011	7:53:19am		0
6/9/2011	8:08:19am		0
6/9/2011	8:23:19am		0
6/9/2011	8:38:19am		0
6/9/2011	8:53:19am		0
6/9/2011	9:08:19am		0
6/9/2011	9:23:19am		0
6/9/2011	9:38:19am		0
6/9/2011	9:53:19am		0
6/9/2011	10:08:19am		0
6/9/2011	10:23:19am		0
6/9/2011	10:38:19am		0
6/9/2011	10:53:19am		0
6/9/2011	11:08:19am		0
6/9/2011	11:23:19am		0
6/9/2011	11:38:19am		0
6/9/2011	11:53:19am		0
6/9/2011	12:08:19pm		0
6/9/2011	12:23:19pm		0
6/9/2011	12:38:19pm		0
6/9/2011	12:53:19pm		0
6/9/2011	13:08:19pm		0
6/9/2011	13:23:19pm		0
6/9/2011	13:38:19pm		0
6/9/2011	13:53:19pm		0
6/9/2011	14:08:19pm		0
6/9/2011	14:23:19pm		0
6/9/2011	14:38:19pm		0
6/9/2011	14:53:19am		0
6/9/2011	15:08:19pm		0

6/9/2011	15:23:19pm	0
6/9/2011	15:53:19am	0

Test Name Down Wind PID

Location JB Wise Construction Project Watertown, NY

Site ID MGP Site V004736

File numbe 0

Application 0

Zone numb 0

Battery 5.5

Start time 6/9/2011 6:48:09AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/9/2011 7:03:09am 0

6/9/2011 7:18:09am 0

6/9/2011 7:33:09am 0

6/9/2011 7:48:09am 0

6/9/2011 8:03:09am 0

6/9/2011 8:18:09am 0

6/9/2011 8:33:09am 0

6/9/2011 8:48:09am 0

6/9/2011 9:03:09am 0

6/9/2011 9:18:09am 0

6/9/2011 9:33:09am 0

6/9/2011 9:48:09am 0

6/9/2011 10:03:09am 0

6/9/2011 10:18:09am 0

6/9/2011 10:33:09am 0

6/9/2011 10:48:09am 0

6/9/2011 11:03:09am 0

6/9/2011 11:18:09am 0

6/9/2011 11:33:09am 0

6/9/2011 11:48:09am 0

6/9/2011 12:03:09pm 0

6/9/2011 12:18:09pm 0

6/9/2011 12:33:09pm 0

6/9/2011 12:48:09pm 0

6/9/2011 13:03:09pm 0

6/9/2011 13:18:09pm 0

6/9/2011 13:33:09pm 0

6/9/2011 13:48:09pm 0

6/9/2011 14:03:09pm 0

6/9/2011 14:18:09pm 0

6/9/2011 14:33:09pm 0

6/9/2011 14:48:09pm 0

6/9/2011 15:03:09pm 0

Test Name Upwind (Background)
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/10/2011 6:38:32AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/10/2011	6:53:44am	0
6/10/2011	7:08:44am	0
6/10/2011	7:23:44am	0
6/10/2011	7:38:44am	0
6/10/2011	7:53:44am	0
6/10/2011	8:08:44am	0
6/10/2011	8:23:44am	0
6/10/2011	8:38:44am	0
6/10/2011	8:53:44am	0
6/10/2011	9:08:44am	0
6/10/2011	9:23:44am	0
6/10/2011	9:38:44am	0
6/10/2011	9:53:44am	0
6/10/2011	10:08:44am	0
6/10/2011	10:23:44am	0
6/10/2011	10:38:44am	0
6/10/2011	10:53:44am	0
6/10/2011	11:08:44am	0
6/10/2011	11:23:44am	0
6/10/2011	11:38:44am	0
6/10/2011	11:53:44am	0
6/10/2011	12:08:44pm	0
6/10/2011	12:23:44pm	0
6/10/2011	12:38:44pm	0
6/10/2011	12:53:44pm	0
6/10/2011	13:08:44pm	0

Test Name Down Wind PID
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/10/2011 6:46:13AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/10/2011	7:01:13am	0
6/10/2011	7:16:13am	0
6/10/2011	7:31:13am	0
6/10/2011	7:46:13am	0
6/10/2011	8:01:13am	0
6/10/2011	8:16:13am	0
6/10/2011	8:31:13am	0
6/10/2011	8:46:13am	0
6/10/2011	9:01:13am	0
6/10/2011	9:16:13am	0
6/10/2011	9:31:13am	0
6/10/2011	9:46:13am	0
6/10/2011	10:01:13am	0
6/10/2011	10:16:13am	0
6/10/2011	10:31:13am	0
6/10/2011	10:46:13am	0
6/10/2011	11:01:13am	0
6/10/2011	11:16:13am	0
6/10/2011	11:31:13am	0
6/10/2011	11:46:13am	0
6/10/2011	12:01:13pm	0
6/10/2011	12:16:13pm	0
6/10/2011	12:31:13pm	0
6/10/2011	12:46:13pm	0
6/10/2011	13:01:13pm	0

Test Name Upwind (Background)
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/13/2011 6:35:09AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/13/2011	6:50:09am	0
6/13/2011	7:05:09am	0
6/13/2011	7:20:09am	0
6/13/2011	7:35:09am	0
6/13/2011	7:50:09am	0
6/13/2011	8:05:09am	0
6/13/2011	8:20:09am	0
6/13/2011	8:35:09am	0
6/13/2011	8:50:09am	0
6/13/2011	9:05:09am	0
6/13/2011	9:20:09am	0
6/13/2011	9:35:09am	0
6/13/2011	9:50:09am	0
6/13/2011	10:05:09am	0
6/13/2011	10:20:09am	0
6/13/2011	10:35:09am	0
6/13/2011	10:50:09am	0
6/13/2011	11:05:09am	0
6/13/2011	11:20:09am	0
6/13/2011	11:35:09am	0
6/13/2011	11:50:09am	0
6/13/2011	12:05:09pm	0
6/13/2011	12:20:09pm	0
6/13/2011	12:35:09pm	0
6/13/2011	12:50:09pm	0
6/13/2011	13:05:09pm	0
6/13/2011	13:20:09pm	0
6/13/2011	13:35:09pm	0
6/13/2011	13:50:09pm	0
6/13/2011	14:05:09pm	0
6/13/2011	14:20:09pm	0
6/13/2011	14:35:09pm	0
6/13/2011	14:50:09pm	0



6/13/2011	15:05:09pm	0
6/13/2011	15:20:09pm	0
6/13/2011	15:35:09pm	0
6/13/2011	15:50:09pm	0
6/13/2011	16:05:09pm	0
6/13/2011	16:20:09pm	0
6/13/2011	16:35:09pm	0
6/13/2011	16:50:09pm	0
6/13/2011	17:05:09pm	0
6/13/2011	17:20:09pm	0

Test Name	Down Wind PID		
Location	JB Wise Construction Project Watertown, NY		
Site ID	MGP Site V004736		
File number	0		
Application	0		
Zone number	0		
Battery	5.5		
Start time	6/13/2011 6:45:31AM		
Time	Channel 1		
	PID		
Gas	Isobutylene		
Units	ppm		
Date	Time	PID	
6/13/2011	7:00:31am	0	
6/13/2011	7:15:31am	0	
6/13/2011	7:30:31am	0	
6/13/2011	7:45:31am	0	
6/13/2011	8:00:31am	0	
6/13/2011	8:15:31am	0	
6/13/2011	8:30:31am	0	
6/13/2011	8:45:31am	0	
6/13/2011	9:00:31am	0	
6/13/2011	9:15:31am	0	
6/13/2011	9:30:31am	0	
6/13/2011	9:45:31am	0	
6/13/2011	10:00:31am	0	
6/13/2011	10:15:31am	0	
6/13/2011	10:30:31am	0	
6/13/2011	10:45:31am	0	
6/13/2011	11:00:31am	0	
6/13/2011	11:15:31am	0	
6/13/2011	11:30:31am	0	
6/13/2011	11:45:31am	0	
6/13/2011	12:00:31pm	0	
6/13/2011	12:15:31pm	0	
6/13/2011	12:30:31pm	0	
6/13/2011	12:45:31pm	0	
6/13/2011	13:00:31pm	0	
6/13/2011	13:15:31pm	0	
6/13/2011	13:30:31pm	0	
6/13/2011	13:45:31pm	0	
6/13/2011	14:00:31pm	0	
6/13/2011	14:15:31pm	0	
6/13/2011	14:30:31pm	0	
6/13/2011	14:45:31pm	0	
6/13/2011	15:00:31pm	0	
6/13/2011	15:15:31pm	0	

6/13/2011	15:30:31pm	0
6/13/2011	15:45:31pm	0
6/13/2011	16:00:31pm	0
6/13/2011	16:15:31pm	0
6/13/2011	16:30:31pm	0
6/13/2011	16:45:31pm	0
6/13/2011	17:00:31pm	0
6/13/2011	17:15:31pm	0

Test Name Upwind (Background)
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/14/2011 6:40:05am

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/14/2011	6:55:05am	0
6/14/2011	7:10:05am	0
6/14/2011	7:25:05am	0
6/14/2011	7:40:05am	0
6/14/2011	7:55:05am	0
6/14/2011	8:10:05am	0
6/14/2011	8:25:05am	0
6/14/2011	8:40:05am	0
6/14/2011	8:55:05am	0
6/14/2011	9:10:05am	0
6/14/2011	9:25:05am	0
6/14/2011	9:40:05am	0
6/14/2011	9:55:05am	0
6/14/2011	10:10:05am	0
6/14/2011	10:25:05am	0
6/14/2011	10:40:05am	0
6/14/2011	10:55:05am	0
6/14/2011	11:10:05am	0
6/14/2011	11:25:05am	0
6/14/2011	11:40:05am	0
6/14/2011	11:55:05am	0
6/14/2011	12:10:05pm	0
6/14/2011	12:25:05pm	0
6/14/2011	12:40:05pm	0
6/14/2011	12:55:05pm	0
6/14/2011	13:10:05pm	0
6/14/2011	13:25:05pm	0
6/14/2011	13:40:05pm	0
6/14/2011	13:55:05pm	0
6/14/2011	14:10:05pm	0
6/14/2011	14:25:05pm	0
6/14/2011	14:40:05pm	0
6/14/2011	14:55:05pm	0
6/14/2011	15:10:05pm	0

6:33:01

6/14/2011	15:25:05pm	0
6/14/2011	15:40:05pm	0
6/14/2011	12:55:05pm	0
6/14/2011	13:10:05pm	0
6/14/2011	13:25:05pm	0
6/14/2011	13:40:05pm	0
6/14/2011	13:55:05pm	0
6/14/2011	14:10:05pm	0
6/14/2011	14:25:05pm	0
6/14/2011	14:40:05pm	0
6/14/2011	14:55:05pm	0
6/14/2011	15:10:05pm	0
6/14/2011	15:25:05pm	0

Test Name Down Wind PID
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/14/2011 6:33:53AM

Time Channel 1
PID

Gas Isobutylene

Units ppm

Date Time PID

6/14/2011	6:48:53am	0
6/14/2011	7:03:53am	0
6/14/2011	7:18:53am	0
6/14/2011	7:33:53am	0
6/14/2011	7:48:53am	0
6/14/2011	8:03:53am	0
6/14/2011	8:18:53am	0
6/14/2011	8:33:53am	0
6/14/2011	8:48:53am	0
6/14/2011	9:03:53am	0
6/14/2011	9:18:53am	0
6/14/2011	9:33:53am	0
6/14/2011	9:48:53am	0
6/14/2011	10:03:53am	0
6/14/2011	10:18:53am	0
6/14/2011	10:33:53am	0
6/14/2011	10:48:53am	0
6/14/2011	11:03:53am	0
6/14/2011	11:18:53am	0
6/14/2011	11:33:53am	0
6/14/2011	11:48:53am	0
6/14/2011	12:03:53pm	0
6/14/2011	12:18:53pm	0
6/14/2011	12:33:53pm	0
6/14/2011	12:48:53pm	0
6/14/2011	13:03:53pm	0
6/14/2011	13:18:53pm	0
6/14/2011	13:33:53pm	0
6/14/2011	13:48:53pm	0
6/14/2011	14:03:53pm	0
6/14/2011	14:18:53pm	0
6/14/2011	14:33:53pm	0
6/14/2011	14:48:53pm	0
6/14/2011	13:03:53pm	0

6/14/2011	13:18:53pm	0
6/14/2011	13:33:53pm	0
6/14/2011	13:48:53pm	0
6/14/2011	14:03:53pm	0
6/14/2011	14:18:53pm	0
6/14/2011	14:33:53pm	0
6/14/2011	14:48:53pm	0
6/14/2011	15:03:53pm	0
6/14/2011	15:18:53pm	0

Test Name	Upwind (Background)		
Location	JB Wise Construction Project Watertown, NY		
Site ID	MGP Site V004736		
File number	0		
Application	0		
Zone number	0		
Battery	5.5		
Start time	6/15/2011 6:40:27AM		
Time	Channel 1		
	PID		
Gas	Isobutylene		
Units	ppm		
Date	Time	PID	
6/15/2011	6:55:27am	0	
6/15/2011	7:10:27am	0	
6/15/2011	7:25:27am	0	
6/15/2011	7:40:27am	0	
6/15/2011	7:55:27am	0	
6/15/2011	8:10:27am	0	
6/15/2011	8:25:27am	0	
6/15/2011	8:40:27am	0	
6/15/2011	8:55:27am	0	
6/15/2011	9:10:27am	0	
6/15/2011	9:25:27am	0	
6/15/2011	9:40:27am	0	
6/15/2011	9:55:27am	0	
6/15/2011	10:10:27am	0	
6/15/2011	10:25:27am	0	
6/15/2011	10:40:27am	0	
6/15/2011	10:55:27am	0	
6/15/2011	11:10:27am	0	
6/15/2011	11:25:27am	0	
6/15/2011	11:40:27am	0	
6/15/2011	11:55:27am	0	
6/15/2011	12:10:27am	0	
6/15/2011	12:25:27am	0	
6/15/2011	12:40:27pm	0	
6/15/2011	12:55:27pm	0	
6/15/2011	13:10:27pm	0	
6/15/2011	13:25:27pm	0	
6/15/2011	13:40:27pm	0	
6/15/2011	13:55:27pm	0	
6/15/2011	14:10:27pm	0	
6/15/2011	14:25:27pm	0	
6/15/2011	14:40:27pm	0	
6/15/2011	14:55:27pm	0	
6/15/2011	15:10:27pm	0	

6/15/2011 15:25:27pm	0
6/15/2011 15:40:27pm	0
6/15/2011 15:55:27pm	0
6/15/2011 16:10:27pm	0
6/15/2011 16:25:27pm	0
6/15/2011 16:40:27pm	0
6/15/2011 16:55:27pm	0
6/15/2011 17:10:27pm	0

Test Name Down Wind PID
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/15/2011 6:45:33AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/15/2011	7:00:33am	0
6/15/2011	7:15:33am	0
6/15/2011	7:30:33am	0
6/15/2011	7:45:33am	0
6/15/2011	8:00:33am	0
6/15/2011	8:15:33am	0
6/15/2011	8:30:33am	0
6/15/2011	8:45:33am	0
6/15/2011	9:00:33am	0
6/15/2011	9:15:33am	0
6/15/2011	9:30:33am	0
6/15/2011	9:45:33am	0
6/15/2011	10:00:33am	0
6/15/2011	10:15:33am	0
6/15/2011	10:30:33am	0
6/15/2011	10:45:33am	0
6/15/2011	11:00:33am	0
6/15/2011	11:15:33am	0
6/15/2011	11:30:33am	0
6/15/2011	11:45:33am	0
6/15/2011	12:00:33pm	0
6/15/2011	12:15:33pm	0
6/15/2011	12:30:33pm	0
6/15/2011	12:45:33pm	0
6/15/2011	13:00:33pm	0
6/15/2011	13:15:33pm	0
6/15/2011	13:30:33pm	0
6/15/2011	13:45:33pm	0
6/15/2011	14:00:33pm	0
6/15/2011	14:15:33pm	0
6/15/2011	14:30:33pm	0
6/15/2011	14:45:33pm	0
6/15/2011	15:00:33pm	0
6/15/2011	15:15:33pm	0

6/15/2011 15:30:33pm	0
6/15/2011 15:45:33pm	0
6/15/2011 16:00:33pm	0
6/15/2011 16:15:33pm	0
6/15/2011 16:30:33pm	0
6/15/2011 16:45:33pm	0
6/15/2011 17:00:33pm	0
6/15/2011 17:15:33pm	0

Test Name	Upwind (Background)		
Location	JB Wise Construction Project Watertown, NY		
Site ID	MGP Site V004736		
File number	0		
Application	0		
Zone number	0		
Battery	5.5		
Start time	6/16/2011 7:01:13AM		
Time	Channel 1		
	PID		
Gas	Isobutylene		
Units	ppm		
Date	Time	PID	
6/16/2011	7:16:13am		0
6/16/2011	7:31:13am		0
6/16/2011	7:46:13am		0
6/16/2011	8:01:13am		0
6/16/2011	8:16:13am		0
6/16/2011	8:31:13am		0
6/16/2011	8:46:13am		0
6/16/2011	9:01:13am		0
6/16/2011	9:16:13am		0
6/16/2011	9:31:13am		0
6/16/2011	9:46:13am		0
6/16/2011	10:01:13am		0
6/16/2011	10:16:13am		0
6/16/2011	10:31:13am		0
6/16/2011	10:46:13am		0
6/16/2011	11:01:13am		0
6/16/2011	11:16:13am		0
6/16/2011	11:31:13am		0
6/16/2011	11:46:13am		0
6/16/2011	12:01:13pm		0
6/16/2011	12:16:13pm		0
6/16/2011	12:31:13pm		0
6/16/2011	12:46:13pm		0
6/16/2011	13:01:13pm		0
6/16/2011	13:16:13pm		0
6/16/2011	13:31:13pm		0
6/16/2011	13:46:13pm		0
6/16/2011	14:01:13pm		0
6/16/2011	14:16:13pm		0
6/16/2011	14:31:13pm		0
6/16/2011	14:46:13pm		0
6/16/2011	15:01:13pm		0
6/16/2011	15:16:13pm		0

6/16/2011

6/16/2011

Test Name Down Wind PID
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/16/2011 6:42:21AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/16/2011	6:57:21am	0
6/16/2011	7:12:21am	0
6/16/2011	7:27:21am	0
6/16/2011	7:42:21am	0
6/16/2011	7:57:21am	0
6/16/2011	8:12:21am	0
6/16/2011	8:27:21am	0
6/16/2011	8:42:21am	0
6/16/2011	8:57:21am	0
6/16/2011	9:12:21am	0
6/16/2011	9:27:21am	0
6/16/2011	9:42:21am	0
6/16/2011	9:57:21am	0
6/16/2011	10:12:21am	0
6/16/2011	10:27:21am	0
6/16/2011	10:42:21am	0
6/16/2011	10:57:21am	0
6/16/2011	11:12:21am	0
6/16/2011	11:27:21am	0
6/16/2011	11:42:21am	0
6/16/2011	11:57:21am	0
6/16/2011	12:12:21pm	0
6/16/2011	12:27:21pm	0
6/16/2011	12:42:21pm	0
6/16/2011	12:57:21pm	0
6/16/2011	13:12:21pm	0
6/16/2011	13:27:21pm	0
6/16/2011	13:42:21pm	0
6/16/2011	13:57:21pm	0
6/16/2011	14:12:21pm	0
6/16/2011	14:27:21pm	0
6/16/2011	14:42:21pm	0
6/16/2011	14:57:21pm	0
6/16/2011	15:12:21pm	0

Test Name Upwind (Background)
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/17/2011 6:44:24AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/17/2011	6:59:24am	0
6/17/2011	7:14:24am	0
6/17/2011	7:29:24am	0
6/17/2011	7:44:24am	0
6/17/2011	7:59:24am	0
6/17/2011	8:14:24am	0
6/17/2011	8:29:24am	0
6/17/2011	8:44:24am	0
6/17/2011	8:59:24am	0
6/17/2011	9:14:24am	0
6/17/2011	9:29:24am	0
6/17/2011	9:44:24am	0
6/17/2011	9:59:24am	0
6/17/2011	10:14:24am	0
6/17/2011	10:29:24am	0
6/17/2011	10:44:24am	0
6/17/2011	10:59:24am	0
6/17/2011	11:14:24am	0
6/17/2011	11:29:24am	0
6/17/2011	11:44:24am	0
6/17/2011	11:59:24am	0
6/17/2011	12:14:24pm	0
6/17/2011	12:29:24pm	0
6/17/2011	12:44:24pm	0
6/17/2011	12:59:24pm	0
6/17/2011	12:14:24pm	0
6/17/2011	12:29:24pm	0
6/17/2011	12:44:24pm	0
6/17/2011	12:59:24pm	0
6/17/2011	13:14:24pm	0

Test Name Down Wind PID
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/17/2011 6:39:07AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/17/2011	6:54:07am	0
6/17/2011	7:09:07am	0
6/17/2011	7:24:07am	0
6/17/2011	7:39:07am	0
6/17/2011	7:54:07am	0
6/17/2011	8:09:07am	0
6/17/2011	8:24:07am	0
6/17/2011	8:39:07am	0
6/17/2011	8:54:07am	0
6/17/2011	9:09:07am	0
6/17/2011	9:24:07am	0
6/17/2011	9:39:07am	0
6/17/2011	9:54:07am	0
6/17/2011	10:09:07am	0
6/17/2011	10:24:07am	0
6/17/2011	10:39:07am	0
6/17/2011	10:54:07am	0
6/17/2011	11:09:07am	0
6/17/2011	11:24:07am	0
6/17/2011	11:39:07am	0
6/17/2011	11:54:07am	0
6/17/2011	12:09:07am	0
6/17/2011	12:24:07am	0
6/17/2011	12:39:07am	0
6/17/2011	12:54:07am	0
6/17/2011	13:09:07am	0

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/13/11
Meter S/N	23445		Start Time	06:35:53
Test Name	UP- Wind Air (Backround)		Stop Date	6/13/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	17:20:53
Site ID	MGP Site V004736		Total Time	0:10:45:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	6/13/11	06:50:53	0.010	
2	6/13/11	07:05:53	0.009	
3	6/13/11	07:20:53	0.009	
4	6/13/11	07:35:53	0.010	
5	6/13/11	07:50:53	0.011	
6	6/13/11	08:05:53	0.010	
7	6/13/11	08:20:53	0.010	
8	6/13/11	08:35:53	0.013	
9	6/13/11	08:50:53	0.013	
10	6/13/11	09:05:53	0.013	
11	6/13/11	09:20:53	0.014	
12	6/13/11	09:35:53	0.016	
13	6/13/11	09:50:53	0.016	
14	6/13/11	10:05:53	0.014	
15	6/13/11	10:20:53	0.016	
16	6/13/11	10:35:53	0.015	
17	6/13/11	10:50:53	0.013	
18	6/13/11	11:05:53	0.015	
19	6/13/11	11:20:53	0.014	
20	6/13/11	11:35:53	0.016	
21	6/13/11	11:50:53	0.019	
22	6/13/11	12:05:53	0.030	
23	6/13/11	12:20:53	0.018	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/13/11	12:35:53	0.014
25	6/13/11	12:50:53	0.012
26	6/13/11	13:05:53	0.014
27	6/13/11	13:20:53	0.008
28	6/13/11	13:35:53	0.008
29	6/13/11	13:50:53	0.011
30	6/13/11	14:05:53	0.008
31	6/13/11	14:20:53	0.008
32	6/13/11	14:35:53	0.012
33	6/13/11	14:50:53	0.010
34	6/13/11	15:05:53	0.009
35	6/13/11	15:20:53	0.010
36	6/13/11	15:35:53	0.011
37	6/13/11	15:50:53	0.009
38	6/13/11	16:05:53	0.012
39	6/13/11	16:20:53	0.009
40	6/13/11	16:35:53	0.015
41	6/13/11	16:50:53	0.017
42	6/13/11	17:05:53	0.012
43	6/13/11	17:20:53	0.021

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/13/11
Meter S/N	85203025	Start Time	06:45:08
Test	Down Wind Air	Stop Date	6/13/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	17:15:08
Site ID	MGP Site V004736	Total Time	0:10:30:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/13/11	07:00:08	0.011
2	6/13/11	07:15:08	0.013
3	6/13/11	07:30:08	0.011
4	6/13/11	07:45:08	0.008
5	6/13/11	08:00:08	0.009
6	6/13/11	08:15:08	0.011
7	6/13/11	08:30:08	0.019
8	6/13/11	08:45:08	0.016
9	6/13/11	09:00:08	0.012
10	6/13/11	09:15:08	0.020
11	6/13/11	09:30:08	0.024
12	6/13/11	09:45:08	0.017
13	6/13/11	10:00:08	0.018
14	6/13/11	10:15:08	0.024
15	6/13/11	10:30:08	0.016
16	6/13/11	10:45:08	0.017
17	6/13/11	11:00:08	0.017
18	6/13/11	11:15:08	0.015
19	6/13/11	11:30:08	0.016
20	6/13/11	11:45:08	0.018
21	6/13/11	12:00:08	0.023
22	6/13/11	12:15:08	0.019
23	6/13/11	12:30:08	0.015

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/13/11	12:45:08	0.016
25	6/13/11	13:00:08	0.013
26	6/13/11	13:15:08	0.013
27	6/13/11	13:30:08	0.019
28	6/13/11	13:45:08	0.026
29	6/13/11	14:00:08	0.019
30	6/13/11	14:15:08	0.022
31	6/13/11	14:30:08	0.016
32	6/13/11	14:45:08	0.013
33	6/13/11	15:00:08	0.013
34	6/13/11	15:15:08	0.011
35	6/13/11	15:30:08	0.015
36	6/13/11	15:45:08	0.012
37	6/13/11	16:00:08	0.012
38	6/13/11	16:15:08	0.014
39	6/13/11	16:30:08	0.012
40	6/13/11	16:45:08	0.012
41	6/13/11	17:00:08	0.012
42	6/13/11	17:15:08	0.009

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/14/11
Meter S/N	85203025	Start Time	06:40:33
Test Name	UP- Wind Air (Backround)	Stop Date	6/14/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	15:25:33
Site ID	MGP Site V004736	Total Time	0:08:45:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/14/11	06:55:33	0.022
2	6/14/11	07:10:33	0.019
3	6/14/11	07:25:33	0.011
4	6/14/11	07:40:33	0.008
5	6/14/11	07:55:33	0.010
6	6/14/11	08:10:33	0.018
7	6/14/11	08:25:33	0.016
8	6/14/11	08:40:33	0.026
9	6/14/11	08:55:33	0.015
10	6/14/11	09:10:33	0.015
11	6/14/11	09:25:33	0.015
12	6/14/11	09:40:33	0.012
13	6/14/11	09:55:33	0.013
14	6/14/11	10:10:33	0.013
15	6/14/11	10:25:33	0.018
16	6/14/11	10:40:33	0.012
17	6/14/11	10:55:33	0.011
18	6/14/11	11:10:33	0.010
19	6/14/11	11:25:33	0.007
20	6/14/11	11:40:33	0.008
21	6/14/11	11:55:33	0.010
22	6/14/11	12:10:33	0.011
23	6/14/11	12:25:33	0.009

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/14/11	12:40:33	0.012
25	6/14/11	12:55:33	0.014
26	6/14/11	13:10:33	0.021
27	6/14/11	13:25:33	0.018
28	6/14/11	13:40:33	0.017
29	6/14/11	13:55:33	0.021
30	6/14/11	14:10:33	0.022
31	6/14/11	14:25:33	0.016
32	6/14/11	14:40:33	0.013
33	6/14/11	14:55:33	0.012
34	6/14/11	15:10:33	0.012
35	6/14/11	15:25:33	0.011

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/14/11
Meter S/N	23445	Start Time	06:33:01
Test	Down Wind Air	Stop Date	6/14/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	15:18:01
Site ID	MGP Site V004736	Total Time	0:08:45:00
		Logging Interval	900 seconds
Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/14/11	06:48:01	0.056
2	6/14/11	07:03:01	0.038
3	6/14/11	07:18:01	0.026
4	6/14/11	07:33:01	0.026
5	6/14/11	07:48:01	0.027
6	6/14/11	08:03:01	0.049
7	6/14/11	08:18:01	0.032
8	6/14/11	08:33:01	0.039
9	6/14/11	08:48:01	0.055
10	6/14/11	09:03:01	0.032
11	6/14/11	09:18:01	0.020
12	6/14/11	09:33:01	0.071
13	6/14/11	09:48:01	0.040
14	6/14/11	10:03:01	0.041
15	6/14/11	10:18:01	0.045
16	6/14/11	10:33:01	0.048
17	6/14/11	10:48:01	0.046
18	6/14/11	11:03:01	0.036
19	6/14/11	11:18:01	0.038
20	6/14/11	11:33:01	0.024
21	6/14/11	11:48:01	0.037
22	6/14/11	12:03:01	0.027
23	6/14/11	12:18:01	0.024

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/14/11	12:33:01	0.013
25	6/14/11	12:48:01	0.027
26	6/14/11	13:03:01	0.028
27	6/14/11	13:18:01	0.022
28	6/14/11	13:33:01	0.034
29	6/14/11	13:48:01	0.029
30	6/14/11	14:03:01	0.039
31	6/14/11	14:18:01	0.037
32	6/14/11	14:33:01	0.026
33	6/14/11	14:48:01	0.033
34	6/14/11	15:03:01	0.024
35	6/14/11	15:18:01	0.015

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/15/11
Meter S/N	23445	Start Time	06:40:13
Test Name	UP- Wind Air (Background)	Stop Date	6/15/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	17:05:52
Site ID	MGP Site V004736	Total Time	10:25:39
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/15/11	06:55:13	0.016
2	6/15/11	7:10:13	0.018
3	6/15/11	07:25:13	0.019
4	6/15/11	07:40:13	0.020
5	6/15/11	07:55:13	0.026
6	6/15/11	08:10:13	0.022
7	6/15/11	08:25:13	0.021
8	6/15/11	08:40:13	0.027
9	6/15/11	08:55:13	0.028
10	6/15/11	09:10:13	0.019
11	6/15/11	09:25:13	0.021
12	6/15/11	09:40:13	0.025
13	6/15/11	09:55:13	0.019
14	6/15/11	10:10:13	0.020
15	6/15/11	10:25:13	0.021
16	6/15/11	10:40:13	0.023
	6/15/11	Dust Tract down	Changed filters
1	6/15/11	11:20:52	0.044
2	6/15/11	11:35:52	0.032
3	6/15/11	11:50:52	0.031
4	6/15/11	12:05:52	0.034
5	6/15/11	12:20:52	0.026
6	6/15/11	12:35:52	0.028
7	6/15/11	12:50:52	0.026

Test Data			
Sample	Date	Time	Aerosol mg/m^3
8	6/15/11	13:05:52	0.027
9	6/15/11	13:20:52	0.033
10	6/15/11	13:35:52	0.028
11	6/15/11	13:50:52	0.036
12	6/15/11	14:05:52	0.031
13	6/15/11	14:20:52	0.035
14	6/15/11	14:35:52	0.035
15	6/15/11	14:50:52	0.034
16	6/15/11	15:05:52	0.043
17	6/15/11	15:20:52	0.040
18	6/15/11	15:35:52	0.037
19	6/15/11	15:50:52	0.040
20	6/15/11	16:05:52	0.041
21	6/15/11	16:20:52	0.040
22	6/15/11	16:35:52	0.044
23	6/15/11	16:50:52	0.040
24	6/15/11	17:05:52	0.039

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/15/11
Meter S/N	85203025	Start Time	06:45:11
Test	Down Wind Air	Stop Date	6/15/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	17:15:11
Site ID	MGP Site V004736	Total Time	0:10:30:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/15/11	07:00:11	0.014
2	6/15/11	07:15:11	0.013
3	6/15/11	07:30:11	0.014
4	6/15/11	07:45:11	0.026
5	6/15/11	08:00:11	0.017
6	6/15/11	08:15:11	0.021
7	6/15/11	08:30:11	0.027
8	6/15/11	08:45:11	0.028
9	6/15/11	09:00:11	0.019
10	6/15/11	09:15:11	0.021
11	6/15/11	09:30:11	0.025
12	6/15/11	09:45:11	0.019
13	6/15/11	10:00:11	0.020
14	6/15/11	10:15:11	0.021
15	6/15/11	10:30:11	0.023
16	6/15/11	10:45:11	0.025
17	6/15/11	11:00:11	0.026
18	6/15/11	11:15:11	0.029
19	6/15/11	11:30:11	0.029
20	6/15/11	11:45:11	0.030
21	6/15/11	12:00:11	0.027
22	6/15/11	12:15:11	0.022
23	6/15/11	12:30:11	0.024

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/15/11	12:45:11	0.026
25	6/15/11	13:00:11	0.028
26	6/15/11	13:15:11	0.031
27	6/15/11	13:30:11	0.030
28	6/15/11	13:45:11	0.030
29	6/15/11	14:00:11	0.032
30	6/15/11	14:15:11	0.032
31	6/15/11	14:30:11	0.034
32	6/15/11	14:45:11	0.037
33	6/15/11	15:00:11	0.037
34	6/15/11	15:15:11	0.038
35	6/15/11	15:30:11	0.042
36	6/15/11	15:45:11	0.039
37	6/15/11	16:00:11	0.048
38	6/15/11	16:15:11	0.037
39	6/15/11	16:30:11	0.037
40	6/15/11	16:45:11	0.036
41	6/15/11	17:00:11	0.037
42	6/15/11	17:15:11	0.037

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/16/11
Meter S/N	23445		Start Time	07:01:53
Test Name	UP- Wind Air (Backround)		Stop Date	6/16/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	15:16:53
Site ID	MGP Site V004736		Total Time	0:08:15:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	6/16/11	07:16:53	0.041	
2	6/16/11	07:31:53	0.040	
3	6/16/11	07:46:53	0.038	
4	6/16/11	08:01:53	0.038	
5	6/16/11	08:16:53	0.054	
6	6/16/11	08:31:53	0.057	
7	6/16/11	08:46:53	0.054	
8	6/16/11	09:01:53	0.037	
9	6/16/11	09:16:53	0.038	
10	6/16/11	09:31:53	0.041	
11	6/16/11	09:46:53	0.037	
12	6/16/11	10:01:53	0.054	
13	6/16/11	10:16:53	0.038	
14	6/16/11	10:31:53	0.039	
15	6/16/11	10:46:53	0.046	
16	6/16/11	11:01:53	0.042	
17	6/16/11	11:16:53	0.040	
18	6/16/11	11:31:53	0.041	
19	6/16/11	11:46:53	0.041	
20	6/16/11	12:01:53	0.041	
21	6/16/11	12:16:53	0.044	
22	6/16/11	12:31:53	0.040	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
23	6/16/11	12:46:53	0.042
24	6/16/11	13:01:53	0.040
25	6/16/11	13:16:53	0.045
26	6/16/11	13:31:53	0.039
27	6/16/11	13:46:53	0.040
28	6/16/11	14:01:53	0.041
29	6/16/11	14:16:53	0.042
30	6/16/11	14:31:53	0.043
31	6/16/11	14:46:53	0.046
32	6/16/11	15:01:53	0.049
33	6/16/11	15:16:53	0.056

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/16/11
Meter S/N	85203025		Start Time	06:42:35
Test	Down Wind Air		Stop Date	6/16/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	15:12:35
Site ID	MGP Site V004736		Total Time	0:08:30:00
			Logging Interval	900 seconds
Test Data				
Sample		Date	Time	Aerosol mg/m^3
1		6/16/11	06:57:35	0.033
2		6/16/11	07:12:35	0.043
3		6/16/11	07:27:35	0.034
4		6/16/11	07:42:35	0.039
5		6/16/11	07:57:35	0.041
6		6/16/11	08:12:35	0.042
7		6/16/11	08:27:35	0.042
8		6/16/11	08:42:35	0.036
9		6/16/11	08:57:35	0.032
10		6/16/11	09:12:35	0.044
11		6/16/11	09:27:35	0.033
12		6/16/11	09:42:35	0.034
13		6/16/11	09:57:35	0.036
14		6/16/11	10:12:35	0.036
15		6/16/11	10:27:35	0.037
16		6/16/11	10:42:35	0.038
17		6/16/11	10:57:35	0.038
18		6/16/11	11:12:35	0.039
19		6/16/11	11:27:35	0.038
20		6/16/11	11:42:35	0.040
21		6/16/11	11:57:35	0.040
22		6/16/11	12:12:35	0.041
23		6/16/11	12:27:35	0.041

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/16/11	12:42:35	0.041
25	6/16/11	12:57:35	0.042
26	6/16/11	13:12:35	0.039
27	6/16/11	13:27:35	0.040
28	6/16/11	13:42:35	0.042
29	6/16/11	13:57:35	0.040
30	6/16/11	14:12:35	0.041
31	6/16/11	14:27:35	0.044
32	6/16/11	14:42:35	0.042
33	6/16/11	14:57:35	0.040
34	6/16/11	15:12:35	0.040

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/17/11
Meter S/N	85203025		Start Time	06:44:00
Test Name	UP- Wind Air (Backround)		Stop Date	6/17/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	13:14:00
Site ID	MGP Site V004736		Total Time	0:06:30:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	6/17/11	06:59:00	0.048	
2	6/17/11	07:14:00	0.043	
3	6/17/11	07:29:00	0.035	
4	6/17/11	07:44:00	0.037	
5	6/17/11	07:59:00	0.037	
6	6/17/11	08:14:00	0.035	
7	6/17/11	08:29:00	0.035	
8	6/17/11	08:44:00	0.036	
9	6/17/11	08:59:00	0.035	
10	6/17/11	09:14:00	0.037	
11	6/17/11	09:29:00	0.037	
12	6/17/11	09:44:00	0.038	
13	6/17/11	09:59:00	0.038	
14	6/17/11	10:14:00	0.038	
15	6/17/11	10:29:00	0.039	
16	6/17/11	10:44:00	0.040	
17	6/17/11	10:59:00	0.044	
18	6/17/11	11:14:00	0.048	
19	6/17/11	11:29:00	0.049	
20	6/17/11	11:44:00	0.051	
21	6/17/11	11:59:00	0.051	
22	6/17/11	12:14:00	0.049	
23	6/17/11	12:29:00	0.045	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/17/11	12:44:00	0.049
25	6/17/11	12:59:00	0.049
26	6/17/11	13:14:00	0.051

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/17/11
Meter S/N	23445		Start Time	06:39:56
Test	Down Wind Air		Stop Date	6/17/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	13:09:56
Site ID	MGP Site V004736		Total Time	0:06:30:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	6/17/11	06:54:56	0.046	
2	6/17/11	07:09:56	0.048	
3	6/17/11	07:24:56	0.048	
4	6/17/11	07:39:56	0.046	
5	6/17/11	07:54:56	0.047	
6	6/17/11	08:09:56	0.054	
7	6/17/11	08:24:56	0.054	
8	6/17/11	08:39:56	0.046	
9	6/17/11	08:54:56	0.042	
10	6/17/11	09:09:56	0.046	
11	6/17/11	09:24:56	0.041	
12	6/17/11	09:39:56	0.051	
13	6/17/11	09:54:56	0.044	
14	6/17/11	10:09:56	0.043	
15	6/17/11	10:24:56	0.044	
16	6/17/11	10:39:56	0.056	
17	6/17/11	10:54:56	0.050	
18	6/17/11	11:09:56	0.054	
19	6/17/11	11:24:56	0.055	
20	6/17/11	11:39:56	0.058	
21		11:54:56	0.061	
22		12:09:56	0.060	
23		12:24:56	0.057	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/17/11	12:39:56	0.059
25	6/17/11	12:54:56	0.059
26	6/17/11	13:09:56	0.061

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/20/11
Meter S/N	23445	Start Time	06:41:48
Test Name	UP- Wind Air (Backround)	Stop Date	6/20/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	15:26:48
Site ID	MGP Site V004736	Total Time	08:45:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/20/11	06:56:48	0.022
2	6/20/11	07:11:48	0.019
3	6/20/11	07:26:48	0.021
4	6/20/11	07:41:48	0.021
5	6/20/11	07:56:48	0.022
6	6/20/11	08:11:48	0.017
7	6/20/11	08:26:48	0.019
8	6/20/11	08:41:48	0.018
9	6/20/11	08:56:48	0.024
10	6/20/11	09:11:48	0.024
11	6/20/11	09:26:48	0.025
12	6/20/11	09:41:48	0.023
13	6/20/11	09:56:48	0.026
14	6/20/11	10:11:48	0.025
15	6/20/11	10:26:48	0.023
16	6/20/11	10:41:48	0.023
17	6/20/11	10:56:48	0.027
18	6/20/11	11:11:48	0.025
19	6/20/11	11:26:48	0.019
20	6/20/11	11:41:48	0.015
21	6/20/11	11:56:48	0.022
22	6/20/11	12:11:48	0.020
23	6/20/11	12:26:48	0.024

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/20/11	12:41:48	0.027
25	6/20/11	12:56:48	0.023
26	6/20/11	13:11:48	0.025
27	6/20/11	13:26:48	0.025
28	6/20/11	13:41:48	0.021
29	6/20/11	13:56:48	0.022
30	6/20/11	14:11:48	0.022
31	6/20/11	14:26:48	0.025
32	6/20/11	14:41:48	0.024
33	6/20/11	14:56:48	0.024
34	6/20/11	15:11:48	0.026
35	6/20/11	15:26:48	0.022

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/20/11
Meter S/N	85203025		Start Time	06:42:06
Test	Down Wind Air		Stop Date	6/20/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	15:27:06
Site ID	MGP Site V004736		Total Time	0:08:35:00
			Logging Interval	900 seconds
Test Data				
Sample		Date	Time	Aerosol mg/m^3
1		6/20/11	06:57:06	0.017
2		6/20/11	07:12:06	0.015
3		6/20/11	07:27:06	0.028
4		6/20/11	07:42:06	0.030
5		6/20/11	07:57:06	0.015
6		6/20/11	08:12:06	0.015
7		6/20/11	08:27:06	0.012
8		6/20/11	08:42:06	0.016
9		6/20/11	08:57:06	0.016
10		6/20/11	09:12:06	0.019
11		6/20/11	09:27:06	0.018
12		6/20/11	09:42:06	0.025
13		6/20/11	09:57:06	0.023
14		6/20/11	10:12:06	0.022
15		6/20/11	10:27:06	0.022
16		6/20/11	10:42:06	0.023
17		6/20/11	10:57:06	0.019
18		6/20/11	11:12:06	0.018
19		6/20/11	11:27:06	0.018
20		6/20/11	11:42:06	0.021
21		6/20/11	11:57:06	0.022
22		6/20/11	12:12:06	0.019
23		6/20/11	12:27:06	0.020
24		6/20/11	12:42:06	0.023

Test Data			
Sample	Date	Time	Aerosol mg/m ³
25	6/20/11	12:57:06	0.021
26	6/20/11	13:12:06	0.019
27	6/20/11	13:27:06	0.022
28	6/20/11	13:42:06	0.022
29	6/20/11	13:57:06	0.019
30	6/20/11	14:12:06	0.022
31	6/20/11	14:27:06	0.022
32	6/20/11	14:42:06	0.026
33	6/20/11	14:57:06	0.025
34	6/20/11	15:12:06	0.024
35	6/20/11	15:27:06	0.024

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/21/11
Meter S/N	23445		Start Time	06:49:44
Test Name	UP- Wind Air (Background)		Stop Date	6/21/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	15:34:44
Site ID	MGP Site V004736		Total Time	0:08:45:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	6/21/11	07:04:44	0.070	
2	6/21/11	07:19:44	0.082	
3	6/21/11	07:34:44	0.070	
4	6/21/11	07:49:44	0.069	
5	6/21/11	08:04:44	0.072	
6	6/21/11	08:19:44	0.068	
7	6/21/11	08:34:44	0.068	
8	6/21/11	08:49:44	0.070	
9	6/21/11	09:04:44	0.072	
10	6/21/11	09:19:44	0.068	
11	6/21/11	09:34:44	0.069	
12	6/21/11	09:49:44	0.069	
13	6/21/11	10:04:44	0.070	
14	6/21/11	10:19:44	0.066	
15	6/21/11	10:34:44	0.070	
16	6/21/11	10:49:44	0.066	
17	6/21/11	11:04:44	0.082	
18	6/21/11	11:19:44	0.086	
19	6/21/11	11:34:44	0.066	
20	6/21/11	11:49:44	0.066	
21	6/21/11	12:04:44	0.069	
22	6/21/11	12:19:44	0.065	
23	6/21/11	12:34:44	0.066	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/21/11	12:49:44	0.069
25	6/21/11	13:04:44	0.070
26	6/21/11	13:19:44	0.069
27	6/21/11	13:34:44	0.062
28	6/21/11	13:49:44	0.063
29	6/21/11	14:04:44	0.063
30	6/21/11	14:19:44	0.062
31	6/21/11	14:34:44	0.068
32	6/21/11	14:49:44	0.063
33	6/21/11	15:04:44	0.064
34	6/21/11	15:19:44	0.064
35	6/21/11	15:34:44	0.064

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/21/11
Meter S/N	85203025		Start Time	06:43:18
Test Name	Down Wind Air		Stop Date	6/21/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	15:28:18
Site ID	MGP Site V004736		Total Time	0:08:45:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	6/21/11	06:58:18	0.017	
2	6/21/11	07:13:18	0.034	
3	6/21/11	07:28:18	0.030	
4	6/21/11	07:43:18	0.030	
5	6/21/11	07:58:18	0.023	
6	6/21/11	08:13:18	0.021	
7	6/21/11	08:28:18	0.024	
8	6/21/11	08:43:18	0.025	
9	6/21/11	08:58:18	0.024	
10	6/21/11	09:13:18	0.019	
11	6/21/11	09:28:18	0.032	
12	6/21/11	09:43:18	0.029	
13	6/21/11	09:58:18	0.020	
14	6/21/11	10:13:18	0.020	
15	6/21/11	10:28:18	0.021	
16	6/21/11	10:43:18	0.026	
17	6/21/11	10:58:18	0.042	
18	6/21/11	11:13:18	0.028	
19	6/21/11	11:28:18	0.088	
20	6/21/11	11:43:18	0.036	
21	6/21/11	11:58:18	0.020	
22	6/21/11	12:13:18	0.019	
23	6/21/11	12:28:18	0.018	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/21/11	12:43:18	0.018
25	6/21/11	12:58:18	0.021
26	6/21/11	13:13:18	0.029
27	6/21/11	13:28:18	0.023
28	6/21/11	13:43:18	0.040
29	6/21/11	13:58:18	0.023
30	6/21/11	14:13:18	0.022
31	6/21/11	14:28:18	0.022
32	6/21/11	14:43:18	0.022
33	6/21/11	14:58:18	0.024
34	6/21/11	15:13:18	0.023
35	6/21/11	15:28:18	0.028

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/22/11
Meter S/N	85203025		Start Time	06:51:20
Test Name	UP- Wind Air (Background)		Stop Date	6/22/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	14:36:20
Site ID	MGP Site V004736		Total Time	0:07:45:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	6/22/11	07:06:20	0.030	
2	6/22/11	07:21:20	0.027	
3	6/22/11	07:36:20	0.026	
4	6/22/11	07:51:20	0.023	
5	6/22/11	08:06:20	0.022	
6	6/22/11	08:21:20	0.020	
7	6/22/11	08:36:20	0.019	
8	6/22/11	08:51:20	0.020	
9	6/22/11	09:06:20	0.020	
10	6/22/11	09:21:20	0.021	
11	6/22/11	09:36:20	0.022	
12	6/22/11	09:51:20	0.021	
13	6/22/11	10:06:20	0.021	
14	6/22/11	10:21:20	0.024	
15	6/22/11	10:36:20	0.024	
16	6/22/11	10:51:20	0.023	
17	6/22/11	11:06:20	0.024	
18	6/22/11	11:21:20	0.026	
19	6/22/11	11:36:20	0.028	
20	6/22/11	11:51:20	0.027	
21	6/22/11	12:06:20	0.030	
22	6/22/11	12:21:20	0.029	
23	6/22/11	12:36:20	0.028	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/22/11	12:51:20	0.029
25	6/22/11	13:06:20	0.030
26	6/22/11	13:21:20	0.031
27	6/22/11	13:36:20	0.030
28	6/22/11	13:51:20	0.030
29	6/22/11	14:06:20	0.028
30	6/22/11	14:21:20	0.024
31	6/22/11	14:36:20	0.025

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/22/11
Meter S/N	23445		Start Time	06:54:23
Test Name	Down Wind Air		Stop Date	6/22/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	14:36:20
Site ID	MGP Site V004736		Total Time	0:07:42:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	6/22/11	07:10:23	0.036	
2	6/22/11	07:25:23	0.034	
3	6/22/11	07:40:23	0.033	
4	6/22/11	07:55:23	0.032	
5	6/22/11	08:10:23	0.033	
6	6/22/11	08:25:23	0.034	
7	6/22/11	08:40:23	0.025	
8	6/22/11	08:55:23	0.026	
9	6/22/11	09:10:23	0.025	
10	6/22/11	09:25:23	0.023	
11	6/22/11	09:40:23	0.024	
12	6/22/11	09:55:23	0.022	
13	6/22/11	10:10:23	0.023	
14	6/22/11	10:25:23	0.025	
15	6/22/11	10:40:23	0.025	
16	6/22/11	10:55:23	0.022	
17	6/22/11	11:10:23	0.023	
18	6/22/11	11:25:23	0.023	
19	6/22/11	11:40:23	0.025	
20	6/22/11	11:55:23	0.026	
21	6/22/11	12:10:23	0.028	
22	6/22/11	12:25:23	0.027	
23	6/22/11	12:40:23	0.027	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/22/11	12:55:23	0.029
25	6/22/11	13:10:23	0.030
26	6/22/11	13:25:23	0.031
27	6/22/11	13:40:23	0.030
28	6/22/11	13:55:23	0.030
29	6/22/11	14:10:23	0.028
30	6/22/11	14:25:23	0.024
31	6/22/11	14:40:23	0.025

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/24/11
Meter S/N	23445	Start Time	07:22:22
Test Name	UP- Wind Air (Backround)	Stop Date	6/24/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	12:52:22
Site ID	MGP Site V004736	Total Time	0:05:32:00
		Logging Interval	900 seconds

Test Data			
Sample	Date	Time	Aerosol mg/m^3
1	6/24/11	07:37:22	0.021
2	6/24/11	07:52:22	0.019
3	6/24/11	08:07:22	0.025
4	6/24/11	08:22:22	0.028
5	6/24/11	08:37:22	0.026
6	6/24/11	08:52:22	0.025
7	6/24/11	09:07:22	0.021
8	6/24/11	09:22:22	0.021
9	6/24/11	09:37:22	0.024
10	6/24/11	09:52:22	0.022
11	6/24/11	10:07:22	0.022
12	6/24/11	10:22:22	0.023
13	6/24/11	10:37:22	0.023
14	6/24/11	10:52:22	0.025
15	6/24/11	11:07:22	0.023
16	6/24/11	11:22:22	0.024
17	6/24/11	11:37:22	0.024
18	6/24/11	11:52:22	0.022
19	6/24/11	12:07:22	0.023
20	6/24/11	12:22:22	0.022
21	6/24/11	12:37:22	0.023
22	6/24/11	12:52:22	0.026

Instrument		Data Properties	
Model	Dust Trak	Start Date	6/24/11
Meter S/N	85203025	Start Time	07:22:12
Test	Down Wind Air	Stop Date	6/24/11
Location	JB Wise Construction Project, Watertown, NY	Stop Time	13:07:12
Site ID	MGP Site V004736	Total Time	0:05:45:00
		Logging Interval	900 seconds
Test Data			
Sample	Date	Time	Aerosol mg/m ³
1	6/24/11	07:37:12	0.031
2	6/24/11	07:52:12	0.031
3	6/24/11	08:07:12	0.028
4	6/24/11	08:22:12	0.028
5	6/24/11	08:37:12	0.026
6	6/24/11	08:52:12	0.024
7	6/24/11	09:07:12	0.023
8	6/24/11	09:22:12	0.026
9	6/24/11	09:37:12	0.025
10	6/24/11	09:52:12	0.022
11	6/24/11	10:07:12	0.022
12	6/24/11	10:22:12	0.023
13	6/24/11	10:37:12	0.023
14	6/24/11	10:52:12	0.022
15	6/24/11	11:07:12	0.022
16	6/24/11	11:22:12	0.023
17	6/24/11	11:37:12	0.024
18	6/24/11	11:52:12	0.021
19	6/24/11	12:07:12	0.023
20	6/24/11	12:22:12	0.022
21	6/24/11	12:37:12	0.023
22	6/24/11	12:52:12	0.027
23	6/24/11	13:07:12	0.027

Test Name Upwind (Background)
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/20/2011 6:41:09AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/20/2011	6:56:08am	0
6/20/2011	7:11:09am	0
6/20/2011	7:26:09am	0
6/20/2011	7:41:09am	0
6/20/2011	7:56:09am	0
6/20/2011	8:11:09am	0
6/20/2011	8:26:09am	0
6/20/2011	8:41:09am	0
6/20/2011	8:56:09am	0
6/20/2011	9:11:09am	0
6/20/2011	9:26:09am	0
6/20/2011	9:41:09am	0
6/20/2011	9:56:09am	0
6/20/2011	10:11:09am	0
6/20/2011	10:26:09am	0
6/20/2011	10:41:09am	0
6/20/2011	10:56:09am	0
6/20/2011	11:11:09am	0
6/20/2011	11:26:09am	0
6/20/2011	11:41:09am	0
6/20/2011	11:56:09am	0
6/20/2011	12:11:09pm	0
6/20/2011	12:26:09pm	0
6/20/2011	12:41:09pm	0
6/20/2011	12:56:09pm	0
6/20/2011	13:11:09pm	0
6/20/2011	13:26:09pm	0
6/20/2011	13:41:09pm	0
6/20/2011	13:56:09pm	0
6/20/2011	14:11:09pm	0
6/20/2011	14:26:09pm	0
6/20/2011	14:41:09pm	0
6/20/2011	14:56:09pm	0
6/20/2011	15:11:09pm	0

6/20/2011 15:26:09pm

0

Test Name	Down Wind PID		
Location	JB Wise Construction Project Watertown, NY		
Site ID	MGP Site V004736		
File number	0		
Application	0		
Zone number	0		
Battery	5.5		
Start time	6/20/2011 6:42:40AM		
Time	Channel 1		
	PID		
Gas	Isobutylene		
Units	ppm		
Date	Time	PID	
6/20/2011	6:57:40am		0
6/20/2011	7:12:40am		0
6/20/2011	7:27:40am		0
6/20/2011	7:42:40am		0
6/20/2011	7:57:40am		0
6/20/2011	8:12:40am		0
6/20/2011	8:27:40am		0
6/20/2011	8:42:40am		0
6/20/2011	8:57:40am		0
6/20/2011	9:12:40am		0
6/20/2011	9:27:40am		0
6/20/2011	9:42:40am		0
6/20/2011	9:57:40am		0
6/20/2011	10:12:40am		0
6/20/2011	10:27:40am		0
6/20/2011	10:42:40am		0
6/20/2011	10:57:40am		0
6/20/2011	10:12:40am		0
6/20/2011	10:27:40am		0
6/20/2011	10:42:40am		0
6/20/2011	10:57:40am		0
6/20/2011	11:12:40am		0
6/20/2011	11:27:40am		0
6/20/2011	11:42:40am		0
6/20/2011	11:57:40am		0
6/20/2011	12:12:40pm		0
6/20/2011	12:27:40pm		0
6/20/2011	12:42:40pm		0
6/20/2011	12:57:40pm		0
6/20/2011	13:12:40pm		0
6/20/2011	13:27:40pm		0
6/20/2011	13:42:40pm		0
6/20/2011	13:57:40pm		0
6/20/2011	14:12:40pm		0

6/20/2011	14:27:40pm	0
6/20/2011	14:42:40pm	0
6/20/2011	14:57:40pm	0
6/20/2011	15:12:40pm	0
6/20/2011	15:27:40pm	0

Test Name Upwind (Background)
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/21/2011 6:49:03am

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/21/2011	7:04:03am	0
6/21/2011	7:19:03am	0
6/21/2011	7:34:03am	0
6/21/2011	7:49:03am	0
6/21/2011	8:04:03am	0
6/21/2011	8:19:03am	0
6/21/2011	8:34:03am	0
6/21/2011	8:19:03am	0
6/21/2011	8:34:03am	0
6/21/2011	8:49:03am	0
6/21/2011	9:04:03am	0
6/21/2011	9:19:03am	0
6/21/2011	9:34:03am	0
6/21/2011	9:49:03am	0
6/21/2011	10:04:03am	0
6/21/2011	10:19:03am	0
6/21/2011	10:34:03am	0
6/21/2011	10:49:03am	0
6/21/2011	11:04:03am	0
6/21/2011	11:19:03am	0
6/21/2011	11:34:03am	0
6/21/2011	11:49:03am	0
6/21/2011	12:04:03pm	0
6/21/2011	12:19:03pm	0
6/21/2011	12:34:03pm	0
6/21/2011	12:49:03pm	0
6/21/2011	13:04:05pm	0
6/21/2011	13:19:03pm	0
6/21/2011	13:34:03pm	0
6/21/2011	13:49:03pm	0
6/21/2011	14:04:03pm	0
6/21/2011	14:19:03pm	0
6/21/2011	14:34:03pm	0



6/21/2011 14:49:03pm	0
6/21/2011 15:04:03pm	0
6/21/2011 15:34:03pm	0

Test Name Down Wind PID
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/21/2011 6:43:50AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/21/2011	6:58:50am	0
6/21/2011	7:13:50am	0
6/21/2011	7:28:50am	0
6/21/2011	7:43:50am	0
6/21/2011	7:58:50am	0
6/21/2011	8:13:50am	0
6/21/2011	8:28:50am	0
6/21/2011	8:43:50am	0
6/21/2011	8:58:50am	0
6/21/2011	9:13:50am	0
6/21/2011	9:28:50am	0
6/21/2011	9:43:50am	0
6/21/2011	9:58:50am	0
6/21/2011	10:13:50am	0
6/21/2011	10:28:50am	0
6/21/2011	10:43:50am	0
6/21/2011	10:58:50am	0
6/21/2011	11:13:50am	0
6/21/2011	11:28:50am	0
6/21/2011	11:43:50am	0
6/21/2011	11:58:50am	0
6/21/2011	12:13:50pm	0
6/21/2011	12:28:50pm	0
6/21/2011	12:43:50pm	0
6/21/2011	12:58:50pm	0
6/21/2011	13:13:50pm	0
6/21/2011	13:28:50pm	0
6/21/2011	13:43:50pm	0
6/21/2011	13:58:50pm	0
6/21/2011	14:13:50pm	0
6/21/2011	14:28:50pm	0
6/21/2011	14:43:50pm	0
6/21/2011	14:58:50pm	0
6/21/2011	15:13:50pm	0

6/21/2011 15:28:50pm

0



Test Name Upwind (Background)
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/22/2011 6:51:27AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/22/2011	7:06:27am	0
6/22/2011	7:21:27am	0
6/22/2011	7:36:27am	0
6/22/2011	7:51:27am	0
6/22/2011	8:06:27am	0
6/22/2011	8:21:27am	0
6/22/2011	8:36:27am	0
6/22/2011	8:51:27am	0
6/22/2011	9:06:27am	0
6/22/2011	9:21:27am	0
6/22/2011	9:36:27am	0
6/22/2011	9:51:27am	0
6/22/2011	10:06:27am	0
6/22/2011	10:21:27am	0
6/22/2011	10:36:27am	0
6/22/2011	10:51:27am	0
6/22/2011	11:06:27am	0
6/22/2011	11:21:27am	0
6/22/2011	11:36:27am	0
6/22/2011	11:51:27am	0
6/22/2011	12:06:27pm	0
6/22/2011	12:21:27pm	0
6/22/2011	12:36:27pm	0
6/22/2011	12:51:27pm	0
6/22/2011	13:06:27pm	0
6/22/2011	13:21:27pm	0
6/22/2011	13:36:27pm	0
6/22/2011	13:51:27pm	0
6/22/2011	14:06:27pm	0
6/22/2011	14:21:27pm	0
6/22/2011	14:36:27pm	0

Test Name Down Wind PID
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/22/2011 6:54:09AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/22/2011	7:10:09am	0
6/22/2011	7:25:09am	0
6/22/2011	7:40:09am	0
6/22/2011	7:55:09am	0
6/22/2011	8:10:09am	0
6/22/2011	8:25:09am	0
6/22/2011	8:40:09am	0
6/22/2011	8:55:09am	0
6/22/2011	9:10:09am	0
6/22/2011	9:25:09am	0
6/22/2011	9:40:09am	0
6/22/2011	9:55:09am	0
6/22/2011	10:10:09am	0
6/22/2011	10:25:09am	0
6/22/2011	10:40:09am	0
6/22/2011	10:55:09am	0
6/22/2011	11:10:09am	0
6/22/2011	11:25:09am	0
6/22/2011	11:40:09am	0
6/22/2011	11:55:09am	0
6/22/2011	12:10:09pm	0
6/22/2011	12:25:09pm	0
6/22/2011	12:40:09pm	0
6/22/2011	12:55:09pm	0
6/22/2011	13:10:09pm	0
6/22/2011	13:25:09pm	0
6/22/2011	13:40:09pm	0
6/22/2011	13:55:09pm	0
6/22/2011	14:10:09pm	0
6/22/2011	14:25:09pm	0
6/22/2011	14:40:09pm	0

Test Name	Upwind (Background)		
Location	JB Wise Construction Project Watertown, NY		
Site ID	MGP Site V004736		
File number	0		
Application	0		
Zone number	0		
Battery	5.5		
Start time	6/24/2011 7:22:07AM		
Time	Channel 1		
	PID		
Gas	Isobutylene		
Units	ppm		
Date	Time	PID	
6/24/2011	7:37:07am		0
6/24/2011	7:52:07am		0
6/24/2011	8:07:07am		0
6/24/2011	8:22:07am		0
6/24/2011	8:37:07am		0
6/24/2011	8:52:07am		0
6/24/2011	9:07:07am		0
6/24/2011	9:22:07am		0
6/24/2011	9:37:07am		0
6/24/2011	9:52:07am		0
6/24/2011	10:07:07am		0
6/24/2011	10:22:07am		0
6/24/2011	10:37:07am		0
6/24/2011	10:52:07am		0
6/24/2011	11:07:07am		0
6/24/2011	11:22:07am		0
6/24/2011	11:37:07am		0
6/24/2011	11:52:07am		0
6/24/2011	12:07:07pm		0
6/24/2011	12:22:07pm		0
6/24/2011	12:37:07pm		0
6/24/2011	12:52:07pm		0

6/16/2011

6/16/2011

Test Name Down Wind PID
Location JB Wise Construction Project Watertown, NY
Site ID MGP Site V004736

File number 0
Application 0
Zone number 0
Battery 5.5

Start time 6/24/2011 7:22:31AM

Time Channel 1

PID

Gas Isobutylene

Units ppm

Date Time PID

6/24/2011	7:37:31am	0
6/24/2011	7:52:31am	0
6/24/2011	8:07:31am	0
6/24/2011	8:22:31am	0
6/24/2011	8:37:31am	0
6/24/2011	8:52:31am	0
6/24/2011	9:07:31am	0
6/24/2011	9:22:31am	0
6/24/2011	9:37:31am	0
6/24/2011	9:52:31am	0
6/24/2011	10:07:31am	0
6/24/2011	10:22:31am	0
6/24/2011	10:37:11am	0
6/24/2011	10:52:31am	0
6/24/2011	11:07:31am	0
6/24/2011	11:22:31am	0
6/24/2011	11:37:31am	0
6/24/2011	11:52:21am	0
6/24/2011	12:07:31pm	0
6/24/2011	12:22:31pm	0
6/24/2011	12:37:31pm	0
6/24/2011	12:52:31pm	0
6/24/2011	13:07:31pm	0

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/29/11
Meter S/N	23445		Start Time	06:58:06
Test Name	UP- Wind Air (Background)		Stop Date	6/29/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	14:13:06
Site ID	MGP Site V004736		Total Time	0:07:15:00
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	6/29/11	07:13:06	0.027	
2	6/29/11	07:28:06	0.024	
3	6/29/11	07:43:06	0.026	
4	6/29/11	07:58:06	0.026	
5	6/29/11	08:13:06	0.025	
6	6/29/11	08:28:06	0.027	
7	6/29/11	08:43:06	0.028	
8	6/29/11	08:58:06	0.022	
9	6/29/11	09:13:06	0.025	
10	6/29/11	09:28:06	0.029	
11	6/29/11	09:43:06	0.029	
12	6/29/11	09:58:06	0.028	
13	6/29/11	10:13:06	0.023	
14	6/29/11	10:28:06	0.024	
15	6/29/11	10:43:06	0.025	
16	6/29/11	10:58:06	0.023	
17	6/29/11	11:13:06	0.023	
18	6/29/11	11:28:06	0.027	
19	6/29/11	11:43:06	0.025	
20	6/29/11	11:58:06	0.026	
21	6/29/11	12:13:06	0.023	
22	6/29/11	12:28:06	0.027	
23	6/29/11	12:43:06	0.024	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/29/11	12:58:06	0.026
25	6/29/11	13:13:06	0.023
26	6/29/11	13:28:06	0.028
27	6/29/11	13:43:06	0.027
28	6/29/11	13:58:06	0.025
29	6/29/11	14:13:06	0.024

Instrument			Data Properties	
Model	Dust Trak		Start Date	6/29/11
Meter S/N	85203025		Start Time	06:45:37
Test	Down Wind Air		Stop Date	6/15/11
Location	JB Wise Construction Project, Watertown, NY		Stop Time	13:45:05
Site ID	MGP Site V004736		Total Time	06:15:28
			Logging Interval	900 seconds
Test Data				
Sample	Date	Time	Aerosol mg/m^3	
1	6/29/11	07:00:37	0.014	
2	6/29/11	07:15:37	0.013	
3	6/29/11	07:30:37	0.014	
4	6/29/11	07:45:37	0.026	
5	6/29/11	08:00:37	0.017	
6	6/29/11	08:15:37	0.021	
7	6/29/11	08:30:37	0.027	
8	6/29/11	08:45:37	0.028	
9	6/29/11	09:00:37	0.019	
10	6/29/11	09:15:37	0.021	
11	6/29/11	09:30:37	0.025	
12	6/29/11	09:45:37	0.019	
13	6/29/11	10:00:37	0.020	
14	6/29/11	10:15:37	0.021	
15	6/29/11	10:30:37	0.023	
16	6/29/11	10:45:37	0.025	
17	6/29/11	11:00:37	0.026	
18	6/29/11	11:15:37	0.029	
19	6/29/11	11:30:37	0.029	
20	6/29/11	11:45:37	0.030	
21	6/29/11	12:00:37	0.027	
22	6/29/11	12:15:37	0.022	
23	6/29/11	12:30:37	0.024	

Test Data			
Sample	Date	Time	Aerosol mg/m ³
24	6/29/11	12:45:37	0.026
25	6/29/11	13:00:37	0.028
26	6/29/11	13:15:37	0.031
27	6/29/11	13:30:37	0.030
28	6/29/11	13:45:05	0.030

Test Name	Upwind (Background)		
Location	JB Wise Construction Project Watertown, NY		
Site ID	MGP Site V004736		
File number	0		
Application	0		
Zone number	0		
Battery	5.5		
Start time	6/29/2011 6:58:45AM		
Time	Channel 1		
	PID		
Gas	Isobutylene		
Units	ppm		
Date	Time	PID	
6/29/2011	7:13:45am	0	
6/29/2011	7:28:45am	0	
6/29/2011	7:43:45am	0	
6/29/2011	7:58:45am	0	
6/29/2011	8:13:45am	0	
6/29/2011	8:28:45am	0	
6/29/2011	8:43:45am	0	
6/29/2011	8:58:45am	0	
6/29/2011	9:13:45am	0	
6/29/2011	9:28:45am	0	
6/29/2011	9:43:45am	0	
6/29/2011	9:58:45am	0	
6/29/2011	10:13:45am	0	
6/29/2011	10:28:45am	0	
6/29/2011	10:43:45am	0	
6/29/2011	10:58:45am	0	
6/29/2011	11:13:45am	0	
6/29/2011	11:28:45am	0	
6/29/2011	11:43:45am	0	
6/29/2011	11:58:45am	0	
6/29/2011	12:13:45pm	0	
6/29/2011	12:28:45pm	0	
6/29/2011	12:43:45pm	0	
6/29/2011	12:58:45pm	0	
6/29/2011	13:13:45pm	0	
6/29/2011	13:28:45pm	0	
6/29/2011	13:43:45pm	0	
6/29/2011	13:58:45pm	0	
6/29/2011	14:13:45pm	0	

Test Name	Down Wind PID
Location	JB Wise Construction Project Watertown, NY
Site ID	MGP Site V004736
File number	0
Application	0
Zone number	0
Battery	5.5
Start time	6/29/2011 6:45:11AM
Time	Channel 1
	PID
Gas	Isobutylene
Units	ppm

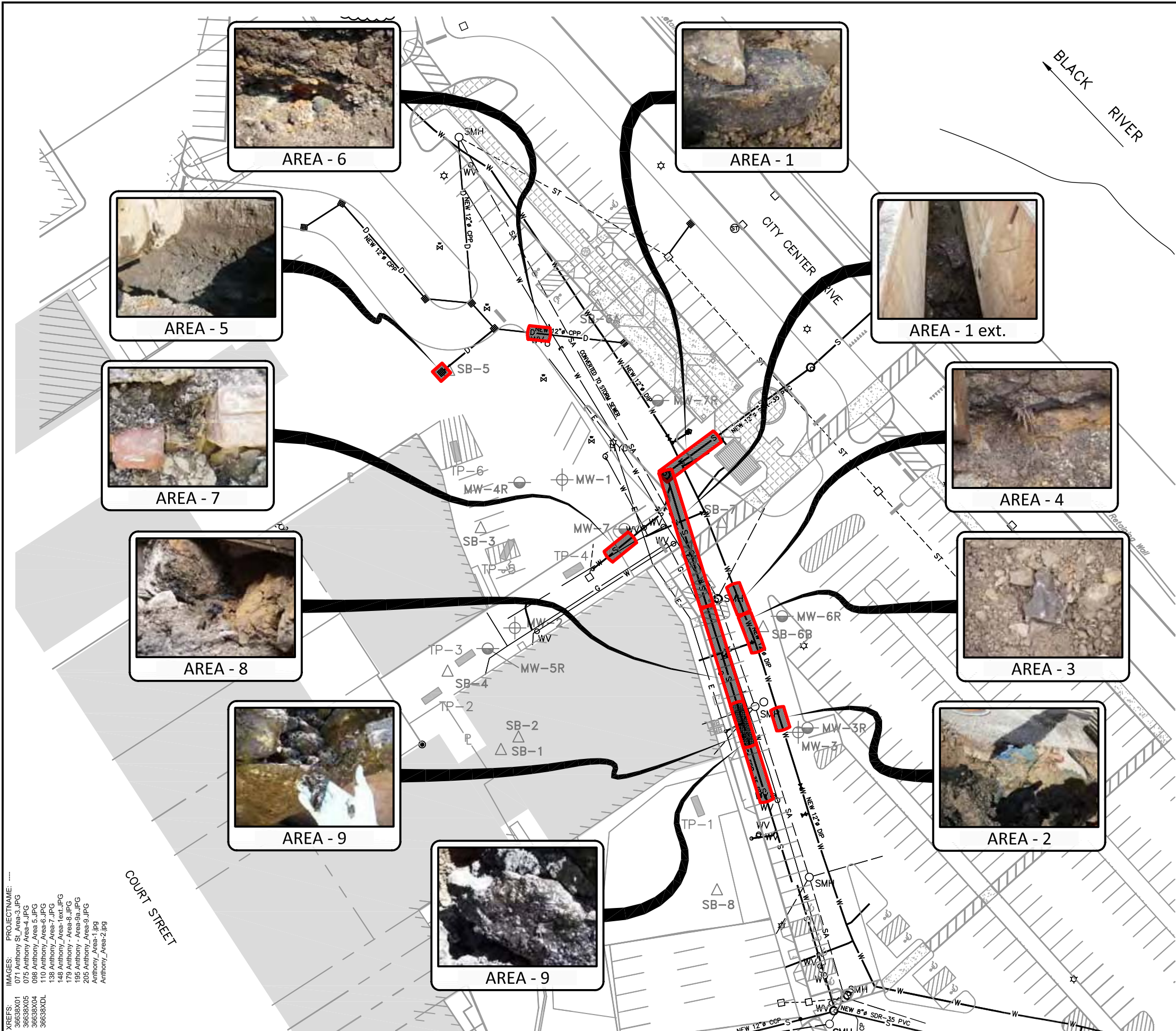
Date	Time	PID
6/29/2011	7:00:11am	0
6/29/2011	7:15:11am	0
6/29/2011	7:30:11am	0
6/29/2011	7:45:11am	0
6/29/2011	8:00:11am	0
6/29/2011	8:15:11am	0
6/29/2011	8:30:11am	0
6/29/2011	8:45:11am	0
6/29/2011	9:00:11am	0
6/29/2011	9:15:11am	0
6/29/2011	9:30:11am	0
6/29/2011	9:45:11am	0
6/29/2011	10:00:11am	0
6/29/2011	10:15:11am	0
6/29/2011	10:30:31am	0
6/29/2011	10:45:11am	0
6/29/2011	11:00:11am	0
6/29/2011	11:15:11am	0
6/29/2011	11:30:11am	0
6/29/2011	11:45:11am	0
6/29/2011	12:00:11pm	0
6/29/2011	12:15:11pm	0
6/29/2011	12:30:11pm	0
6/29/2011	12:45:11pm	0
6/29/2011	13:00:11pm	0
6/29/2011	13:15:11pm	0
6/29/2011	13:30:11pm	0
6/29/2011	13:45:11pm	0



Attachment 2

Photograph Documentation Figure

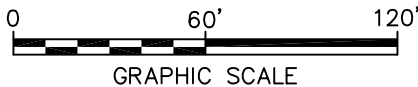
PROJECTNAME: ---
IMAGES: 071 Anthony SL_Area-3.JPG
36638X01 075 Anthony Area-4.JPG
36638X05 098 Anthony_Area-5.JPG
36638X04 110 Anthony_Area-6.JPG
36638X06 138 Anthony_Area-7.JPG
36638X07 178 Anthony_Area-8.JPG
36638X08 195 Anthony_Area-9.JPG
36638X09 205 Anthony_Area-1.JPG
36638X10 Anthony_Area-2.JPG



- LEGEND:**
- △ SOIL BORING
 - ⊕ OVERBURDEN MONITORING WELL
 - BEDROCK MONITORING WELL
 - TEST PIT LOCATION
 - CATCH BASIN
 - ⊗ MANHOLE (MAY BE SANITARY OR STORM)
 - ⊙ MANHOLE (STORM)
 - ⊙ MANHOLE (SANITARY)
 - ⊗ WATER VALVE
 - ☆ LIGHT POLE
 - FOUND IRON PIPE
 - ⊗ FIRE HYDRANT
 - PROPERTY LINE
 - E — ELECTRIC LINE
 - G — GAS LINE
 - W — WATER LINE
 - ST --- STORM SEWER LINE
 - SA --- SANITARY SEWER LINE
 - AREA OF OBSERVED IMPACTS

NOTES:

1. BASE MAP IS FROM A SURVEY DONE BY WCT SURVEYORS, P.C., CANTON, NEW YORK ON APRIL 5, 2004, FILE # 103-218. UPDATED WITH SURVEY DONE BY C.T.MALE ON 11/12/08.
2. ELEVATIONS SHOWN ARE BASED ON NAVD 88 DATUM AS DETERMINED FROM STATIC GPS OBSERVATIONS AS PROCESSED BY THE NATIONAL GEODETIC SURVEY OPUS PROGRAM.
3. UTILITIES AND SURFACE FEATURES BASED ON CITY OF WATERTOWN AS-BUILTS PROVIDED TO NATIONAL GRID ON JULY 24, 2012.



NATIONAL GRID
WATERTOWN (ANTHONY STREET) FORMER MGP SITE
**J.B. WISE PARKING LOT
RECONSTRUCTION PROJECT**

PHOTO DOCUMENTATION FIGURE





Attachment 3

Waste Characterization Analytical
Results

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-5332-1

Client Project/Site: NFG Anthony Street Waste Characterization

For:

ARCADIS U.S. Inc

6723 Towpath Road

PO BOX 66

Syracuse, New York 13214

Attn: Mr. David Cornell



Authorized for release by:

06/03/2011 12:38:22 PM

Candace Fox

Project Manager II

candace.fox@testamericainc.com

LINKS

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results through

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www.testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all 2003 NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, 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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
E	Result exceeded calibration range.

GC Semi VOA

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.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.

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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Job ID: 480-5332-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-5332-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following sample(s) was diluted due to the nature of the TCLP sample matrix: (LB 480-17749/1-A), Anthony-WC-1-5-25-11 (480-5332-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Metals

Method(s) 6010B: The analytes total barium and chromium were detected in the TCLP Extractor Blank, LB 480-17750, at concentrations above the TestAmerica Laboratories standard quantitation limits. Sample Anthony-WC-1-5-25-11 (480-5332-1) was evaluated and determined to be at least five times less than the TCLP Regulatory Limits. The sample data was therefore accepted and no corrective action was performed.

No other analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Client Sample ID: Anthony-WC-1-5-25-11

Lab Sample ID: 480-5332-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Paint Filter	passed				mL/100g	1		9095A	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
gamma-BHC (Lindane)	0.000096	J B	0.00020	0.0000060	mg/L	1		8081A	TCLP
Barium	0.28	B	0.0020	0.00070	mg/L	1		6010B	TCLP
Cadmium	0.0012		0.0010	0.00033	mg/L	1		6010B	TCLP
Chromium	0.0065	B	0.0040	0.00087	mg/L	1		6010B	TCLP
Lead	0.075		0.0050	0.0030	mg/L	1		6010B	TCLP
Mercury	0.00028		0.00020	0.00012	mg/L	1		7470A	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010	Total/NA
pH	7.28		0.100	0.100	SU	1		9045C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-5332-2

No Detections.

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Client Sample ID: Anthony-WC-1-5-25-11

Lab Sample ID: 480-5332-1

Date Collected: 05/25/11 12:50

Matrix: Solid

Date Received: 05/26/11 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			05/28/11 01:35	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/28/11 01:35	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/28/11 01:35	10
Chloroform	ND		0.010	0.0034	mg/L			05/28/11 01:35	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/28/11 01:35	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/28/11 01:35	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/28/11 01:35	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/28/11 01:35	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/28/11 01:35	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/28/11 01:35	10
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	124		66 - 137					05/28/11 01:35	10
Toluene-d8 (Surr)	111		71 - 126					05/28/11 01:35	10
4-Bromofluorobenzene (Surr)	111		73 - 120					05/28/11 01:35	10

Method: 8270C - 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		05/31/11 10:14	06/01/11 20:31	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/31/11 10:14	06/01/11 20:31	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/31/11 10:14	06/01/11 20:31	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/31/11 10:14	06/01/11 20:31	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/31/11 10:14	06/01/11 20:31	1
3-Methylphenol	ND	*	0.010	0.00040	mg/L		05/31/11 10:14	06/01/11 20:31	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/31/11 10:14	06/01/11 20:31	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/31/11 10:14	06/01/11 20:31	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/31/11 10:14	06/01/11 20:31	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/31/11 10:14	06/01/11 20:31	1
Pyridine	ND		0.025	0.00041	mg/L		05/31/11 10:14	06/01/11 20:31	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/31/11 10:14	06/01/11 20:31	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/31/11 10:14	06/01/11 20:31	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	89		52 - 132				05/31/11 10:14	06/01/11 20:31	1
2-Fluorobiphenyl	71		48 - 120				05/31/11 10:14	06/01/11 20:31	1
2-Fluorophenol	41		20 - 120				05/31/11 10:14	06/01/11 20:31	1
Nitrobenzene-d5	74		46 - 120				05/31/11 10:14	06/01/11 20:31	1
p-Terphenyl-d14	90		24 - 136				05/31/11 10:14	06/01/11 20:31	1
Phenol-d5	31		16 - 120				05/31/11 10:14	06/01/11 20:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.000096	J B	0.00020	0.0000060	mg/L		05/31/11 10:58	06/01/11 12:34	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/31/11 10:58	06/01/11 12:34	1
Endrin	ND		0.00020	0.000014	mg/L		05/31/11 10:58	06/01/11 12:34	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/31/11 10:58	06/01/11 12:34	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/31/11 10:58	06/01/11 12:34	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/31/11 10:58	06/01/11 12:34	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/31/11 10:58	06/01/11 12:34	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Client Sample ID: Anthony-WC-1-5-25-11

Lab Sample ID: 480-5332-1

Date Collected: 05/25/11 12:50

Matrix: Solid

Date Received: 05/26/11 10:00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	53		15 - 139	05/31/11 10:58	06/01/11 12:34	1
Tetrachloro-m-xylene	56		30 - 139	05/31/11 10:58	06/01/11 12:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		270	53	ug/Kg	☆	05/31/11 11:04	05/31/11 20:00	1
PCB-1221	ND		270	53	ug/Kg	☆	05/31/11 11:04	05/31/11 20:00	1
PCB-1232	ND		270	53	ug/Kg	☆	05/31/11 11:04	05/31/11 20:00	1
PCB-1242	ND		270	59	ug/Kg	☆	05/31/11 11:04	05/31/11 20:00	1
PCB-1248	ND		270	53	ug/Kg	☆	05/31/11 11:04	05/31/11 20:00	1
PCB-1254	ND		270	57	ug/Kg	☆	05/31/11 11:04	05/31/11 20:00	1
PCB-1260	ND		270	130	ug/Kg	☆	05/31/11 11:04	05/31/11 20:00	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	74		34 - 148	05/31/11 11:04	05/31/11 20:00	1
Tetrachloro-m-xylene	67		35 - 134	05/31/11 11:04	05/31/11 20:00	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		06/01/11 11:19	06/02/11 16:45	1
2,4-D	ND		0.0020	0.00040	mg/L		06/01/11 11:19	06/02/11 16:45	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	38		19 - 128	06/01/11 11:19	06/02/11 16:45	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0056	mg/L		05/31/11 08:40	05/31/11 17:36	1
Barium	0.28	B	0.0020	0.00070	mg/L		05/31/11 08:40	05/31/11 17:36	1
Cadmium	0.0012		0.0010	0.00033	mg/L		05/31/11 08:40	05/31/11 17:36	1
Chromium	0.0065	B	0.0040	0.00087	mg/L		05/31/11 08:40	05/31/11 17:36	1
Lead	0.075		0.0050	0.0030	mg/L		05/31/11 08:40	05/31/11 17:36	1
Selenium	ND		0.015	0.0087	mg/L		05/31/11 08:40	05/31/11 17:36	1
Silver	ND		0.0030	0.0012	mg/L		05/31/11 08:40	05/31/11 17:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00028		0.00020	0.00012	mg/L		06/02/11 12:20	06/02/11 16:03	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Paint Filter	passed				mL/100g			05/27/11 16:27	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/26/11 16:48	05/27/11 08:50	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/26/11 16:48	05/26/11 20:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			05/26/11 20:04	1
pH	7.28		0.100	0.100	SU			05/27/11 17:27	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-5332-2

Date Collected: 05/25/11 00:00

Matrix: Water

Date Received: 05/26/11 10:00

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010	0.00041	mg/L			05/28/11 00:23	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			05/28/11 00:23	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			05/28/11 00:23	1
Chloroform	ND		0.0010	0.00034	mg/L			05/28/11 00:23	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			05/28/11 00:23	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			05/28/11 00:23	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			05/28/11 00:23	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			05/28/11 00:23	1
Trichloroethene	ND		0.0010	0.00046	mg/L			05/28/11 00:23	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			05/28/11 00:23	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	128		66 - 137					05/28/11 00:23	1
Toluene-d8 (Surr)	114		71 - 126					05/28/11 00:23	1
4-Bromofluorobenzene (Surr)	113		73 - 120					05/28/11 00:23	1

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-17920/5

Matrix: Water

Analysis Batch: 17920

Client Sample ID: MB 480-17920/5

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0010	0.00041	mg/L			05/27/11 23:51	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			05/27/11 23:51	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			05/27/11 23:51	1
Chloroform	ND		0.0010	0.00034	mg/L			05/27/11 23:51	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			05/27/11 23:51	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			05/27/11 23:51	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			05/27/11 23:51	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			05/27/11 23:51	1
Trichloroethene	ND		0.0010	0.00046	mg/L			05/27/11 23:51	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			05/27/11 23:51	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		66 - 137		05/27/11 23:51	1
Toluene-d8 (Surr)	109		71 - 126		05/27/11 23:51	1
4-Bromofluorobenzene (Surr)	115		73 - 120		05/27/11 23:51	1

Lab Sample ID: LCS 480-17920/4

Matrix: Solid

Analysis Batch: 17920

Client Sample ID: LCS 480-17920/4

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	0.0250	0.0256		mg/L		102	71 - 124
Chlorobenzene	0.0250	0.0256		mg/L		102	72 - 120
1,2-Dichloroethane	0.0250	0.0272		mg/L		109	75 - 127
1,1-Dichloroethene	0.0250	0.0245		mg/L		98	65 - 138
Tetrachloroethene	0.0250	0.0269		mg/L		108	74 - 122
Trichloroethene	0.0250	0.0257		mg/L		103	74 - 123

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
Toluene-d8 (Surr)	109		71 - 126
4-Bromofluorobenzene (Surr)	112		73 - 120

Lab Sample ID: LB 480-17749/1-A LB

Matrix: Solid

Analysis Batch: 17920

Client Sample ID: LB 480-17749/1-A

Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			05/28/11 00:47	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/28/11 00:47	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/28/11 00:47	10
Chloroform	ND		0.010	0.0034	mg/L			05/28/11 00:47	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/28/11 00:47	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/28/11 00:47	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/28/11 00:47	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/28/11 00:47	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/28/11 00:47	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/28/11 00:47	10

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

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

Lab Sample ID: LB 480-17749/1-A LB

Matrix: Solid

Analysis Batch: 17920

Client Sample ID: LB 480-17749/1-A

Prep Type: TCLP

	LB	LB				
Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	126		66 - 137		05/28/11 00:47	10
Toluene-d8 (Surr)	110		71 - 126		05/28/11 00:47	10
4-Bromofluorobenzene (Surr)	113		73 - 120		05/28/11 00:47	10

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

Lab Sample ID: MB 480-18023/1-A

Matrix: Solid

Analysis Batch: 18203

Client Sample ID: MB 480-18023/1-A

Prep Type: Total/NA

Prep Batch: 18023

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0025	0.00012	mg/L		05/31/11 09:33	06/01/11 15:25	1
2,4-Dinitrotoluene	ND		0.0013	0.00011	mg/L		05/31/11 09:33	06/01/11 15:25	1
Hexachlorobenzene	ND		0.0013	0.00013	mg/L		05/31/11 09:33	06/01/11 15:25	1
Hexachlorobutadiene	ND		0.0013	0.00017	mg/L		05/31/11 09:33	06/01/11 15:25	1
Hexachloroethane	ND		0.0013	0.00015	mg/L		05/31/11 09:33	06/01/11 15:25	1
3-Methylphenol	ND		0.0025	0.00010	mg/L		05/31/11 09:33	06/01/11 15:25	1
2-Methylphenol	ND		0.0013	0.00010	mg/L		05/31/11 09:33	06/01/11 15:25	1
4-Methylphenol	ND		0.0025	0.000090	mg/L		05/31/11 09:33	06/01/11 15:25	1
Nitrobenzene	ND		0.0013	0.000073	mg/L		05/31/11 09:33	06/01/11 15:25	1
Pentachlorophenol	ND		0.0025	0.00055	mg/L		05/31/11 09:33	06/01/11 15:25	1
Pyridine	ND		0.0063	0.00010	mg/L		05/31/11 09:33	06/01/11 15:25	1
2,4,5-Trichlorophenol	ND		0.0013	0.00012	mg/L		05/31/11 09:33	06/01/11 15:25	1
2,4,6-Trichlorophenol	ND		0.0013	0.00015	mg/L		05/31/11 09:33	06/01/11 15:25	1

	MB	MB				
Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	97		52 - 132	05/31/11 09:33	06/01/11 15:25	1
2-Fluorobiphenyl	77		48 - 120	05/31/11 09:33	06/01/11 15:25	1
2-Fluorophenol	42		20 - 120	05/31/11 09:33	06/01/11 15:25	1
Nitrobenzene-d5	73		46 - 120	05/31/11 09:33	06/01/11 15:25	1
p-Terphenyl-d14	101		24 - 136	05/31/11 09:33	06/01/11 15:25	1
Phenol-d5	33		16 - 120	05/31/11 09:33	06/01/11 15:25	1

Lab Sample ID: LCS 480-18023/2-A

Matrix: Solid

Analysis Batch: 18203

Client Sample ID: LCS 480-18023/2-A

Prep Type: Total/NA

Prep Batch: 18023

			Spike	LCS	LCS				% Rec.
Analyte			Added	Result	Qualifier	Unit	D	% Rec	Limits
1,4-Dichlorobenzene			0.100	0.0610		mg/L		61	32 - 120
2,4-Dinitrotoluene			0.100	0.105		mg/L		105	59 - 125
Hexachloroethane			0.100	0.0570		mg/L		57	25 - 120
Pentachlorophenol			0.100	0.120		mg/L		120	39 - 136

	LCS	LCS						
Surrogate	% Recovery	Qualifier	Limits					
2,4,6-Tribromophenol	102		52 - 132					
2-Fluorobiphenyl	94		48 - 120					
2-Fluorophenol	56		20 - 120					
Nitrobenzene-d5	92		46 - 120					
p-Terphenyl-d14	108		24 - 136					

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

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

Lab Sample ID: LCS 480-18023/2-A

Matrix: Solid

Analysis Batch: 18203

Client Sample ID: LCS 480-18023/2-A

Prep Type: Total/NA

Prep Batch: 18023

	LCS	LCS	
Surrogate	% Recovery	Qualifier	Limits
Phenol-d5	42		16 - 120

Lab Sample ID: LB 480-17750/1-C LB

Matrix: Solid

Analysis Batch: 18203

Client Sample ID: LB 480-17750/1-C

Prep Type: TCLP

Prep Batch: 18023

Analyte	LB	LB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		05/31/11 10:14	06/01/11 20:07	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		05/31/11 10:14	06/01/11 20:07	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		05/31/11 10:14	06/01/11 20:07	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		05/31/11 10:14	06/01/11 20:07	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		05/31/11 10:14	06/01/11 20:07	1
3-Methylphenol	ND		0.010	0.00040	mg/L		05/31/11 10:14	06/01/11 20:07	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		05/31/11 10:14	06/01/11 20:07	1
4-Methylphenol	ND		0.010	0.00036	mg/L		05/31/11 10:14	06/01/11 20:07	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		05/31/11 10:14	06/01/11 20:07	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		05/31/11 10:14	06/01/11 20:07	1
Pyridine	ND		0.025	0.00041	mg/L		05/31/11 10:14	06/01/11 20:07	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		05/31/11 10:14	06/01/11 20:07	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		05/31/11 10:14	06/01/11 20:07	1

	LB	LB							
Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
2,4,6-Tribromophenol	96		52 - 132	05/31/11 10:14	06/01/11 20:07	1			
2-Fluorobiphenyl	78		48 - 120	05/31/11 10:14	06/01/11 20:07	1			
2-Fluorophenol	44		20 - 120	05/31/11 10:14	06/01/11 20:07	1			
Nitrobenzene-d5	79		46 - 120	05/31/11 10:14	06/01/11 20:07	1			
p-Terphenyl-d14	102		24 - 136	05/31/11 10:14	06/01/11 20:07	1			
Phenol-d5	33		16 - 120	05/31/11 10:14	06/01/11 20:07	1			

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-18028/1-A

Matrix: Solid

Analysis Batch: 18156

Client Sample ID: MB 480-18028/1-A

Prep Type: Total/NA

Prep Batch: 18028

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.0000238	J	0.000050	0.0000015	mg/L		05/31/11 09:36	06/01/11 10:29	1
Chlordane (technical)	ND		0.00050	0.0000073	mg/L		05/31/11 09:36	06/01/11 10:29	1
Endrin	ND		0.000050	0.0000035	mg/L		05/31/11 09:36	06/01/11 10:29	1
Heptachlor	ND		0.000050	0.0000021	mg/L		05/31/11 09:36	06/01/11 10:29	1
Heptachlor epoxide	ND		0.000050	0.0000013	mg/L		05/31/11 09:36	06/01/11 10:29	1
Methoxychlor	ND		0.000050	0.0000035	mg/L		05/31/11 09:36	06/01/11 10:29	1
Toxaphene	ND		0.00050	0.000030	mg/L		05/31/11 09:36	06/01/11 10:29	1

	MB	MB							
Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
DCB Decachlorobiphenyl	38		15 - 139	05/31/11 09:36	06/01/11 10:29	1			
Tetrachloro-m-xylene	56		30 - 139	05/31/11 09:36	06/01/11 10:29	1			

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-18028/2-A

Matrix: Solid

Analysis Batch: 18156

Client Sample ID: LCS 480-18028/2-A

Prep Type: Total/NA

Prep Batch: 18028

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
gamma-BHC (Lindane)	0.000500	0.000397		mg/L		79	53 - 120
Endrin	0.000500	0.000471		mg/L		94	43 - 134
Heptachlor	0.000500	0.000373		mg/L		75	52 - 120
Heptachlor epoxide	0.000500	0.000415		mg/L		83	53 - 120
Methoxychlor	0.000500	0.000504		mg/L		101	52 - 142

Surrogate	LCS % Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	52		15 - 139
Tetrachloro-m-xylene	62		30 - 139

Lab Sample ID: LB 480-17750/1-D LB

Matrix: Solid

Analysis Batch: 18156

Client Sample ID: LB 480-17750/1-D

Prep Type: TCLP

Prep Batch: 18028

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.000113	J	0.00020	0.0000060	mg/L		05/31/11 10:58	06/01/11 11:10	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/31/11 10:58	06/01/11 11:10	1
Endrin	ND		0.00020	0.000014	mg/L		05/31/11 10:58	06/01/11 11:10	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/31/11 10:58	06/01/11 11:10	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/31/11 10:58	06/01/11 11:10	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/31/11 10:58	06/01/11 11:10	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/31/11 10:58	06/01/11 11:10	1

Surrogate	LB % Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		15 - 139	05/31/11 10:58	06/01/11 11:10	1
Tetrachloro-m-xylene	59		30 - 139	05/31/11 10:58	06/01/11 11:10	1

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-18214/1-A

Matrix: Solid

Analysis Batch: 18373

Client Sample ID: MB 480-18214/1-A

Prep Type: Total/NA

Prep Batch: 18214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00050	0.000090	mg/L		06/01/11 11:19	06/02/11 14:47	1
2,4-D	ND		0.00050	0.00010	mg/L		06/01/11 11:19	06/02/11 14:47	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	108		19 - 128	06/01/11 11:19	06/02/11 14:47	1

Lab Sample ID: LCS 480-18214/2-A

Matrix: Solid

Analysis Batch: 18373

Client Sample ID: LCS 480-18214/2-A

Prep Type: Total/NA

Prep Batch: 18214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Silvex (2,4,5-TP)	0.00200	0.00178		mg/L		89	25 - 137
2,4-D	0.00200	0.00204		mg/L		102	32 - 150

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 480-18214/2-A

Matrix: Solid

Analysis Batch: 18373

Client Sample ID: LCS 480-18214/2-A

Prep Type: Total/NA

Prep Batch: 18214

	LCS	LCS	
Surrogate	% Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid	93		19 - 128

Lab Sample ID: LCSD 480-18214/3-A

Matrix: Solid

Analysis Batch: 18373

Client Sample ID: LCSD 480-18214/3-A

Prep Type: Total/NA

Prep Batch: 18214

	Spike	LCSD	LCSD				% Rec.	RPD	
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limit
Silvex (2,4,5-TP)	0.00200	0.00177		mg/L		89	25 - 137	0	50
2,4-D	0.00200	0.00212		mg/L		106	32 - 150	4	50
	LCSD	LCSD							
Surrogate	% Recovery	Qualifier	Limits						
2,4-Dichlorophenylacetic acid	85		19 - 128						

Lab Sample ID: LB 480-17750/1-E LB

Matrix: Solid

Analysis Batch: 18373

Client Sample ID: LB 480-17750/1-E

Prep Type: TCLP

Prep Batch: 18214

	LB	LB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		06/01/11 11:19	06/02/11 16:16	1
2,4-D	ND		0.0020	0.00040	mg/L		06/01/11 11:19	06/02/11 16:16	1
	LB	LB							
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	50		19 - 128				06/01/11 11:19	06/02/11 16:16	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-18015/2-A

Matrix: Solid

Analysis Batch: 18161

Client Sample ID: MB 480-18015/2-A

Prep Type: Total/NA

Prep Batch: 18015

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0056	mg/L		05/31/11 08:40	05/31/11 17:29	1
Barium	ND		0.0020	0.00070	mg/L		05/31/11 08:40	05/31/11 17:29	1
Cadmium	ND		0.0010	0.00033	mg/L		05/31/11 08:40	05/31/11 17:29	1
Chromium	ND		0.0040	0.00087	mg/L		05/31/11 08:40	05/31/11 17:29	1
Lead	ND		0.0050	0.0030	mg/L		05/31/11 08:40	05/31/11 17:29	1
Selenium	ND		0.015	0.0087	mg/L		05/31/11 08:40	05/31/11 17:29	1
Silver	ND		0.0030	0.0012	mg/L		05/31/11 08:40	05/31/11 17:29	1

Lab Sample ID: LCS 480-18015/3-A

Matrix: Solid

Analysis Batch: 18161

Client Sample ID: LCS 480-18015/3-A

Prep Type: Total/NA

Prep Batch: 18015

	Spike	LCS	LCS				% Rec.	
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits	
Arsenic	1.00	1.09		mg/L		109	80 - 120	
Barium	1.00	1.07		mg/L		107	80 - 120	
Cadmium	1.00	1.04		mg/L		104	80 - 120	
Chromium	1.00	1.03		mg/L		103	80 - 120	
Lead	1.00	1.04		mg/L		104	80 - 120	

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

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

Lab Sample ID: LCS 480-18015/3-A

Matrix: Solid

Analysis Batch: 18161

Client Sample ID: LCS 480-18015/3-A

Prep Type: Total/NA

Prep Batch: 18015

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Selenium	1.00	1.10		mg/L		110	80 - 120
Silver	1.00	1.09		mg/L		109	80 - 120

Lab Sample ID: LB 480-17750/1-B LB

Matrix: Solid

Analysis Batch: 18161

Client Sample ID: LB 480-17750/1-B

Prep Type: TCLP

Prep Batch: 18015

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0056	mg/L		05/31/11 08:40	05/31/11 17:27	1
Barium	0.0882		0.0020	0.00070	mg/L		05/31/11 08:40	05/31/11 17:27	1
Cadmium	ND		0.0010	0.00033	mg/L		05/31/11 08:40	05/31/11 17:27	1
Chromium	0.00477		0.0040	0.00087	mg/L		05/31/11 08:40	05/31/11 17:27	1
Lead	ND		0.0050	0.0030	mg/L		05/31/11 08:40	05/31/11 17:27	1
Selenium	ND		0.015	0.0087	mg/L		05/31/11 08:40	05/31/11 17:27	1
Silver	ND		0.0030	0.0012	mg/L		05/31/11 08:40	05/31/11 17:27	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-18400/9-A

Matrix: Solid

Analysis Batch: 18447

Client Sample ID: MB 480-18400/9-A

Prep Type: Total/NA

Prep Batch: 18400

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/02/11 12:20	06/02/11 16:15	1

Lab Sample ID: LCS 480-18400/8-A

Matrix: Solid

Analysis Batch: 18447

Client Sample ID: LCS 480-18400/8-A

Prep Type: Total/NA

Prep Batch: 18400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	0.00668	0.00615		mg/L		92	80 - 120

Lab Sample ID: LB 480-17750/1-F LB

Matrix: Solid

Analysis Batch: 18447

Client Sample ID: LB 480-17750/1-F

Prep Type: TCLP

Prep Batch: 18400

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/02/11 12:20	06/02/11 16:12	1

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

Lab Sample ID: LCS 480-17757/1

Matrix: Solid

Analysis Batch: 17757

Client Sample ID: LCS 480-17757/1

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Flashpoint	81.0	83.00		Degrees F		102	97.5 - 102.5

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-17761/1-A

Matrix: Solid

Analysis Batch: 17847

Client Sample ID: MB 480-17761/1-A

Prep Type: Total/NA

Prep Batch: 17761

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		05/26/11 16:00	05/27/11 08:50	1

Lab Sample ID: LCS 480-17761/2-A

Matrix: Solid

Analysis Batch: 17847

Client Sample ID: LCS 480-17761/2-A

Prep Type: Total/NA

Prep Batch: 17761

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Reactive	1000	311.5		mg/Kg		31	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-17763/1-A

Matrix: Solid

Analysis Batch: 17764

Client Sample ID: MB 480-17763/1-A

Prep Type: Total/NA

Prep Batch: 17763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		05/26/11 16:00	05/26/11 20:40	1

Lab Sample ID: LCS 480-17763/2-A

Matrix: Solid

Analysis Batch: 17764

Client Sample ID: LCS 480-17763/2-A

Prep Type: Total/NA

Prep Batch: 17763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Sulfide, Reactive	1000	461.2		mg/Kg		46	10 - 100

Method: 9045C - pH

Lab Sample ID: LCS 480-17936/4

Matrix: Solid

Analysis Batch: 17936

Client Sample ID: LCS 480-17936/4

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
pH	7.00	7.050		SU		101	99 - 101

Lab Sample ID: 480-5332-1 DU

Matrix: Solid

Analysis Batch: 17936

Client Sample ID: Anthony-WC-1-5-25-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.28		7.380		SU		1	5

Method: 9095A - Paint Filter

Lab Sample ID: 480-5332-1 DU

Matrix: Solid

Analysis Batch: 17901

Client Sample ID: Anthony-WC-1-5-25-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Paint Filter	passed		passed		mL/100g		NC	

TestAmerica Buffalo

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

GC/MS VOA

Leach Batch: 17749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-17749/1-A LB	LB 480-17749/1-A	TCLP	Solid	1311	
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	1311	

Leach Batch: 17752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-5332-2	TRIP BLANK	TCLP	Water	1311	

Analysis Batch: 17920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-17920/4	LCS 480-17920/4	Total/NA	Solid	8260B	
MB 480-17920/5	MB 480-17920/5	Total/NA	Water	8260B	
480-5332-2	TRIP BLANK	TCLP	Water	8260B	
LB 480-17749/1-A LB	LB 480-17749/1-A	TCLP	Solid	8260B	
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	8260B	

GC/MS Semi VOA

Leach Batch: 17750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-17750/1-C LB	LB 480-17750/1-C	TCLP	Solid	1311	
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	1311	

Prep Batch: 18023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-18023/1-A	MB 480-18023/1-A	Total/NA	Solid	3510C	
LCS 480-18023/2-A	LCS 480-18023/2-A	Total/NA	Solid	3510C	
LB 480-17750/1-C LB	LB 480-17750/1-C	TCLP	Solid	3510C	17750
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	3510C	17750

Analysis Batch: 18203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-18023/1-A	MB 480-18023/1-A	Total/NA	Solid	8270C	18023
LCS 480-18023/2-A	LCS 480-18023/2-A	Total/NA	Solid	8270C	18023
LB 480-17750/1-C LB	LB 480-17750/1-C	TCLP	Solid	8270C	18023
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	8270C	18023

GC Semi VOA

Leach Batch: 17750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-17750/1-D LB	LB 480-17750/1-D	TCLP	Solid	1311	
LB 480-17750/1-E LB	LB 480-17750/1-E	TCLP	Solid	1311	
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	1311	
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	1311	

Prep Batch: 18028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-18028/1-A	MB 480-18028/1-A	Total/NA	Solid	3510C	
LCS 480-18028/2-A	LCS 480-18028/2-A	Total/NA	Solid	3510C	
LB 480-17750/1-D LB	LB 480-17750/1-D	TCLP	Solid	3510C	17750
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	3510C	17750

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

GC Semi VOA (Continued)

Prep Batch: 18075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-5332-1	Anthony-WC-1-5-25-11	Total/NA	Solid	3550B	

Analysis Batch: 18091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-5332-1	Anthony-WC-1-5-25-11	Total/NA	Solid	8082	18075

Analysis Batch: 18156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-18028/1-A	MB 480-18028/1-A	Total/NA	Solid	8081A	18028
LB 480-17750/1-D LB	LB 480-17750/1-D	TCLP	Solid	8081A	18028
LCS 480-18028/2-A	LCS 480-18028/2-A	Total/NA	Solid	8081A	18028
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	8081A	18028

Prep Batch: 18214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-18214/1-A	MB 480-18214/1-A	Total/NA	Solid	8151A	
LCS 480-18214/2-A	LCS 480-18214/2-A	Total/NA	Solid	8151A	
LCSD 480-18214/3-A	LCSD 480-18214/3-A	Total/NA	Solid	8151A	
LB 480-17750/1-E LB	LB 480-17750/1-E	TCLP	Solid	8151A	17750
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	8151A	17750

Analysis Batch: 18373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-18214/1-A	MB 480-18214/1-A	Total/NA	Solid	8151A	18214
LCS 480-18214/2-A	LCS 480-18214/2-A	Total/NA	Solid	8151A	18214
LCSD 480-18214/3-A	LCSD 480-18214/3-A	Total/NA	Solid	8151A	18214
LB 480-17750/1-E LB	LB 480-17750/1-E	TCLP	Solid	8151A	18214
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	8151A	18214

Metals

Leach Batch: 17750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-17750/1-B LB	LB 480-17750/1-B	TCLP	Solid	1311	
LB 480-17750/1-F LB	LB 480-17750/1-F	TCLP	Solid	1311	
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	1311	
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	1311	

Prep Batch: 18015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-17750/1-B LB	LB 480-17750/1-B	TCLP	Solid	3010A	17750
MB 480-18015/2-A	MB 480-18015/2-A	Total/NA	Solid	3010A	
LCS 480-18015/3-A	LCS 480-18015/3-A	Total/NA	Solid	3010A	
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	3010A	17750

Analysis Batch: 18161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-17750/1-B LB	LB 480-17750/1-B	TCLP	Solid	6010B	18015
MB 480-18015/2-A	MB 480-18015/2-A	Total/NA	Solid	6010B	18015
LCS 480-18015/3-A	LCS 480-18015/3-A	Total/NA	Solid	6010B	18015
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	6010B	18015

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Metals (Continued)

Prep Batch: 18400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	7470A	17750
LB 480-17750/1-F LB	LB 480-17750/1-F	TCLP	Solid	7470A	17750
LCS 480-18400/8-A	LCS 480-18400/8-A	Total/NA	Solid	7470A	
MB 480-18400/9-A	MB 480-18400/9-A	Total/NA	Solid	7470A	

Analysis Batch: 18447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-5332-1	Anthony-WC-1-5-25-11	TCLP	Solid	7470A	18400
LB 480-17750/1-F LB	LB 480-17750/1-F	TCLP	Solid	7470A	18400
LCS 480-18400/8-A	LCS 480-18400/8-A	Total/NA	Solid	7470A	18400
MB 480-18400/9-A	MB 480-18400/9-A	Total/NA	Solid	7470A	18400

General Chemistry

Analysis Batch: 17757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-17757/1	LCS 480-17757/1	Total/NA	Solid	1010	
480-5332-1	Anthony-WC-1-5-25-11	Total/NA	Solid	1010	

Prep Batch: 17761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-17761/1-A	MB 480-17761/1-A	Total/NA	Solid	7.3.3	
LCS 480-17761/2-A	LCS 480-17761/2-A	Total/NA	Solid	7.3.3	
480-5332-1	Anthony-WC-1-5-25-11	Total/NA	Solid	7.3.3	

Prep Batch: 17763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-17763/1-A	MB 480-17763/1-A	Total/NA	Solid	7.3.4	
LCS 480-17763/2-A	LCS 480-17763/2-A	Total/NA	Solid	7.3.4	
480-5332-1	Anthony-WC-1-5-25-11	Total/NA	Solid	7.3.4	

Analysis Batch: 17764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-17763/1-A	MB 480-17763/1-A	Total/NA	Solid	9034	17763
LCS 480-17763/2-A	LCS 480-17763/2-A	Total/NA	Solid	9034	17763
480-5332-1	Anthony-WC-1-5-25-11	Total/NA	Solid	9034	17763

Analysis Batch: 17847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-17761/1-A	MB 480-17761/1-A	Total/NA	Solid	9012	17761
LCS 480-17761/2-A	LCS 480-17761/2-A	Total/NA	Solid	9012	17761
480-5332-1	Anthony-WC-1-5-25-11	Total/NA	Solid	9012	17761

Analysis Batch: 17901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-5332-1	Anthony-WC-1-5-25-11	Total/NA	Solid	9095A	
480-5332-1 DU	Anthony-WC-1-5-25-11	Total/NA	Solid	9095A	

Analysis Batch: 17936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-17936/4	LCS 480-17936/4	Total/NA	Solid	9045C	
480-5332-1	Anthony-WC-1-5-25-11	Total/NA	Solid	9045C	

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

General Chemistry (Continued)

Analysis Batch: 17936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-5332-1 DU	Anthony-WC-1-5-25-11	Total/NA	Solid	9045C	

Analysis Batch: 18548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-5332-1	Anthony-WC-1-5-25-11	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Client Sample ID: Anthony-WC-1-5-25-11

Date Collected: 05/25/11 12:50

Date Received: 05/26/11 10:00

Lab Sample ID: 480-5332-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
TCLP	Leach	1311			17749	05/26/11 23:58	LT	TAL BUF
TCLP	Analysis	8260B		10	17920	05/28/11 01:35	DC	TAL BUF
TCLP	Leach	1311			17750	05/27/11 00:05	LT	TAL BUF
TCLP	Prep	3510C			18023	05/31/11 10:14	KV	TAL BUF
TCLP	Analysis	8270C		1	18203	06/01/11 20:31	KP	TAL BUF
Total/NA	Prep	3550B			18075	05/31/11 11:04	CM	TAL BUF
Total/NA	Analysis	8082		1	18091	05/31/11 20:00	JM	TAL BUF
TCLP	Leach	1311			17750	05/27/11 00:05	LT	TAL BUF
TCLP	Prep	3510C			18028	05/31/11 10:58	KV	TAL BUF
TCLP	Analysis	8081A		1	18156	06/01/11 12:34	LW	TAL BUF
TCLP	Prep	8151A			18214	06/01/11 11:19	KV	TAL BUF
TCLP	Analysis	8151A		1	18373	06/02/11 16:45	MN	TAL BUF
TCLP	Leach	1311			17750	05/27/11 00:05	LT	TAL BUF
TCLP	Prep	3010A			18015	05/31/11 08:40	MM	TAL BUF
TCLP	Analysis	6010B		1	18161	05/31/11 17:36	AH	TAL BUF
TCLP	Prep	7470A			18400	06/02/11 12:20	MM	TAL BUF
TCLP	Analysis	7470A		1	18447	06/02/11 16:03	MM	TAL BUF
Total/NA	Analysis	1010		1	17757	05/26/11 20:04	KS	TAL BUF
Total/NA	Prep	7.3.4			17763	05/26/11 16:48	RL	TAL BUF
Total/NA	Analysis	9034		1	17764	05/26/11 20:40	RL	TAL BUF
Total/NA	Prep	7.3.3			17761	05/26/11 16:48	RL	TAL BUF
Total/NA	Analysis	9012		1	17847	05/27/11 08:50	MD	TAL BUF
Total/NA	Analysis	9095A		1	17901	05/27/11 16:27	AP	TAL BUF
Total/NA	Analysis	9045C		1	17936	05/27/11 17:27	ML	TAL BUF
Total/NA	Analysis	Moisture		1	18548	06/03/11 11:26	KK	TAL BUF

Client Sample ID: TRIP BLANK

Date Collected: 05/25/11 00:00

Date Received: 05/26/11 10:00

Lab Sample ID: 480-5332-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
TCLP	Leach	1311			17752	05/27/11 00:12	LT	TAL BUF
TCLP	Analysis	8260B		1	17920	05/28/11 00:23	DC	TAL BUF

Laboratory References:

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

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo		USDA		P330-08-00242
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia	West Virginia DEP	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081A	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL BUF
9012	Cyanide, Reactive	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9045C	pH	SW846	TAL BUF
9095A	Paint Filter	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: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-5332-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-5332-1	Anthony-WC-1-5-25-11	Solid	05/25/11 12:50	05/26/11 10:00
480-5332-2	TRIP BLANK	Water	05/25/11 00:00	05/26/11 10:00

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Contact & Company Name Scott Powell Address: 6723 Towpath Rd City: Syracuse NY 13214 State: NY Zip: 13214 Phone: (315) 671-9456 Fax: (315) 446-8053 E-Mail Address: Scott.Powell@Arcadis-USA.com Project #/Job #: 800-346-3800-00221 Sample Volume: 200ml		Preservative Filtered (✓) # of Containers: 1 Container Information:		PARAMETER ANALYSIS & METHOD TCLP Metals TCLP VOC TCLP SVOC Total PCBs Radioactive Contaminants Lead Filter Ion Mobility Carcinogenicity TCLP PCBs TCLP PCBs TCLP PCBs		Matrix Type (✓) Date: 5/25/11 Time: 12:50 Temp: 17.50 Comp: ✓ Grid: ✓ Matrix: Soil Water		REMARKS	
Special Instructions/Comments: 24 hr TAT		Special QA/QC Instructions (✓):		2.9		Special QA/QC Instructions (✓):		REMARKS	
Lab Name: TetraAmerica - Buffalo Lab Address: 24 hr Lab Phone: 24 hr Lab Fax: 24 hr		Lab Custody Seal (✓) ☐ Intact ☐ Not Intact		Received By: David Cornell Signature: [Signature] Date/Time: 5/25/11 11:50		Relinquished By: [Signature] Signature: [Signature] Date/Time: 5/25/11 10:50		Received By: [Signature] Signature: [Signature] Date/Time: 5/25/11 19:00	
Sample Receipt: Condition/Cooler Temp:		Sample Receipt: Condition/Cooler Temp:		Sample Receipt: Condition/Cooler Temp:		Sample Receipt: Condition/Cooler Temp:		Sample Receipt: Condition/Cooler Temp:	
Printed Name: David Cornell Signature: [Signature] Date/Time: 5/25/11 11:50		Printed Name: David Cornell Signature: [Signature] Date/Time: 5/25/11 11:50		Printed Name: David Cornell Signature: [Signature] Date/Time: 5/25/11 11:50		Printed Name: David Cornell Signature: [Signature] Date/Time: 5/25/11 11:50		Printed Name: David Cornell Signature: [Signature] Date/Time: 5/25/11 11:50	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-5332-1

Login Number: 5332

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert

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	ARCADIS
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: 480-6192-1

Client Project/Site: NFG Anthony Street Waste Characterization

Revision: 1

For:

ARCADIS U.S. Inc

6723 Towpath Road

PO BOX 66

Syracuse, New York 13214

Attn: Mr. David Cornell



Authorized for release by:

06/27/2011 01:19:38 PM

Candace Fox

Project Manager II

candace.fox@testamericainc.com

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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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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
*	LCS or LCSD exceeds the control limits
E	Result exceeded calibration range.
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
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the blank.
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
B	Compound was found in the blank and sample.
F	Duplicate RPD exceeds the control limit
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.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Job ID: 480-6192-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-6192-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following samples were diluted due to the nature of the TCLP matrix: (LB 480-20384/1-A), SANITARY LINE IMPACTS (AREA 8) (480-6192-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MMA/DECON SUMP (480-6192-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA

Method(s) 8270C: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-20547 exceeded control limits for the following analytes: 2,6-Dinitrotoluene, Atrazine and N-Nitrosodiphenylamine. In addition, 4-Nitroaniline exceeded control limits in the LCS and 2,4-Dinitrophenol and 2-Nitrophenol in the LCSD. These analytes were biased high in the LCS and LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270C: The following sample was diluted due to the abundance of target analytes: AREA 4,7,9,COMPOSITE (480-6192-2). As such, surrogate recoveries are reduced to a level where the recovery calculation does not provide useful information. Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC VOA

No analytical or quality issues were noted.

GC Semi VOA

Method(s) 8015B: The following sample was diluted due to an abundance of target analytes: AREA 4,7,9,COMPOSITE (480-6192-2). As such, surrogate recoveries are not reported, and elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The TCLP Extractor Blank, LB 480-20385 for batch 480-20656 contained total cadmium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of sample SANITARY LINE IMPACTS (AREA 8) (480-6192-1) was not performed.

Method(s) 6010B: The Method Blank for batch 480-20535, MB 480-20509, contained dissolved calcium and zinc above the method detection limits. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of sample MMA/DECON SUMP (480-6192-3) was not performed.

No other analytical or quality issues were noted.

General Chemistry

Method(s) SM 4500 Cl- E: The method blank for batch 20634 contained Chloride 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.

No other analytical or quality issues were noted.

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Job ID: 480-6192-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Organic Prep

No analytical or quality issues were noted.

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Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Client Sample ID: SANITARY LINE IMPACTS (AREA 8)

Lab Sample ID: 480-6192-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Paint Filter	pass				mL/100g	1		9095A	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	1.2	B7	0.0020	0.00070	mg/L	1		6010B	TCLP
Cadmium	0.00083	J B	0.0010	0.00033	mg/L	1		6010B	TCLP
Lead	0.016		0.0050	0.0030	mg/L	1		6010B	TCLP
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>176.0		50.0	50.0	Degrees F	1		1010	Total/NA
pH	8.19		0.100	0.100	SU	1		9045C	Total/NA

Client Sample ID: AREA 4,7,9,COMPOSITE

Lab Sample ID: 480-6192-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	J	28	4.7	ug/Kg	1	✖	8260B	Total/NA
Benzene	2.8	J	5.6	0.28	ug/Kg	1	✖	8260B	Total/NA
Ethylbenzene	19		5.6	0.39	ug/Kg	1	✖	8260B	Total/NA
Isopropylbenzene	31		5.6	0.85	ug/Kg	1	✖	8260B	Total/NA
Methylene Chloride	3.6	J	5.6	2.6	ug/Kg	1	✖	8260B	Total/NA
Toluene	13		5.6	0.43	ug/Kg	1	✖	8260B	Total/NA
Xylenes, Total	58		11	0.95	ug/Kg	1	✖	8260B	Total/NA
Biphenyl	7500	J	20000	1200	ug/Kg	100	✖	8270C	Total/NA
2-Methylnaphthalene	20000		20000	240	ug/Kg	100	✖	8270C	Total/NA
Acenaphthene	25000		20000	230	ug/Kg	100	✖	8270C	Total/NA
Acenaphthylene	32000		20000	160	ug/Kg	100	✖	8270C	Total/NA
Anthracene	52000		20000	500	ug/Kg	100	✖	8270C	Total/NA
Benzo(a)anthracene	50000		20000	340	ug/Kg	100	✖	8270C	Total/NA
Benzo(a)pyrene	43000		20000	470	ug/Kg	100	✖	8270C	Total/NA
Benzo(b)fluoranthene	36000		20000	380	ug/Kg	100	✖	8270C	Total/NA
Benzo(g,h,i)perylene	19000	J	20000	240	ug/Kg	100	✖	8270C	Total/NA
Benzo(k)fluoranthene	24000		20000	220	ug/Kg	100	✖	8270C	Total/NA
Carbazole	5400	J	20000	230	ug/Kg	100	✖	8270C	Total/NA
Chrysene	43000		20000	200	ug/Kg	100	✖	8270C	Total/NA
Dibenz(a,h)anthracene	6500	J	20000	230	ug/Kg	100	✖	8270C	Total/NA
Dibenzofuran	17000	J	20000	200	ug/Kg	100	✖	8270C	Total/NA
Fluoranthene	83000		20000	280	ug/Kg	100	✖	8270C	Total/NA
Fluorene	37000		20000	450	ug/Kg	100	✖	8270C	Total/NA
Indeno(1,2,3-cd)pyrene	18000	J	20000	540	ug/Kg	100	✖	8270C	Total/NA
Naphthalene	23000		20000	330	ug/Kg	100	✖	8270C	Total/NA
Phenanthrene	240000		20000	410	ug/Kg	100	✖	8270C	Total/NA
Pyrene	81000		20000	130	ug/Kg	100	✖	8270C	Total/NA
GRO (C6-C10)	28		14	1.7	mg/Kg	10	✖	8015B	Total/NA
Diesel Range Organics [C10-C28]	3900		380	120	mg/Kg	20	✖	8015B	Total/NA
Total Cyanide	34.4		1.1	0.54	mg/Kg	1	✖	9012A	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Percent Total Sulfur	0.060		0.019	0.019	% by dw	1	✖	9038	Total/NA

Client Sample ID: MMA/DECON SUMP

Lab Sample ID: 480-6192-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	2.7		0.20	0.060	mg/L	1		6010B	Total/NA
Arsenic	0.0081	J	0.010	0.0056	mg/L	1		6010B	Total/NA
Cadmium	0.00053	J	0.0010	0.00033	mg/L	1		6010B	Total/NA
Calcium	120		0.50	0.10	mg/L	1		6010B	Total/NA
Chromium	0.0052		0.0040	0.00087	mg/L	1		6010B	Total/NA

TestAmerica Buffalo

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Client Sample ID: MMA/DECON SUMP (Continued)

Lab Sample ID: 480-6192-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	0.034		0.010	0.0015	mg/L	1		6010B	Total/NA
Lead	0.039		0.0050	0.0030	mg/L	1		6010B	Total/NA
Nickel	0.0085	J	0.010	0.0013	mg/L	1		6010B	Total/NA
Zinc	0.030		0.010	0.0017	mg/L	1		6010B	Total/NA
Molybdenum	0.0078	J	0.010	0.0036	mg/L	1		6010B	Total/NA
Arsenic	0.0058	J	0.010	0.0056	mg/L	1		6010B	Dissolved
Calcium	83.6	B	0.50	0.10	mg/L	1		6010B	Dissolved
Chromium	0.0022	J	0.0040	0.00087	mg/L	1		6010B	Dissolved
Copper	0.0054	J	0.010	0.0015	mg/L	1		6010B	Dissolved
Lead	0.0066		0.0050	0.0030	mg/L	1		6010B	Dissolved
Molybdenum	0.0095	J	0.010	0.0036	mg/L	1		6010B	Dissolved
Nickel	0.0055	J	0.010	0.0013	mg/L	1		6010B	Dissolved
Zinc	0.0079	J B	0.010	0.0017	mg/L	1		6010B	Dissolved
Total Recoverable Phenolics	0.56		0.050	0.025	mg/L	5		420.4	Total/NA
Total Cyanide	1.6		0.050	0.025	mg/L	5		9012A	Total/NA
Chloride	37.6	B	1.0	0.46	mg/L	1		SM 4500 Cl- E	Total/NA
Phenolics, Total Recoverable	0.43		0.050	0.025	mg/L	5		420.4	Dissolved
Chloride	31.9	B	1.0	0.46	mg/L	1		SM 4500 Cl- E	Dissolved

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-6192-4

No Detections.

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Client Sample ID: SANITARY LINE IMPACTS (AREA 8)

Date Collected: 06/15/11 14:50

Date Received: 06/16/11 09:20

Lab Sample ID: 480-6192-1

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			06/18/11 12:23	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			06/18/11 12:23	10
Chlorobenzene	ND		0.010	0.0075	mg/L			06/18/11 12:23	10
Chloroform	ND		0.010	0.0034	mg/L			06/18/11 12:23	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			06/18/11 12:23	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			06/18/11 12:23	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			06/18/11 12:23	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			06/18/11 12:23	10
Trichloroethene	ND		0.010	0.0046	mg/L			06/18/11 12:23	10
Vinyl chloride	ND		0.010	0.0090	mg/L			06/18/11 12:23	10
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137					06/18/11 12:23	10
Toluene-d8 (Surr)	99		71 - 126					06/18/11 12:23	10
4-Bromofluorobenzene (Surr)	91		73 - 120					06/18/11 12:23	10

Method: 8270C - 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		06/20/11 09:04	06/21/11 18:23	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		06/20/11 09:04	06/21/11 18:23	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		06/20/11 09:04	06/21/11 18:23	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		06/20/11 09:04	06/21/11 18:23	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		06/20/11 09:04	06/21/11 18:23	1
3-Methylphenol	ND		0.010	0.00040	mg/L		06/20/11 09:04	06/21/11 18:23	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		06/20/11 09:04	06/21/11 18:23	1
4-Methylphenol	ND		0.010	0.00036	mg/L		06/20/11 09:04	06/21/11 18:23	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		06/20/11 09:04	06/21/11 18:23	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		06/20/11 09:04	06/21/11 18:23	1
Pyridine	ND		0.025	0.00041	mg/L		06/20/11 09:04	06/21/11 18:23	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		06/20/11 09:04	06/21/11 18:23	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		06/20/11 09:04	06/21/11 18:23	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	121		52 - 132				06/20/11 09:04	06/21/11 18:23	1
2-Fluorobiphenyl	78		48 - 120				06/20/11 09:04	06/21/11 18:23	1
2-Fluorophenol	40		20 - 120				06/20/11 09:04	06/21/11 18:23	1
Nitrobenzene-d5	69		46 - 120				06/20/11 09:04	06/21/11 18:23	1
p-Terphenyl-d14	84		24 - 136				06/20/11 09:04	06/21/11 18:23	1
Phenol-d5	33		16 - 120				06/20/11 09:04	06/21/11 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		06/20/11 09:58	06/21/11 19:33	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		06/20/11 09:58	06/21/11 19:33	1
Endrin	ND		0.00020	0.000014	mg/L		06/20/11 09:58	06/21/11 19:33	1
Heptachlor	ND		0.00020	0.0000085	mg/L		06/20/11 09:58	06/21/11 19:33	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		06/20/11 09:58	06/21/11 19:33	1
Methoxychlor	ND		0.00020	0.000014	mg/L		06/20/11 09:58	06/21/11 19:33	1
Toxaphene	ND		0.0020	0.00012	mg/L		06/20/11 09:58	06/21/11 19:33	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		15 - 139				06/20/11 09:58	06/21/11 19:33	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Client Sample ID: SANITARY LINE IMPACTS (AREA 8)

Date Collected: 06/15/11 14:50

Date Received: 06/16/11 09:20

Lab Sample ID: 480-6192-1

Matrix: Solid

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

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	68		30 - 139	06/20/11 09:58	06/21/11 19:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		18	3.5	ug/Kg	☼	06/24/11 15:19	06/25/11 16:58	1
PCB-1221	ND		18	3.5	ug/Kg	☼	06/24/11 15:19	06/25/11 16:58	1
PCB-1232	ND		18	3.5	ug/Kg	☼	06/24/11 15:19	06/25/11 16:58	1
PCB-1242	ND		18	3.5	ug/Kg	☼	06/24/11 15:19	06/25/11 16:58	1
PCB-1248	ND		18	3.5	ug/Kg	☼	06/24/11 15:19	06/25/11 16:58	1
PCB-1254	ND		18	8.5	ug/Kg	☼	06/24/11 15:19	06/25/11 16:58	1
PCB-1260	ND		18	8.5	ug/Kg	☼	06/24/11 15:19	06/25/11 16:58	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	96		34 - 148	06/24/11 15:19	06/25/11 16:58	1
Tetrachloro-m-xylene	72		35 - 134	06/24/11 15:19	06/25/11 16:58	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		06/20/11 18:31	06/21/11 18:13	1
2,4-D	ND		0.0020	0.00040	mg/L		06/20/11 18:31	06/21/11 18:13	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	41		19 - 128	06/20/11 18:31	06/21/11 18:13	1

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.010	0.0056	mg/L		06/20/11 08:20	06/20/11 14:26	1
Barium	1.2	B7	0.0020	0.00070	mg/L		06/20/11 08:20	06/20/11 14:26	1
Cadmium	0.00083	J B	0.0010	0.00033	mg/L		06/20/11 08:20	06/20/11 14:26	1
Chromium	ND		0.0040	0.00087	mg/L		06/20/11 08:20	06/20/11 14:26	1
Lead	0.016		0.0050	0.0030	mg/L		06/20/11 08:20	06/20/11 14:26	1
Selenium	ND		0.015	0.0087	mg/L		06/20/11 08:20	06/20/11 14:26	1
Silver	ND		0.0030	0.0012	mg/L		06/20/11 08:20	06/20/11 14:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/20/11 10:45	06/20/11 14:38	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Paint Filter	pass				mL/100g			06/22/11 16:44	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		06/21/11 00:27	06/20/11 22:47	1
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		06/20/11 19:43	06/20/11 21:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>176.0		50.0	50.0	Degrees F			06/17/11 15:00	1
pH	8.19		0.100	0.100	SU			06/17/11 16:10	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Client Sample ID: AREA 4,7,9,COMPOSITE

Lab Sample ID: 480-6192-2

Date Collected: 06/15/11 15:00

Matrix: Solid

Date Received: 06/16/11 09:20

Percent Solids: 85.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.6	0.41	ug/Kg	☼		06/18/11 05:02	1
1,1,2,2-Tetrachloroethane	ND		5.6	0.91	ug/Kg	☼		06/18/11 05:02	1
1,1,2-Trichloroethane	ND		5.6	0.73	ug/Kg	☼		06/18/11 05:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3	ug/Kg	☼		06/18/11 05:02	1
1,1-Dichloroethane	ND		5.6	0.69	ug/Kg	☼		06/18/11 05:02	1
1,1-Dichloroethene	ND		5.6	0.69	ug/Kg	☼		06/18/11 05:02	1
1,2,4-Trichlorobenzene	ND		5.6	0.34	ug/Kg	☼		06/18/11 05:02	1
1,2-Dibromo-3-Chloropropane	ND		5.6	2.8	ug/Kg	☼		06/18/11 05:02	1
1,2-Dibromoethane	ND		5.6	0.72	ug/Kg	☼		06/18/11 05:02	1
1,2-Dichlorobenzene	ND		5.6	0.44	ug/Kg	☼		06/18/11 05:02	1
1,2-Dichloroethane	ND		5.6	0.28	ug/Kg	☼		06/18/11 05:02	1
1,2-Dichloropropane	ND		5.6	2.8	ug/Kg	☼		06/18/11 05:02	1
1,3-Dichlorobenzene	ND		5.6	0.29	ug/Kg	☼		06/18/11 05:02	1
1,4-Dichlorobenzene	ND		5.6	0.79	ug/Kg	☼		06/18/11 05:02	1
2-Hexanone	ND		28	2.8	ug/Kg	☼		06/18/11 05:02	1
2-Butanone (MEK)	ND		28	2.1	ug/Kg	☼		06/18/11 05:02	1
4-Methyl-2-pentanone (MIBK)	ND		28	1.8	ug/Kg	☼		06/18/11 05:02	1
Acetone	16	J	28	4.7	ug/Kg	☼		06/18/11 05:02	1
Benzene	2.8	J	5.6	0.28	ug/Kg	☼		06/18/11 05:02	1
Bromodichloromethane	ND		5.6	0.76	ug/Kg	☼		06/18/11 05:02	1
Bromoform	ND		5.6	2.8	ug/Kg	☼		06/18/11 05:02	1
Bromomethane	ND		5.6	0.51	ug/Kg	☼		06/18/11 05:02	1
Carbon disulfide	ND		5.6	2.8	ug/Kg	☼		06/18/11 05:02	1
Carbon tetrachloride	ND		5.6	0.55	ug/Kg	☼		06/18/11 05:02	1
Chlorobenzene	ND		5.6	0.74	ug/Kg	☼		06/18/11 05:02	1
Dibromochloromethane	ND		5.6	0.72	ug/Kg	☼		06/18/11 05:02	1
Chloroethane	ND		5.6	1.3	ug/Kg	☼		06/18/11 05:02	1
Chloroform	ND		5.6	0.35	ug/Kg	☼		06/18/11 05:02	1
Chloromethane	ND		5.6	0.34	ug/Kg	☼		06/18/11 05:02	1
cis-1,2-Dichloroethene	ND		5.6	0.72	ug/Kg	☼		06/18/11 05:02	1
cis-1,3-Dichloropropene	ND		5.6	0.81	ug/Kg	☼		06/18/11 05:02	1
Cyclohexane	ND		5.6	0.79	ug/Kg	☼		06/18/11 05:02	1
Dichlorodifluoromethane	ND		5.6	0.47	ug/Kg	☼		06/18/11 05:02	1
Ethylbenzene	19		5.6	0.39	ug/Kg	☼		06/18/11 05:02	1
Isopropylbenzene	31		5.6	0.85	ug/Kg	☼		06/18/11 05:02	1
Methyl acetate	ND		5.6	1.0	ug/Kg	☼		06/18/11 05:02	1
Methyl tert-butyl ether	ND		5.6	0.55	ug/Kg	☼		06/18/11 05:02	1
Methylcyclohexane	ND		5.6	0.86	ug/Kg	☼		06/18/11 05:02	1
Methylene Chloride	3.6	J	5.6	2.6	ug/Kg	☼		06/18/11 05:02	1
Styrene	ND		5.6	0.28	ug/Kg	☼		06/18/11 05:02	1
Tetrachloroethene	ND		5.6	0.76	ug/Kg	☼		06/18/11 05:02	1
Toluene	13		5.6	0.43	ug/Kg	☼		06/18/11 05:02	1
trans-1,2-Dichloroethene	ND		5.6	0.58	ug/Kg	☼		06/18/11 05:02	1
trans-1,3-Dichloropropene	ND		5.6	2.5	ug/Kg	☼		06/18/11 05:02	1
Trichloroethene	ND		5.6	1.2	ug/Kg	☼		06/18/11 05:02	1
Trichlorofluoromethane	ND		5.6	0.53	ug/Kg	☼		06/18/11 05:02	1
Vinyl chloride	ND		5.6	0.69	ug/Kg	☼		06/18/11 05:02	1
Xylenes, Total	58		11	0.95	ug/Kg	☼		06/18/11 05:02	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126		06/18/11 05:02	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterization

TestAmerica Job ID: 480-6192-1

Client Sample ID: AREA 4,7,9,COMPOSITE

Date Collected: 06/15/11 15:00

Date Received: 06/16/11 09:20

Lab Sample ID: 480-6192-2

Matrix: Solid

Percent Solids: 85.8

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

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125		06/18/11 05:02	1
4-Bromofluorobenzene (Surr)	101		72 - 126		06/18/11 05:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	7500	J	20000	1200	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
bis (2-chloroisopropyl) ether	ND		20000	2100	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2,4,5-Trichlorophenol	ND		20000	4300	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2,4,6-Trichlorophenol	ND		20000	1300	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2,4-Dichlorophenol	ND		20000	1000	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2,4-Dimethylphenol	ND		20000	5300	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2,4-Dinitrophenol	ND *		38000	6900	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2,4-Dinitrotoluene	ND		20000	3000	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2,6-Dinitrotoluene	ND *		20000	4800	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2-Chloronaphthalene	ND		20000	1300	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2-Chlorophenol	ND		20000	1000	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2-Methylnaphthalene	20000		20000	240	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2-Methylphenol	ND		20000	600	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2-Nitroaniline	ND		38000	6300	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
2-Nitrophenol	ND *		20000	900	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
3,3'-Dichlorobenzidine	ND		20000	17000	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
3-Nitroaniline	ND		38000	4500	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
4,6-Dinitro-2-methylphenol	ND		38000	6800	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
4-Bromophenyl phenyl ether	ND		20000	6200	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
4-Chloro-3-methylphenol	ND		20000	810	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
4-Chloroaniline	ND		20000	5800	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
4-Chlorophenyl phenyl ether	ND		20000	420	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
4-Methylphenol	ND		38000	1100	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
4-Nitroaniline	ND *		38000	2200	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
4-Nitrophenol	ND		38000	4800	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Acenaphthene	25000		20000	230	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Acenaphthylene	32000		20000	160	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Acetophenone	ND		20000	1000	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Anthracene	52000		20000	500	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Atrazine	ND *		20000	870	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Benzaldehyde	ND		20000	2200	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Benzo(a)anthracene	50000		20000	340	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Benzo(a)pyrene	43000		20000	470	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Benzo(b)fluoranthene	36000		20000	380	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Benzo(g,h,i)perylene	19000	J	20000	240	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Benzo(k)fluoranthene	24000		20000	220	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Bis(2-chloroethoxy)methane	ND		20000	1100	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Bis(2-chloroethyl)ether	ND		20000	1700	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Bis(2-ethylhexyl) phthalate	ND		20000	6300	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Butyl benzyl phthalate	ND		20000	5300	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Caprolactam	ND		20000	8500	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Carbazole	5400	J	20000	230	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Chrysene	43000		20000	200	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Di-n-butyl phthalate	ND		20000	6800	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Di-n-octyl phthalate	ND		20000	460	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Client Sample ID: AREA 4,7,9,COMPOSITE

Lab Sample ID: 480-6192-2

Date Collected: 06/15/11 15:00

Matrix: Solid

Date Received: 06/16/11 09:20

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	6500	J	20000	230	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Dibenzofuran	17000	J	20000	200	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Diethyl phthalate	ND		20000	590	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Dimethyl phthalate	ND		20000	510	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Fluoranthene	83000		20000	280	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Fluorene	37000		20000	450	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Hexachlorobenzene	ND		20000	980	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Hexachlorobutadiene	ND		20000	1000	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Hexachlorocyclopentadiene	ND		20000	5900	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Hexachloroethane	ND		20000	1500	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Indeno(1,2,3-cd)pyrene	18000	J	20000	540	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Isophorone	ND		20000	980	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
N-Nitrosodi-n-propylamine	ND		20000	1600	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
N-Nitrosodiphenylamine	ND	*	20000	1100	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Naphthalene	23000		20000	330	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Nitrobenzene	ND		20000	870	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Pentachlorophenol	ND		38000	6700	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Phenanthrene	240000		20000	410	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Phenol	ND		20000	2100	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100
Pyrene	81000		20000	130	ug/Kg	☼	06/17/11 18:05	06/20/11 16:36	100

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	68		39 - 146	06/17/11 18:05	06/20/11 16:36	100
2-Fluorobiphenyl	111		37 - 120	06/17/11 18:05	06/20/11 16:36	100
2-Fluorophenol	84		18 - 120	06/17/11 18:05	06/20/11 16:36	100
Nitrobenzene-d5	85		34 - 132	06/17/11 18:05	06/20/11 16:36	100
p-Terphenyl-d14	116		58 - 147	06/17/11 18:05	06/20/11 16:36	100
Phenol-d5	87		11 - 120	06/17/11 18:05	06/20/11 16:36	100

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	28		14	1.7	mg/Kg	☼	06/23/11 09:31	06/23/11 10:57	10

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	79		46 - 156	06/23/11 09:31	06/23/11 10:57	10

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3900		380	120	mg/Kg	☼	06/17/11 18:17	06/20/11 16:20	20

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	278	X	46 - 148	06/17/11 18:17	06/20/11 16:20	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		240	47	ug/Kg	☼	06/17/11 18:27	06/18/11 15:08	1
PCB-1221	ND		240	47	ug/Kg	☼	06/17/11 18:27	06/18/11 15:08	1
PCB-1232	ND		240	47	ug/Kg	☼	06/17/11 18:27	06/18/11 15:08	1
PCB-1242	ND		240	53	ug/Kg	☼	06/17/11 18:27	06/18/11 15:08	1
PCB-1248	ND		240	48	ug/Kg	☼	06/17/11 18:27	06/18/11 15:08	1
PCB-1254	ND		240	51	ug/Kg	☼	06/17/11 18:27	06/18/11 15:08	1
PCB-1260	ND		240	110	ug/Kg	☼	06/17/11 18:27	06/18/11 15:08	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Client Sample ID: AREA 4,7,9,COMPOSITE

Date Collected: 06/15/11 15:00

Date Received: 06/16/11 09:20

Lab Sample ID: 480-6192-2

Matrix: Solid

Percent Solids: 85.8

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		34 - 148	06/17/11 18:27	06/18/11 15:08	1
Tetrachloro-m-xylene	57		35 - 134	06/17/11 18:27	06/18/11 15:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	34.4		1.1	0.54	mg/Kg	☼	06/23/11 10:20	06/23/11 14:40	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Total Sulfur	0.060		0.019	0.019	% by dwt	☼	06/23/11 09:00	06/23/11 13:27	1

Client Sample ID: MMA/DECON SUMP

Date Collected: 06/15/11 14:00

Date Received: 06/16/11 09:20

Lab Sample ID: 480-6192-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			06/18/11 18:41	4
Methylene Chloride	ND		4.0	1.8	ug/L			06/18/11 18:41	4
Tetrachloroethene	ND		4.0	1.4	ug/L			06/18/11 18:41	4
Trichloroethene	ND		4.0	1.8	ug/L			06/18/11 18:41	4

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		66 - 137		06/18/11 18:41	4
Toluene-d8 (Surr)	102		71 - 126		06/18/11 18:41	4
4-Bromofluorobenzene (Surr)	96		73 - 120		06/18/11 18:41	4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2.7		0.20	0.060	mg/L		06/22/11 09:00	06/22/11 14:12	1
Arsenic	0.0081	J	0.010	0.0056	mg/L		06/22/11 09:00	06/22/11 14:12	1
Beryllium	ND		0.0020	0.00030	mg/L		06/22/11 09:00	06/22/11 14:12	1
Cadmium	0.00053	J	0.0010	0.00033	mg/L		06/22/11 09:00	06/22/11 14:12	1
Calcium	120		0.50	0.10	mg/L		06/22/11 09:00	06/22/11 14:12	1
Chromium	0.0052		0.0040	0.00087	mg/L		06/22/11 09:00	06/22/11 14:12	1
Copper	0.034		0.010	0.0015	mg/L		06/22/11 09:00	06/22/11 14:12	1
Lead	0.039		0.0050	0.0030	mg/L		06/22/11 09:00	06/22/11 14:12	1
Nickel	0.0085	J	0.010	0.0013	mg/L		06/22/11 09:00	06/22/11 14:12	1
Selenium	ND		0.015	0.0087	mg/L		06/22/11 09:00	06/22/11 14:12	1
Silver	ND		0.0030	0.0017	mg/L		06/22/11 09:00	06/22/11 14:12	1
Zinc	0.030		0.010	0.0017	mg/L		06/22/11 09:00	06/22/11 14:12	1
Molybdenum	0.0078	J	0.010	0.0036	mg/L		06/22/11 09:00	06/22/11 14:12	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		06/20/11 09:40	06/20/11 18:44	1
Arsenic	0.0058	J	0.010	0.0056	mg/L		06/20/11 09:40	06/20/11 18:44	1
Beryllium	ND		0.0020	0.00030	mg/L		06/20/11 09:40	06/20/11 18:44	1
Calcium	83.6	B	0.50	0.10	mg/L		06/20/11 09:40	06/20/11 18:44	1
Cadmium	ND		0.0010	0.00033	mg/L		06/20/11 09:40	06/20/11 18:44	1
Chromium	0.0022	J	0.0040	0.00087	mg/L		06/20/11 09:40	06/20/11 18:44	1
Copper	0.0054	J	0.010	0.0015	mg/L		06/20/11 09:40	06/20/11 18:44	1
Lead	0.0066		0.0050	0.0030	mg/L		06/20/11 09:40	06/20/11 18:44	1
Molybdenum	0.0095	J	0.010	0.0036	mg/L		06/20/11 09:40	06/20/11 18:44	1

TestAmerica Buffalo

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Client Sample ID: MMA/DECON SUMP

Date Collected: 06/15/11 14:00

Date Received: 06/16/11 09:20

Lab Sample ID: 480-6192-3

Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.0055	J	0.010	0.0013	mg/L		06/20/11 09:40	06/20/11 18:44	1
Selenium	ND		0.015	0.0087	mg/L		06/20/11 09:40	06/20/11 18:44	1
Silver	ND		0.0030	0.0017	mg/L		06/20/11 09:40	06/20/11 18:44	1
Zinc	0.0079	J B	0.010	0.0017	mg/L		06/20/11 09:40	06/20/11 18:44	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/21/11 13:50	06/21/11 19:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Recoverable Phenolics	0.56		0.050	0.025	mg/L		06/23/11 18:03	06/24/11 12:44	5
Total Cyanide	1.6		0.050	0.025	mg/L		06/18/11 11:00	06/21/11 14:30	5
Chloride	37.6	B	1.0	0.46	mg/L			06/18/11 15:37	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	0.43		0.050	0.025	mg/L		06/22/11 21:43	06/23/11 10:34	5
Chloride	31.9	B	1.0	0.46	mg/L			06/23/11 11:17	1

Client Sample ID: TRIP BLANK

Date Collected: 06/15/11 15:20

Date Received: 06/16/11 09:20

Lab Sample ID: 480-6192-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/18/11 19:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/18/11 19:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/18/11 19:06	1
Trichloroethene	ND		1.0	0.46	ug/L			06/18/11 19:06	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		66 - 137		06/18/11 19:06	1
Toluene-d8 (Surr)	107		71 - 126		06/18/11 19:06	1
4-Bromofluorobenzene (Surr)	99		73 - 120		06/18/11 19:06	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (64-126)	TOL (71-125)	BFB (72-126)
480-6192-2	AREA 4,7,9,COMPOSITE	103	98	101
LCS 480-20560/27	Lab Control Sample	102	111	107
MB 480-20560/5	Method Blank	100	109	106

Surrogate Legend

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
LCS 480-20589/4	Lab Control Sample	105	104	99

Surrogate Legend

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-6192-1	SANITARY LINE IMPACTS (AREA 1)	104	99	91
LB 480-20384/1-A LB	Method Blank	113	112	104

Surrogate Legend

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-6192-3	MMA/DECON SUMP	108	102	96
480-6192-4	TRIP BLANK	111	107	99
MB 480-20589/5	Method Blank	102	103	95

Surrogate Legend

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

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (39-146)	FBP (37-120)	2FP (18-120)	NBZ (34-132)	TPH (58-147)	PHL (11-120)
480-6192-2	AREA 4,7,9,COMPOSITE	68	111	84	85	116	87
LCS 480-20547/2-A	Lab Control Sample	135	108	94	90	126	101
LCSD 480-20547/3-A	Lab Control Sample Dup	137	107	103	94	128	108
MB 480-20547/1-A	Method Blank	114	90	80	76	112	91

Surrogate Legend

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

Method: 8270C - 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 (24-136)	PHL (16-120)
LCS 480-20663/2-A	Lab Control Sample	124	83	52	74	105	39
LCSD 480-20663/3-A	Lab Control Sample Dup	131	85	48	71	109	38
MB 480-20663/1-A	Method Blank	118	71	43	61	104	34

Surrogate Legend

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

Method: 8270C - 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 (24-136)	PHL (16-120)
480-6192-1	SANITARY LINE IMPACTS (AREA 1)	121	78	40	69	84	33
LB 480-20385/1-C LB	Method Blank	127	82	51	74	109	37

Surrogate Legend

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

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)						
		TFT2						
Lab Sample ID	Client Sample ID	(46-156)						
480-6192-2	AREA 4,7,9,COMPOSITE	79						
LCS 480-21207/2-A	Lab Control Sample	93						
MB 480-21207/1-A	Method Blank	84						
Surrogate Legend								
TFT = a,a,a-Trifluorotoluene								

Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		OTPH1					
Lab Sample ID	Client Sample ID	(46-148)					
480-6192-2	AREA 4,7,9,COMPOSITE	278 X					
LCS 480-20550/2-A	Lab Control Sample	103					
LCSD 480-20550/3-A	Lab Control Sample Dup	97					
MB 480-20550/1-A	Method Blank	87					
Surrogate Legend							
OTPH = o-Terphenyl							

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		DCB1	TCX1				
Lab Sample ID	Client Sample ID	(15-139)	(30-139)				
LCS 480-20685/2-A	Lab Control Sample	58	63				
LCSD 480-20685/3-A	Lab Control Sample Dup	57	67				
MB 480-20685/1-A	Method Blank	67	74				
Surrogate Legend							
DCB = DCB Decachlorobiphenyl							
TCX = Tetrachloro-m-xylene							

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)					
		DCB1	TCX1				
Lab Sample ID	Client Sample ID	(15-139)	(30-139)				
480-6192-1	SANITARY LINE IMPACTS (AREA 1)	64	68				
LB 480-20385/1-D LB	Method Blank	58	69				
Surrogate Legend							
DCB = DCB Decachlorobiphenyl							
TCX = Tetrachloro-m-xylene							

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterization

TestAmerica Job ID: 480-6192-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCB1 (34-148)	TCX1 (35-134)
480-6192-1	SANITARY LINE IMPACTS (AREA 1)	96	72
480-6192-2	AREA 4,7,9,COMPOSITE	76	57
480-6192-A-1-E MS	480-6192-A-1-E MS	111	88
480-6192-A-1-F MSD	480-6192-A-1-F MSD	112	92
LCS 480-20551/2-A	Lab Control Sample	127	125
LCS 480-21490/2-A	Lab Control Sample	109	89
LCSD 480-21490/3-A	Lab Control Sample Dup	109	87
MB 480-20551/1-A	Method Blank	107	106
MB 480-21490/1-A	Method Blank	109	78
Surrogate Legend			
DCB = DCB Decachlorobiphenyl			
TCX = Tetrachloro-m-xylene			

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPA1 (19-128)	
LCS 480-20791/2-A	Lab Control Sample	95	
LCSD 480-20791/3-A	Lab Control Sample Dup	100	
MB 480-20791/1-A	Method Blank	81	
Surrogate Legend			
DCPA = 2,4-Dichlorophenylacetic acid			

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: TCLP

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPA1 (19-128)	
480-6192-1	SANITARY LINE IMPACTS (AREA 1)	41	
LB 480-20385/1-F LB	Method Blank	42	
Surrogate Legend			
DCPA = 2,4-Dichlorophenylacetic acid			

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-20560/5

Matrix: Solid

Analysis Batch: 20560

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	Result	MB MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			06/18/11 00:13	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			06/18/11 00:13	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			06/18/11 00:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			06/18/11 00:13	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			06/18/11 00:13	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			06/18/11 00:13	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			06/18/11 00:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			06/18/11 00:13	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			06/18/11 00:13	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			06/18/11 00:13	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			06/18/11 00:13	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			06/18/11 00:13	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			06/18/11 00:13	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			06/18/11 00:13	1
2-Hexanone	ND		25	2.5	ug/Kg			06/18/11 00:13	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			06/18/11 00:13	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			06/18/11 00:13	1
Acetone	ND		25	4.2	ug/Kg			06/18/11 00:13	1
Benzene	ND		5.0	0.25	ug/Kg			06/18/11 00:13	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			06/18/11 00:13	1
Bromoform	ND		5.0	2.5	ug/Kg			06/18/11 00:13	1
Bromomethane	ND		5.0	0.45	ug/Kg			06/18/11 00:13	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			06/18/11 00:13	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			06/18/11 00:13	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			06/18/11 00:13	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			06/18/11 00:13	1
Chloroethane	ND		5.0	1.1	ug/Kg			06/18/11 00:13	1
Chloroform	ND		5.0	0.31	ug/Kg			06/18/11 00:13	1
Chloromethane	ND		5.0	0.30	ug/Kg			06/18/11 00:13	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			06/18/11 00:13	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			06/18/11 00:13	1
Cyclohexane	ND		5.0	0.70	ug/Kg			06/18/11 00:13	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			06/18/11 00:13	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			06/18/11 00:13	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			06/18/11 00:13	1
Methyl acetate	ND		5.0	0.93	ug/Kg			06/18/11 00:13	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			06/18/11 00:13	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			06/18/11 00:13	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			06/18/11 00:13	1
Styrene	ND		5.0	0.25	ug/Kg			06/18/11 00:13	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg			06/18/11 00:13	1
Toluene	ND		5.0	0.38	ug/Kg			06/18/11 00:13	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			06/18/11 00:13	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			06/18/11 00:13	1
Trichloroethene	ND		5.0	1.1	ug/Kg			06/18/11 00:13	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			06/18/11 00:13	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			06/18/11 00:13	1
Xylenes, Total	ND		10	0.84	ug/Kg			06/18/11 00:13	1

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: MB 480-20560/5

Matrix: Solid

Analysis Batch: 20560

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB			
Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed
1,2-Dichloroethane-d4 (Surr)	100		64 - 126		06/18/11 00:13
Toluene-d8 (Surr)	109		71 - 125		06/18/11 00:13
4-Bromofluorobenzene (Surr)	106		72 - 126		06/18/11 00:13

Lab Sample ID: LCS 480-20560/27

Matrix: Solid

Analysis Batch: 20560

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS					% Rec.
	Added	Result	Qualifier	Unit	D	% Rec	Limits	
1,1-Dichloroethane	50.0	45.1		ug/Kg		90	79 - 126	
1,1-Dichloroethene	50.0	46.2		ug/Kg		92	65 - 153	
1,2-Dichlorobenzene	50.0	48.0		ug/Kg		96	75 - 120	
1,2-Dichloroethane	50.0	48.0		ug/Kg		96	77 - 122	
Benzene	50.0	44.1		ug/Kg		88	79 - 127	
Chlorobenzene	50.0	53.0		ug/Kg		106	76 - 124	
cis-1,2-Dichloroethene	50.0	44.5		ug/Kg		89	81 - 117	
Ethylbenzene	50.0	53.0		ug/Kg		106	80 - 120	
Methyl tert-butyl ether	50.0	42.7		ug/Kg		85	63 - 125	
Tetrachloroethene	50.0	55.5		ug/Kg		111	74 - 122	
Toluene	50.0	52.0		ug/Kg		104	74 - 128	
trans-1,2-Dichloroethene	50.0	46.1		ug/Kg		92	78 - 126	
Trichloroethene	50.0	47.1		ug/Kg		94	77 - 129	

	LCS	LCS	
Surrogate	% Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
Toluene-d8 (Surr)	111		71 - 125
4-Bromofluorobenzene (Surr)	107		72 - 126

Lab Sample ID: MB 480-20589/5

Matrix: Water

Analysis Batch: 20589

Client Sample ID: Method Blank

Prep Type: Total/NA

	MB	MB						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/18/11 10:18
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			06/18/11 10:18
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			06/18/11 10:18
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			06/18/11 10:18
Benzene	ND		0.0010	0.00041	mg/L			06/18/11 10:18
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			06/18/11 10:18
Chlorobenzene	ND		0.0010	0.00075	mg/L			06/18/11 10:18
Chloroform	ND		0.0010	0.00034	mg/L			06/18/11 10:18
Methylene Chloride	ND		1.0	0.44	ug/L			06/18/11 10:18
Tetrachloroethene	ND		0.0010	0.00036	mg/L			06/18/11 10:18
Trichloroethene	ND		0.0010	0.00046	mg/L			06/18/11 10:18
Vinyl chloride	ND		0.0010	0.00090	mg/L			06/18/11 10:18

	MB	MB			
Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed
1,2-Dichloroethane-d4 (Surr)	102		66 - 137		06/18/11 10:18
Toluene-d8 (Surr)	103		71 - 126		06/18/11 10:18

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: MB 480-20589/5

Matrix: Water

Analysis Batch: 20589

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB % Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		73 - 120		06/18/11 10:18	1

Lab Sample ID: LCS 480-20589/4

Matrix: Solid

Analysis Batch: 20589

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	0.0242		mg/L		97	65 - 138
1,2-Dichloroethane	0.0250	0.0259		mg/L		104	75 - 127
Benzene	0.0250	0.0251		mg/L		100	71 - 124
Chlorobenzene	0.0250	0.0229		mg/L		92	72 - 120
Tetrachloroethene	0.0250	0.0232		mg/L		93	74 - 122
Trichloroethene	0.0250	0.0242		mg/L		97	74 - 123

Surrogate	LCS LCS % Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
Toluene-d8 (Surr)	104		71 - 126
4-Bromofluorobenzene (Surr)	99		73 - 120

Lab Sample ID: LB 480-20384/1-A LB

Matrix: Solid

Analysis Batch: 20589

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB LB Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			06/18/11 11:08	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			06/18/11 11:08	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			06/18/11 11:08	10
Benzene	ND		0.010	0.0041	mg/L			06/18/11 11:08	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			06/18/11 11:08	10
Chlorobenzene	ND		0.010	0.0075	mg/L			06/18/11 11:08	10
Chloroform	ND		0.010	0.0034	mg/L			06/18/11 11:08	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			06/18/11 11:08	10
Trichloroethene	ND		0.010	0.0046	mg/L			06/18/11 11:08	10
Vinyl chloride	ND		0.010	0.0090	mg/L			06/18/11 11:08	10

Surrogate	LB LB % Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		66 - 137		06/18/11 11:08	10
Toluene-d8 (Surr)	112		71 - 126		06/18/11 11:08	10
4-Bromofluorobenzene (Surr)	104		73 - 120		06/18/11 11:08	10

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

Lab Sample ID: MB 480-20547/1-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20547

Analyte	MB MB Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	10	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
bis (2-chloroisopropyl) ether	ND		170	18	ug/Kg		06/17/11 18:05	06/20/11 12:16	1

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: MB 480-20547/1-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20547

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		170	8.8	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
2,4-Dimethylphenol	ND		170	45	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
2,4-Dinitrophenol	ND		330	59	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
2,4-Dinitrotoluene	ND		170	26	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
2,6-Dinitrotoluene	ND		170	41	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
2-Chloronaphthalene	ND		170	11	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
2-Chlorophenol	ND		170	8.6	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
2,4,5-Trichlorophenol	ND		170	37	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
2-Methylnaphthalene	ND		170	2.0	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
2,4,6-Trichlorophenol	ND		170	11	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
2-Methylphenol	ND		170	5.2	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
2-Nitroaniline	ND		330	54	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
2-Nitrophenol	ND		170	7.7	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
3,3'-Dichlorobenzidine	ND		170	150	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
3-Nitroaniline	ND		330	39	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
4,6-Dinitro-2-methylphenol	ND		330	58	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
4-Bromophenyl phenyl ether	ND		170	54	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
4-Chloro-3-methylphenol	ND		170	6.9	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
4-Chloroaniline	ND		170	49	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
4-Chlorophenyl phenyl ether	ND		170	3.6	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
4-Methylphenol	ND		330	9.4	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
4-Nitroaniline	ND		330	19	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
4-Nitrophenol	ND		330	41	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Acenaphthene	ND		170	2.0	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Acenaphthylene	ND		170	1.4	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Acetophenone	ND		170	8.6	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Anthracene	ND		170	4.3	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Atrazine	ND		170	7.5	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Benzaldehyde	ND		170	18	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Benzo(a)anthracene	ND		170	2.9	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Benzo(a)pyrene	ND		170	4.1	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Benzo(b)fluoranthene	ND		170	3.3	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Benzo(g,h,i)perylene	ND		170	2.0	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Benzo(k)fluoranthene	ND		170	1.9	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Bis(2-chloroethoxy)methane	ND		170	9.2	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Bis(2-chloroethyl)ether	ND		170	15	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Bis(2-ethylhexyl) phthalate	ND		170	54	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Butyl benzyl phthalate	ND		170	45	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Caprolactam	ND		170	73	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Carbazole	ND		170	1.9	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Chrysene	ND		170	1.7	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Di-n-butyl phthalate	ND		170	58	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Di-n-octyl phthalate	ND		170	3.9	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Dibenz(a,h)anthracene	ND		170	2.0	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Dibenzofuran	ND		170	1.8	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Diethyl phthalate	ND		170	5.1	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Dimethyl phthalate	ND		170	4.4	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Fluoranthene	ND		170	2.4	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Fluorene	ND		170	3.9	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Hexachlorobenzene	ND		170	8.4	ug/Kg		06/17/11 18:05	06/20/11 12:16	1

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: MB 480-20547/1-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20547

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		170	8.6	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Hexachlorocyclopentadiene	ND		170	51	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Hexachloroethane	ND		170	13	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Indeno(1,2,3-cd)pyrene	ND		170	4.7	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Isophorone	ND		170	8.4	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
N-Nitrosodi-n-propylamine	ND		170	13	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
N-Nitrosodiphenylamine	ND		170	9.2	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Naphthalene	ND		170	2.8	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Nitrobenzene	ND		170	7.5	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Pentachlorophenol	ND		330	58	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Phenanthrene	ND		170	3.5	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Phenol	ND		170	18	ug/Kg		06/17/11 18:05	06/20/11 12:16	1
Pyrene	ND		170	1.1	ug/Kg		06/17/11 18:05	06/20/11 12:16	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	114		39 - 146	06/17/11 18:05	06/20/11 12:16	1
2-Fluorobiphenyl	90		37 - 120	06/17/11 18:05	06/20/11 12:16	1
2-Fluorophenol	80		18 - 120	06/17/11 18:05	06/20/11 12:16	1
Nitrobenzene-d5	76		34 - 132	06/17/11 18:05	06/20/11 12:16	1
p-Terphenyl-d14	112		58 - 147	06/17/11 18:05	06/20/11 12:16	1
Phenol-d5	91		11 - 120	06/17/11 18:05	06/20/11 12:16	1

Lab Sample ID: LCS 480-20547/2-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20547

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
2,4-Dinitrotoluene	3330	4040		ug/Kg		121	55 - 125
2-Chlorophenol	3330	3230		ug/Kg		97	38 - 120
4-Chloro-3-methylphenol	3330	3520		ug/Kg		106	49 - 125
4-Nitrophenol	3330	3300		ug/Kg		99	43 - 137
Acenaphthene	3330	3710		ug/Kg		112	53 - 120
Bis(2-ethylhexyl) phthalate	3330	4050		ug/Kg		122	61 - 133
Fluorene	3330	3800		ug/Kg		114	63 - 126
Hexachloroethane	3330	2670		ug/Kg		80	41 - 120
N-Nitrosodi-n-propylamine	3330	3320		ug/Kg		100	46 - 120
Pentachlorophenol	3330	4070		ug/Kg		122	33 - 136
Phenol	3330	3270		ug/Kg		98	36 - 120
Pyrene	3330	3880		ug/Kg		117	51 - 133

Surrogate	LCS % Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	135		39 - 146
2-Fluorobiphenyl	108		37 - 120
2-Fluorophenol	94		18 - 120
Nitrobenzene-d5	90		34 - 132
p-Terphenyl-d14	126		58 - 147
Phenol-d5	101		11 - 120

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: LCSD 480-20547/3-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20547

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec.		RPD	
							Limits		RPD	Limit
2,4-Dinitrotoluene	3310	4000		ug/Kg		121	55 - 125		1	20
2-Chlorophenol	3310	3420		ug/Kg		104	38 - 120		6	25
4-Chloro-3-methylphenol	3310	3570		ug/Kg		108	49 - 125		1	27
4-Nitrophenol	3310	3250		ug/Kg		98	43 - 137		1	25
Acenaphthene	3310	3660		ug/Kg		111	53 - 120		1	35
Bis(2-ethylhexyl) phthalate	3310	4030		ug/Kg		122	61 - 133		0	15
Fluorene	3310	3710		ug/Kg		112	63 - 126		2	15
Hexachloroethane	3310	2860		ug/Kg		86	41 - 120		7	46
N-Nitrosodi-n-propylamine	3310	3410		ug/Kg		103	46 - 120		3	31
Pentachlorophenol	3310	4070		ug/Kg		123	33 - 136		0	35
Phenol	3310	3460		ug/Kg		105	36 - 120		6	35
Pyrene	3310	3950		ug/Kg		119	51 - 133		2	35

Surrogate	LCSD LCSD		Limits
	% Recovery	Qualifier	
2,4,6-Tribromophenol	137		39 - 146
2-Fluorobiphenyl	107		37 - 120
2-Fluorophenol	103		18 - 120
Nitrobenzene-d5	94		34 - 132
p-Terphenyl-d14	128		58 - 147
Phenol-d5	108		11 - 120

Lab Sample ID: MB 480-20663/1-A

Matrix: Solid

Analysis Batch: 20829

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20663

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dichlorobenzene	ND		0.0025	0.00012	mg/L		06/20/11 08:53	06/21/11 10:29	1
3-Methylphenol	ND		0.0025	0.00010	mg/L		06/20/11 08:53	06/21/11 10:29	1
2,4-Dinitrotoluene	ND		0.0013	0.00011	mg/L		06/20/11 08:53	06/21/11 10:29	1
Pyridine	ND		0.0063	0.00010	mg/L		06/20/11 08:53	06/21/11 10:29	1
2,4,5-Trichlorophenol	ND		0.0013	0.00012	mg/L		06/20/11 08:53	06/21/11 10:29	1
2,4,6-Trichlorophenol	ND		0.0013	0.00015	mg/L		06/20/11 08:53	06/21/11 10:29	1
2-Methylphenol	ND		0.0013	0.00010	mg/L		06/20/11 08:53	06/21/11 10:29	1
4-Methylphenol	ND		0.0025	0.000090	mg/L		06/20/11 08:53	06/21/11 10:29	1
Hexachlorobenzene	ND		0.0013	0.00013	mg/L		06/20/11 08:53	06/21/11 10:29	1
Hexachlorobutadiene	ND		0.0013	0.00017	mg/L		06/20/11 08:53	06/21/11 10:29	1
Hexachloroethane	ND		0.0013	0.00015	mg/L		06/20/11 08:53	06/21/11 10:29	1
Nitrobenzene	ND		0.0013	0.000073	mg/L		06/20/11 08:53	06/21/11 10:29	1
Pentachlorophenol	ND		0.0025	0.00055	mg/L		06/20/11 08:53	06/21/11 10:29	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
2,4,6-Tribromophenol	118		52 - 132	06/20/11 08:53	06/21/11 10:29	1
2-Fluorobiphenyl	71		48 - 120	06/20/11 08:53	06/21/11 10:29	1
2-Fluorophenol	43		20 - 120	06/20/11 08:53	06/21/11 10:29	1
Nitrobenzene-d5	61		46 - 120	06/20/11 08:53	06/21/11 10:29	1
p-Terphenyl-d14	104		24 - 136	06/20/11 08:53	06/21/11 10:29	1
Phenol-d5	34		16 - 120	06/20/11 08:53	06/21/11 10:29	1

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: LCS 480-20663/2-A

Matrix: Solid

Analysis Batch: 20829

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20663

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
1,4-Dichlorobenzene	0.100	0.0555		mg/L		56	32 - 120	
2,4-Dinitrotoluene	0.100	0.107		mg/L		107	59 - 125	
Hexachloroethane	0.100	0.0451		mg/L		45	25 - 120	
Pentachlorophenol	0.100	0.125		mg/L		125	39 - 136	

Surrogate	LCS		Limits
	% Recovery	Qualifier	
2,4,6-Tribromophenol	124		52 - 132
2-Fluorobiphenyl	83		48 - 120
2-Fluorophenol	52		20 - 120
Nitrobenzene-d5	74		46 - 120
p-Terphenyl-d14	105		24 - 136
Phenol-d5	39		16 - 120

Lab Sample ID: LCSD 480-20663/3-A

Matrix: Solid

Analysis Batch: 20829

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20663

Analyte	Spike Added	LCSD		Unit	D	% Rec	% Rec.		RPD	
		Result	Qualifier				Limits		RPD	Limit
1,4-Dichlorobenzene	0.100	0.0486		mg/L		49	32 - 120		13	36
2,4-Dinitrotoluene	0.100	0.110		mg/L		110	59 - 125		2	20
Hexachloroethane	0.100	0.0395		mg/L		40	25 - 120		13	46
Pentachlorophenol	0.100	0.123		mg/L		123	39 - 136		2	37

Surrogate	LCSD		Limits
	% Recovery	Qualifier	
2,4,6-Tribromophenol	131		52 - 132
2-Fluorobiphenyl	85		48 - 120
2-Fluorophenol	48		20 - 120
Nitrobenzene-d5	71		46 - 120
p-Terphenyl-d14	109		24 - 136
Phenol-d5	38		16 - 120

Lab Sample ID: LB 480-20385/1-C LB

Matrix: Solid

Analysis Batch: 20829

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 20663

Analyte	LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		06/20/11 08:53	06/21/11 11:40	1
3-Methylphenol	ND		0.010	0.00040	mg/L		06/20/11 08:53	06/21/11 11:40	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		06/20/11 08:53	06/21/11 11:40	1
Pyridine	ND		0.025	0.00041	mg/L		06/20/11 08:53	06/21/11 11:40	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		06/20/11 08:53	06/21/11 11:40	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		06/20/11 08:53	06/21/11 11:40	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		06/20/11 08:53	06/21/11 11:40	1
4-Methylphenol	ND		0.010	0.00036	mg/L		06/20/11 08:53	06/21/11 11:40	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		06/20/11 08:53	06/21/11 11:40	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		06/20/11 08:53	06/21/11 11:40	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		06/20/11 08:53	06/21/11 11:40	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		06/20/11 08:53	06/21/11 11:40	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		06/20/11 08:53	06/21/11 11:40	1

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: LB 480-20385/1-C LB

Matrix: Solid

Analysis Batch: 20829

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 20663

	LB	LB							
Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
2,4,6-Tribromophenol	127		52 - 132	06/20/11 08:53	06/21/11 11:40	1			
2-Fluorobiphenyl	82		48 - 120	06/20/11 08:53	06/21/11 11:40	1			
2-Fluorophenol	51		20 - 120	06/20/11 08:53	06/21/11 11:40	1			
Nitrobenzene-d5	74		46 - 120	06/20/11 08:53	06/21/11 11:40	1			
p-Terphenyl-d14	109		24 - 136	06/20/11 08:53	06/21/11 11:40	1			
Phenol-d5	37		16 - 120	06/20/11 08:53	06/21/11 11:40	1			

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 480-21207/1-A

Matrix: Solid

Analysis Batch: 21205

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21207

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		1.2	0.15	mg/Kg		06/23/11 09:31	06/23/11 09:33	1
	MB	MB							
Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
a,a,a-Trifluorotoluene	84		46 - 156	06/23/11 09:31	06/23/11 09:33	1			

Lab Sample ID: LCS 480-21207/2-A

Matrix: Solid

Analysis Batch: 21205

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21207

		Spike	LCS	LCS				% Rec.	
Analyte		Added	Result	Qualifier	Unit	D	% Rec	Limits	
GRO (C6-C10)		9.78	10.6		mg/Kg		108	70 - 154	
	LCS	LCS							
Surrogate	% Recovery	Qualifier	Limits						
a,a,a-Trifluorotoluene	93		46 - 156						

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-20550/1-A

Matrix: Solid

Analysis Batch: 20597

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20550

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		16	4.9	mg/Kg		06/17/11 18:17	06/18/11 12:12	1
	MB	MB							
Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-Terphenyl	87		46 - 148	06/17/11 18:17	06/18/11 12:12	1			

Lab Sample ID: LCS 480-20550/2-A

Matrix: Solid

Analysis Batch: 20597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20550

		Spike	LCS	LCS				% Rec.	
Analyte		Added	Result	Qualifier	Unit	D	% Rec	Limits	
Diesel Range Organics [C10-C28]		49.6	50.4		mg/Kg		102	64 - 137	

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 480-20550/2-A

Matrix: Solid

Analysis Batch: 20597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20550

	LCS	LCS	
Surrogate	% Recovery	Qualifier	Limits
o-Terphenyl	103		46 - 148

Lab Sample ID: LCSD 480-20550/3-A

Matrix: Solid

Analysis Batch: 20597

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20550

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	49.1	49.8		mg/Kg		101	64 - 137	1	35

	LCSD	LCSD	
Surrogate	% Recovery	Qualifier	Limits
o-Terphenyl	97		46 - 148

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-20685/1-A

Matrix: Solid

Analysis Batch: 20910

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20685

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.000050	0.000015	mg/L		06/20/11 09:58	06/21/11 11:52	1
Chlordane (technical)	ND		0.00050	0.0000073	mg/L		06/20/11 09:58	06/21/11 11:52	1
Endrin	ND		0.000050	0.0000035	mg/L		06/20/11 09:58	06/21/11 11:52	1
Heptachlor	ND		0.000050	0.0000021	mg/L		06/20/11 09:58	06/21/11 11:52	1
Heptachlor epoxide	ND		0.000050	0.0000013	mg/L		06/20/11 09:58	06/21/11 11:52	1
Methoxychlor	ND		0.000050	0.0000035	mg/L		06/20/11 09:58	06/21/11 11:52	1
Toxaphene	ND		0.00050	0.000030	mg/L		06/20/11 09:58	06/21/11 11:52	1

	MB	MB					Prepared	Analyzed	Dil Fac
Surrogate	% Recovery	Qualifier	Limits						
DCB Decachlorobiphenyl	67		15 - 139				06/20/11 09:58	06/21/11 11:52	1
Tetrachloro-m-xylene	74		30 - 139				06/20/11 09:58	06/21/11 11:52	1

Lab Sample ID: LCS 480-20685/2-A

Matrix: Solid

Analysis Batch: 20910

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20685

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
gamma-BHC (Lindane)	0.000500	0.000392		mg/L		78	53 - 120
Endrin	0.000500	0.000430		mg/L		86	43 - 134
Heptachlor	0.000500	0.000372		mg/L		74	52 - 120
Heptachlor epoxide	0.000500	0.000424		mg/L		85	53 - 120
Methoxychlor	0.000500	0.000468		mg/L		94	52 - 142

	LCS	LCS	
Surrogate	% Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	58		15 - 139
Tetrachloro-m-xylene	63		30 - 139

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 480-20685/3-A

Matrix: Solid

Analysis Batch: 20910

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20685

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
gamma-BHC (Lindane)	0.000500	0.000397		mg/L		79	53 - 120	1	24
Endrin	0.000500	0.000436		mg/L		87	43 - 134	1	24
Heptachlor	0.000500	0.000387		mg/L		77	52 - 120	4	25
Heptachlor epoxide	0.000500	0.000432		mg/L		86	53 - 120	2	23
Methoxychlor	0.000500	0.000476		mg/L		95	52 - 142	2	26

Surrogate	LCSD % Recovery	LCSD Qualifier	LCSD Limits
DCB Decachlorobiphenyl	57		15 - 139
Tetrachloro-m-xylene	67		30 - 139

Lab Sample ID: LB 480-20385/1-D LB

Matrix: Solid

Analysis Batch: 20910

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 20685

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		06/20/11 09:58	06/21/11 13:58	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		06/20/11 09:58	06/21/11 13:58	1
Endrin	ND		0.00020	0.000014	mg/L		06/20/11 09:58	06/21/11 13:58	1
Heptachlor	ND		0.00020	0.0000085	mg/L		06/20/11 09:58	06/21/11 13:58	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		06/20/11 09:58	06/21/11 13:58	1
Methoxychlor	ND		0.00020	0.000014	mg/L		06/20/11 09:58	06/21/11 13:58	1
Toxaphene	ND		0.0020	0.00012	mg/L		06/20/11 09:58	06/21/11 13:58	1

Surrogate	LB % Recovery	LB Qualifier	LB Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		15 - 139	06/20/11 09:58	06/21/11 13:58	1
Tetrachloro-m-xylene	69		30 - 139	06/20/11 09:58	06/21/11 13:58	1

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

Lab Sample ID: MB 480-20551/1-A

Matrix: Solid

Analysis Batch: 20587

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		230	46	ug/Kg		06/17/11 18:27	06/18/11 13:48	1
PCB-1221	ND		230	46	ug/Kg		06/17/11 18:27	06/18/11 13:48	1
PCB-1232	ND		230	46	ug/Kg		06/17/11 18:27	06/18/11 13:48	1
PCB-1242	ND		230	51	ug/Kg		06/17/11 18:27	06/18/11 13:48	1
PCB-1248	ND		230	46	ug/Kg		06/17/11 18:27	06/18/11 13:48	1
PCB-1254	ND		230	50	ug/Kg		06/17/11 18:27	06/18/11 13:48	1
PCB-1260	ND		230	110	ug/Kg		06/17/11 18:27	06/18/11 13:48	1

Surrogate	MB % Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	107		34 - 148	06/17/11 18:27	06/18/11 13:48	1
Tetrachloro-m-xylene	106		35 - 134	06/17/11 18:27	06/18/11 13:48	1

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: LCS 480-20551/2-A

Matrix: Solid

Analysis Batch: 20587

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.
							Limits
PCB-1016	2430	2380		ug/Kg		98	59 - 154
PCB-1260	2430	2840		ug/Kg		117	51 - 179
Surrogate	LCS % Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl	127		34 - 148				
Tetrachloro-m-xylene	125		35 - 134				

Lab Sample ID: 480-6192-A-1-E MS

Matrix: Solid

Analysis Batch: 20587

Client Sample ID: 480-6192-A-1-E MS

Prep Type: Total/NA

Prep Batch: 20551

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.		
	Result	Qualifier	Added	Result	Qualifier				Limits		
PCB-1016	ND		2690	2890		ug/Kg	☼	107	59 - 154		
PCB-1260	ND		2690	2520		ug/Kg	☼	94	51 - 179		
Surrogate	MS	MS									
	% Recovery	Qualifier	Limits								
DCB Decachlorobiphenyl	111		34 - 148								
Tetrachloro-m-xylene	88		35 - 134								

Lab Sample ID: 480-6192-A-1-F MSD

Matrix: Solid

Analysis Batch: 20587

Client Sample ID: 480-6192-A-1-F MSD

Prep Type: Total/NA

Prep Batch: 20551

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
PCB-1016	ND		2520	2350		ug/Kg	☼	93	59 - 154	21	50
PCB-1260	ND		2520	3190		ug/Kg	☼	127	51 - 179	24	50
Surrogate	MSD	MSD									
	% Recovery	Qualifier	Limits								
DCB Decachlorobiphenyl	112		34 - 148								
Tetrachloro-m-xylene	92		35 - 134								

Lab Sample ID: MB 480-21490/1-A

Matrix: Solid

Analysis Batch: 21547

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21490

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		16	3.2	ug/Kg		06/24/11 15:19	06/25/11 16:13	1
PCB-1221	ND		16	3.2	ug/Kg		06/24/11 15:19	06/25/11 16:13	1
PCB-1232	ND		16	3.2	ug/Kg		06/24/11 15:19	06/25/11 16:13	1
PCB-1242	ND		16	3.2	ug/Kg		06/24/11 15:19	06/25/11 16:13	1
PCB-1248	ND		16	3.2	ug/Kg		06/24/11 15:19	06/25/11 16:13	1
PCB-1254	ND		16	7.6	ug/Kg		06/24/11 15:19	06/25/11 16:13	1
PCB-1260	ND		16	7.6	ug/Kg		06/24/11 15:19	06/25/11 16:13	1
		MB	MB						
Surrogate	% Recovery	Qualifier	Limits	Prepared		Analyzed		Dil Fac	
DCB Decachlorobiphenyl	109		34 - 148	06/24/11 15:19		06/25/11 16:13		1	
Tetrachloro-m-xylene	78		35 - 134	06/24/11 15:19		06/25/11 16:13		1	

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: LCS 480-21490/2-A

Matrix: Solid

Analysis Batch: 21547

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21490

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
PCB-1016	163	168		ug/Kg		103	59 - 154
PCB-1260	163	173		ug/Kg		106	51 - 179
Surrogate	% Recovery	LCS Qualifier	LCS	Limits			
DCB Decachlorobiphenyl	109			34 - 148			
Tetrachloro-m-xylene	89			35 - 134			

Lab Sample ID: LCSD 480-21490/3-A

Matrix: Solid

Analysis Batch: 21547

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21490

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
PCB-1016	165	171		ug/Kg		103	59 - 154	2	50
PCB-1260	165	177		ug/Kg		107	51 - 179	3	50
Surrogate	% Recovery	LCSD Qualifier	LCSD	Limits					
DCB Decachlorobiphenyl	109			34 - 148					
Tetrachloro-m-xylene	87			35 - 134					

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-20791/1-A

Matrix: Solid

Analysis Batch: 20892

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20791

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00050	0.000090	mg/L		06/20/11 18:31	06/21/11 15:45	1
2,4-D	ND		0.00050	0.00010	mg/L		06/20/11 18:31	06/21/11 15:45	1
Surrogate	% Recovery	MB Qualifier	MB	Limits	Prepared	Analyzed	Dil Fac		
2,4-Dichlorophenylacetic acid	81			19 - 128	06/20/11 18:31	06/21/11 15:45	1		

Lab Sample ID: LCS 480-20791/2-A

Matrix: Solid

Analysis Batch: 20892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20791

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Silvex (2,4,5-TP)	0.00200	0.00191		mg/L		96	25 - 137
2,4-D	0.00200	0.00203		mg/L		101	32 - 150
Surrogate	% Recovery	LCS Qualifier	LCS	Limits			
2,4-Dichlorophenylacetic acid	95			19 - 128			

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterization

TestAmerica Job ID: 480-6192-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 480-20791/3-A

Matrix: Solid

Analysis Batch: 20892

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20791

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits		RPD	
							25 - 137		2	50
Silvex (2,4,5-TP)	0.00200	0.00187		mg/L		93				
2,4-D	0.00200	0.00195		mg/L		97	32 - 150		4	50
Surrogate										
		LCSD	LCSD							
		% Recovery	Qualifier	Limits						
2,4-Dichlorophenylacetic acid		100		19 - 128						

Lab Sample ID: LB 480-20385/1-F LB

Matrix: Solid

Analysis Batch: 20892

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 20791

Analyte	Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		06/20/11 18:31	06/21/11 17:14	1
2,4-D	ND		0.0020	0.00040	mg/L		06/20/11 18:31	06/21/11 17:14	1
Surrogate									
		LB	LB						
		% Recovery	Qualifier	Limits					
2,4-Dichlorophenylacetic acid		42		19 - 128					
				Prepared	Analyzed	Dil Fac			
				06/20/11 18:31	06/21/11 17:14	1			

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-20656/2-A

Matrix: Solid

Analysis Batch: 20766

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20656

Analyte	Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.0020	0.00070	mg/L		06/20/11 08:20	06/20/11 14:08	1
Arsenic	ND		0.010	0.0056	mg/L		06/20/11 08:20	06/20/11 14:08	1
Cadmium	ND		0.0010	0.00033	mg/L		06/20/11 08:20	06/20/11 14:08	1
Chromium	ND		0.0040	0.00087	mg/L		06/20/11 08:20	06/20/11 14:08	1
Lead	ND		0.0050	0.0030	mg/L		06/20/11 08:20	06/20/11 14:08	1
Selenium	ND		0.015	0.0087	mg/L		06/20/11 08:20	06/20/11 14:08	1
Silver	ND		0.0030	0.0012	mg/L		06/20/11 08:20	06/20/11 14:08	1

Lab Sample ID: LCS 480-20656/3-A

Matrix: Solid

Analysis Batch: 20766

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20656

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits	
							80 - 120	
Barium	1.00	1.11		mg/L		111	80 - 120	
Arsenic	1.00	1.15		mg/L		115	80 - 120	
Cadmium	1.00	1.06		mg/L		106	80 - 120	
Chromium	1.00	1.04		mg/L		104	80 - 120	
Lead	1.00	1.06		mg/L		106	80 - 120	
Selenium	1.00	1.14		mg/L		114	80 - 120	
Silver	1.00	1.07		mg/L		107	80 - 120	

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: MB 480-20967/1-A

Matrix: Water

Analysis Batch: 21110

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20967

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		06/22/11 09:00	06/22/11 13:39	1
Arsenic	ND		0.010	0.0056	mg/L		06/22/11 09:00	06/22/11 13:39	1
Beryllium	ND		0.0020	0.00030	mg/L		06/22/11 09:00	06/22/11 13:39	1
Cadmium	ND		0.0010	0.00033	mg/L		06/22/11 09:00	06/22/11 13:39	1
Calcium	ND		0.50	0.10	mg/L		06/22/11 09:00	06/22/11 13:39	1
Chromium	ND		0.0040	0.00087	mg/L		06/22/11 09:00	06/22/11 13:39	1
Copper	ND		0.010	0.0015	mg/L		06/22/11 09:00	06/22/11 13:39	1
Lead	ND		0.0050	0.0030	mg/L		06/22/11 09:00	06/22/11 13:39	1
Nickel	ND		0.010	0.0013	mg/L		06/22/11 09:00	06/22/11 13:39	1
Selenium	ND		0.015	0.0087	mg/L		06/22/11 09:00	06/22/11 13:39	1
Silver	ND		0.0030	0.0017	mg/L		06/22/11 09:00	06/22/11 13:39	1
Zinc	ND		0.010	0.0017	mg/L		06/22/11 09:00	06/22/11 13:39	1
Molybdenum	ND		0.010	0.0036	mg/L		06/22/11 09:00	06/22/11 13:39	1

Lab Sample ID: LCS 480-20967/2-A

Matrix: Water

Analysis Batch: 21110

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20967

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Aluminum	10.0	9.47		mg/L		95	80 - 120	
Arsenic	0.200	0.200		mg/L		100	80 - 120	
Beryllium	0.200	0.202		mg/L		101	80 - 120	
Cadmium	0.200	0.203		mg/L		102	80 - 120	
Calcium	10.0	9.96		mg/L		100	80 - 120	
Chromium	0.200	0.203		mg/L		102	80 - 120	
Copper	0.200	0.203		mg/L		102	80 - 120	
Lead	0.200	0.200		mg/L		100	80 - 120	
Nickel	0.200	0.199		mg/L		100	80 - 120	
Selenium	0.200	0.209		mg/L		105	80 - 120	
Silver	0.0500	0.0491		mg/L		98	80 - 120	
Zinc	0.200	0.201		mg/L		101	80 - 120	
Molybdenum	0.200	0.202		mg/L		101	80 - 120	

Lab Sample ID: MB 480-20509/1-B

Matrix: Water

Analysis Batch: 20861

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 20535

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		06/20/11 09:40	06/20/11 18:40	1
Arsenic	ND		0.010	0.0056	mg/L		06/20/11 09:40	06/20/11 18:40	1
Beryllium	ND		0.0020	0.00030	mg/L		06/20/11 09:40	06/20/11 18:40	1
Cadmium	ND		0.0010	0.00033	mg/L		06/20/11 09:40	06/20/11 18:40	1
Calcium	0.114	J	0.50	0.10	mg/L		06/20/11 09:40	06/20/11 18:40	1
Chromium	ND		0.0040	0.00087	mg/L		06/20/11 09:40	06/20/11 18:40	1
Copper	ND		0.010	0.0015	mg/L		06/20/11 09:40	06/20/11 18:40	1
Lead	ND		0.0050	0.0030	mg/L		06/20/11 09:40	06/20/11 18:40	1
Nickel	ND		0.010	0.0013	mg/L		06/20/11 09:40	06/20/11 18:40	1
Selenium	ND		0.015	0.0087	mg/L		06/20/11 09:40	06/20/11 18:40	1
Silver	ND		0.0030	0.0017	mg/L		06/20/11 09:40	06/20/11 18:40	1
Zinc	0.00818	J	0.010	0.0017	mg/L		06/20/11 09:40	06/20/11 18:40	1

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: MB 480-20509/1-B

Matrix: Water

Analysis Batch: 20861

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 20535

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	Result	Qualifier					06/20/11 09:40	06/20/11 18:40	1
	ND		0.010	0.0036	mg/L				

Lab Sample ID: LCS 480-20509/2-B

Matrix: Water

Analysis Batch: 20861

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 20535

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec.
	Added	Result	Qualifier				Limits
Aluminum	10.0	9.81		mg/L		98	80 - 120
Arsenic	0.200	0.203		mg/L		101	80 - 120
Beryllium	0.200	0.207		mg/L		103	80 - 120
Cadmium	0.200	0.204		mg/L		102	80 - 120
Calcium	10.0	10.40		mg/L		104	80 - 120
Chromium	0.200	0.205		mg/L		102	80 - 120
Copper	0.200	0.205		mg/L		103	80 - 120
Lead	0.200	0.200		mg/L		100	80 - 120
Nickel	0.200	0.204		mg/L		102	80 - 120
Selenium	0.200	0.208		mg/L		104	80 - 120
Silver	0.0500	0.0509		mg/L		102	80 - 120
Zinc	0.200	0.205		mg/L		103	80 - 120
Molybdenum	0.200	0.206		mg/L		103	80 - 120

Lab Sample ID: 480-6192-3 MS

Matrix: Water

Analysis Batch: 20861

Client Sample ID: MMA/DECON SUMP

Prep Type: Dissolved

Prep Batch: 20535

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Aluminum	ND		10.0	10.13		mg/L		101	75 - 125
Arsenic	0.0058	J	0.200	0.223		mg/L		109	75 - 125
Beryllium	ND		0.200	0.215		mg/L		108	75 - 125
Cadmium	ND		0.200	0.215		mg/L		107	75 - 125
Calcium	83.6	B	10.0	96.52	4	mg/L		130	75 - 125
Chromium	0.0022	J	0.200	0.215		mg/L		106	75 - 125
Copper	0.0054	J	0.200	0.220		mg/L		107	75 - 125
Lead	0.0066		0.200	0.214		mg/L		104	75 - 125
Nickel	0.0055	J	0.200	0.219		mg/L		107	75 - 125
Selenium	ND		0.200	0.223		mg/L		111	75 - 125
Silver	ND		0.0500	0.0528		mg/L		106	75 - 125
Zinc	0.0079	J B	0.200	0.221		mg/L		107	75 - 125
Molybdenum	0.0095	J	0.200	0.224		mg/L		107	75 - 125

Lab Sample ID: 480-6192-3 MSD

Matrix: Water

Analysis Batch: 20861

Client Sample ID: MMA/DECON SUMP

Prep Type: Dissolved

Prep Batch: 20535

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Aluminum	ND		10.0	10.16		mg/L		102	75 - 125	0
Arsenic	0.0058	J	0.200	0.229		mg/L		112	75 - 125	2
Beryllium	ND		0.200	0.215		mg/L		108	75 - 125	0
Cadmium	ND		0.200	0.215		mg/L		107	75 - 125	0
Calcium	83.6	B	10.0	95.20	4	mg/L		116	75 - 125	1

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: 480-6192-3 MSD

Matrix: Water

Analysis Batch: 20861

Client Sample ID: MMA/DECON SUMP

Prep Type: Dissolved

Prep Batch: 20535

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Chromium	0.0022	J	0.200	0.216		mg/L		107	75 - 125	0	20
Copper	0.0054	J	0.200	0.221		mg/L		108	75 - 125	0	20
Lead	0.0066		0.200	0.216		mg/L		105	75 - 125	1	20
Nickel	0.0055	J	0.200	0.222		mg/L		108	75 - 125	1	20
Selenium	ND		0.200	0.223		mg/L		111	75 - 125	0	20
Silver	ND		0.0500	0.0533		mg/L		107	75 - 125	1	20
Zinc	0.0079	J B	0.200	0.220		mg/L		106	75 - 125	1	20
Molybdenum	0.0095	J	0.200	0.225		mg/L		108	75 - 125	0	20

Lab Sample ID: LB 480-20385/1-B LB

Matrix: Solid

Analysis Batch: 20766

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 20656

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Barium	0.112		0.0020	0.00070	mg/L		06/20/11 08:20	06/20/11 14:05	1
Arsenic	ND		0.010	0.0056	mg/L		06/20/11 08:20	06/20/11 14:05	1
Cadmium	0.000350	J	0.0010	0.00033	mg/L		06/20/11 08:20	06/20/11 14:05	1
Chromium	0.00207	J	0.0040	0.00087	mg/L		06/20/11 08:20	06/20/11 14:05	1
Lead	ND		0.0050	0.0030	mg/L		06/20/11 08:20	06/20/11 14:05	1
Selenium	ND		0.015	0.0087	mg/L		06/20/11 08:20	06/20/11 14:05	1
Silver	ND		0.0030	0.0012	mg/L		06/20/11 08:20	06/20/11 14:05	1

Lab Sample ID: 480-6192-1 MS

Matrix: Solid

Analysis Batch: 20766

Client Sample ID: SANITARY LINE IMPACTS (AREA 8)

Prep Type: TCLP

Prep Batch: 20656

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Barium	1.2	B7	1.00	2.15		mg/L		95	75 - 125	
Arsenic	ND		1.00	1.15		mg/L		115	75 - 125	
Cadmium	0.00083	J B	1.00	1.07		mg/L		107	75 - 125	
Chromium	ND		1.00	0.987		mg/L		99	75 - 125	
Lead	0.016		1.00	1.05		mg/L		103	75 - 125	
Selenium	ND		1.00	1.13		mg/L		113	75 - 125	
Silver	ND		1.00	1.05		mg/L		105	75 - 125	

Lab Sample ID: 480-6192-1 MSD

Matrix: Solid

Analysis Batch: 20766

Client Sample ID: SANITARY LINE IMPACTS (AREA 8)

Prep Type: TCLP

Prep Batch: 20656

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Barium	1.2	B7	1.00	2.13		mg/L		94	75 - 125	1	20
Arsenic	ND		1.00	1.14		mg/L		114	75 - 125	1	20
Cadmium	0.00083	J B	1.00	1.07		mg/L		106	75 - 125	1	20
Chromium	ND		1.00	0.976		mg/L		98	75 - 125	1	20
Lead	0.016		1.00	1.05		mg/L		103	75 - 125	0	20
Selenium	ND		1.00	1.12		mg/L		112	75 - 125	1	20
Silver	ND		1.00	1.05		mg/L		105	75 - 125	0	20

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-20721/10-A

Matrix: Solid

Analysis Batch: 20770

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20721

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/20/11 10:45	06/20/11 14:49	1

Lab Sample ID: LCS 480-20721/9-A

Matrix: Solid

Analysis Batch: 20770

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20721

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	0.00668	0.00658		mg/L		99	80 - 120

Lab Sample ID: MB 480-20509/1-C

Matrix: Water

Analysis Batch: 20976

Client Sample ID: Method Blank

Prep Type: Dissolved

Prep Batch: 20896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/21/11 13:50	06/21/11 19:21	1

Lab Sample ID: LCS 480-20509/2-C

Matrix: Water

Analysis Batch: 20976

Client Sample ID: Lab Control Sample

Prep Type: Dissolved

Prep Batch: 20896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	0.00667	0.00653		mg/L		98	80 - 120

Lab Sample ID: 480-6192-3 MS

Matrix: Water

Analysis Batch: 20976

Client Sample ID: MMA/DECON SUMP

Prep Type: Dissolved

Prep Batch: 20896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	ND		0.00667	0.00662		mg/L		99	75 - 125

Lab Sample ID: 480-6192-3 MSD

Matrix: Water

Analysis Batch: 20976

Client Sample ID: MMA/DECON SUMP

Prep Type: Dissolved

Prep Batch: 20896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00662		mg/L		99	75 - 125	0	20

Lab Sample ID: LB 480-20385/1-E LB

Matrix: Solid

Analysis Batch: 20770

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 20721

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/20/11 10:45	06/20/11 14:46	1

Lab Sample ID: 480-6192-1 MS

Matrix: Solid

Analysis Batch: 20770

Client Sample ID: SANITARY LINE IMPACTS (AREA 8)

Prep Type: TCLP

Prep Batch: 20721

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	ND		0.00668	0.00643		mg/L		96	75 - 125

TestAmerica Buffalo

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

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

Lab Sample ID: 480-6192-1 MSD

Matrix: Solid

Analysis Batch: 20770

Client Sample ID: SANITARY LINE IMPACTS (AREA 8)

Prep Type: TCLP

Prep Batch: 20721

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00648		mg/L		97	75 - 125	1	20

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

Lab Sample ID: LCS 480-20579/1

Matrix: Solid

Analysis Batch: 20579

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	81.00		Degrees F		100	97.5 - 102.5

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-21179/1-A

Matrix: Water

Analysis Batch: 21252

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21179

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		06/22/11 21:30	06/23/11 08:12	1

Lab Sample ID: LCS 480-21179/2-A

Matrix: Water

Analysis Batch: 21252

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Phenolics, Total Recoverable	0.100	0.106		mg/L		106	90 - 110

Lab Sample ID: MB 480-21333/2-A

Matrix: Water

Analysis Batch: 21480

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21333

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Recoverable Phenolics	ND		0.010	0.0050	mg/L		06/23/11 18:03	06/24/11 09:21	1

Lab Sample ID: LCS 480-21333/1-A

Matrix: Water

Analysis Batch: 21480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Recoverable Phenolics	0.100	0.0921		mg/L		92	90 - 110

Lab Sample ID: 480-6192-3 DU

Matrix: Water

Analysis Batch: 21252

Client Sample ID: MMA/DECON SUMP

Prep Type: Dissolved

Prep Batch: 21179

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Phenolics, Total Recoverable	0.43		0.269	F	mg/L		47	20

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-20809/1-A

Matrix: Solid

Analysis Batch: 20813

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	0.0030	mg/Kg		06/20/11 15:00	06/20/11 22:36	1

Lab Sample ID: LCS 480-20809/2-A

Matrix: Solid

Analysis Batch: 20813

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Reactive	1000	167.3		mg/Kg		17	10 - 100

Lab Sample ID: 480-6192-1 DU

Matrix: Solid

Analysis Batch: 20813

Client Sample ID: SANITARY LINE IMPACTS (AREA 8)

Prep Type: Total/NA

Prep Batch: 20809

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

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-20620/22-A

Matrix: Water

Analysis Batch: 20933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20620

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	ND		0.010	0.0050	mg/L		06/18/11 11:00	06/21/11 13:44	1

Lab Sample ID: MB 480-20620/2-A

Matrix: Water

Analysis Batch: 20933

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20620

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	ND		0.010	0.0050	mg/L		06/18/11 11:00	06/21/11 13:27	1

Lab Sample ID: LCS 480-20620/21-A

Matrix: Water

Analysis Batch: 20933

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20620

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Cyanide	0.250	0.235		mg/L		94	90 - 110

Lab Sample ID: MB 480-21269/3-A

Matrix: Solid

Analysis Batch: 21281

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Cyanide	ND		0.010	0.0048	mg/Kg		06/23/11 14:11	06/23/11 14:39	1

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Method: 9012A - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: LCS 480-21269/1-A
Matrix: Solid
Analysis Batch: 21281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 21269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Cyanide	0.315	0.357		mg/Kg		113	29 - 122

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-20810/1-A
Matrix: Solid
Analysis Batch: 20812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20810

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	0.57	mg/Kg		06/20/11 15:00	06/20/11 20:05	1

Lab Sample ID: LCS 480-20810/2-A
Matrix: Solid
Analysis Batch: 20812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20810

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Sulfide, Reactive	1000	621.6		mg/Kg		62	10 - 100

Method: 9038 - Sulfur, Total

Lab Sample ID: MB 680-206822/1-A
Matrix: Solid
Analysis Batch: 206823

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206822

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Total Sulfur	ND		0.017	0.017	% by dwt		06/23/11 09:00	06/23/11 13:27	1

Lab Sample ID: LCS 680-206822/2-A
Matrix: Solid
Analysis Batch: 206823

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Percent Total Sulfur	0.173	0.164		% by dwt		95	50 - 120

Method: 9045C - pH

Lab Sample ID: LCS 480-20628/1
Matrix: Solid
Analysis Batch: 20628

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

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterization

TestAmerica Job ID: 480-6192-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 480-20634/61

Matrix: Water

Analysis Batch: 20634

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.511	J	1.0	0.46	mg/L			06/18/11 15:37	1

Lab Sample ID: LCS 480-20634/60

Matrix: Water

Analysis Batch: 20634

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec Limits
Chloride	25.0	25.80		mg/L		103	90 - 110

Lab Sample ID: MB 480-21258/7

Matrix: Water

Analysis Batch: 21258

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.799	J	1.0	0.46	mg/L			06/23/11 11:17	1

Lab Sample ID: LCS 480-21258/6

Matrix: Water

Analysis Batch: 21258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec Limits
Chloride	25.0	26.54		mg/L		106	90 - 110

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

GC/MS VOA

Leach Batch: 20384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-20384/1-A LB	Method Blank	TCLP	Solid	1311	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	1311	

Analysis Batch: 20560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20560/5	Method Blank	Total/NA	Solid	8260B	
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	8260B	
LCS 480-20560/27	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 20589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-20589/4	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-20589/5	Method Blank	Total/NA	Water	8260B	
LB 480-20384/1-A LB	Method Blank	TCLP	Solid	8260B	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	8260B	
480-6192-3	MMA/DECON SUMP	Total/NA	Water	8260B	
480-6192-4	TRIP BLANK	Total/NA	Water	8260B	

GC/MS Semi VOA

Leach Batch: 20385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-20385/1-C LB	Method Blank	TCLP	Solid	1311	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	1311	

Prep Batch: 20547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20547/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 480-20547/2-A	Lab Control Sample	Total/NA	Solid	3550B	
LCSD 480-20547/3-A	Lab Control Sample Dup	Total/NA	Solid	3550B	
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	3550B	

Analysis Batch: 20655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20547/1-A	Method Blank	Total/NA	Solid	8270C	20547
LCS 480-20547/2-A	Lab Control Sample	Total/NA	Solid	8270C	20547
LCSD 480-20547/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	20547
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	8270C	20547

Prep Batch: 20663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20663/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-20663/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-20663/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	
LB 480-20385/1-C LB	Method Blank	TCLP	Solid	3510C	20385
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	3510C	20385

Analysis Batch: 20829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20663/1-A	Method Blank	Total/NA	Solid	8270C	20663
LCS 480-20663/2-A	Lab Control Sample	Total/NA	Solid	8270C	20663
LCSD 480-20663/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	20663

TestAmerica Buffalo

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

GC/MS Semi VOA (Continued)

Analysis Batch: 20829 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-20385/1-C LB	Method Blank	TCLP	Solid	8270C	20663
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	8270C	20663

GC VOA

Analysis Batch: 21205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-21207/1-A	Method Blank	Total/NA	Solid	8015B	21207
LCS 480-21207/2-A	Lab Control Sample	Total/NA	Solid	8015B	21207
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	8015B	21207

Prep Batch: 21207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-21207/1-A	Method Blank	Total/NA	Solid	5030B	
LCS 480-21207/2-A	Lab Control Sample	Total/NA	Solid	5030B	
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	5030B	

GC Semi VOA

Leach Batch: 20385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-20385/1-D LB	Method Blank	TCLP	Solid	1311	
LB 480-20385/1-F LB	Method Blank	TCLP	Solid	1311	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	1311	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	1311	

Prep Batch: 20550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20550/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 480-20550/2-A	Lab Control Sample	Total/NA	Solid	3550B	
LCSD 480-20550/3-A	Lab Control Sample Dup	Total/NA	Solid	3550B	
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	3550B	

Prep Batch: 20551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20551/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 480-20551/2-A	Lab Control Sample	Total/NA	Solid	3550B	
480-6192-A-1-E MS	480-6192-A-1-E MS	Total/NA	Solid	3550B	
480-6192-A-1-F MSD	480-6192-A-1-F MSD	Total/NA	Solid	3550B	
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	3550B	

Analysis Batch: 20587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20551/1-A	Method Blank	Total/NA	Solid	8082	20551
LCS 480-20551/2-A	Lab Control Sample	Total/NA	Solid	8082	20551
480-6192-A-1-E MS	480-6192-A-1-E MS	Total/NA	Solid	8082	20551
480-6192-A-1-F MSD	480-6192-A-1-F MSD	Total/NA	Solid	8082	20551
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	8082	20551

Analysis Batch: 20597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20550/1-A	Method Blank	Total/NA	Solid	8015B	20550

TestAmerica Buffalo

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

GC Semi VOA (Continued)

Analysis Batch: 20597 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-20550/2-A	Lab Control Sample	Total/NA	Solid	8015B	20550
LCSD 480-20550/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	20550

Prep Batch: 20685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20685/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-20685/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-20685/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	
LB 480-20385/1-D LB	Method Blank	TCLP	Solid	3510C	20385
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	3510C	20385

Analysis Batch: 20723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	8015B	20550

Prep Batch: 20791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20791/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-20791/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 480-20791/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
LB 480-20385/1-F LB	Method Blank	TCLP	Solid	8151A	20385
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	8151A	20385

Analysis Batch: 20892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20791/1-A	Method Blank	Total/NA	Solid	8151A	20791
LCS 480-20791/2-A	Lab Control Sample	Total/NA	Solid	8151A	20791
LCSD 480-20791/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	20791
LB 480-20385/1-F LB	Method Blank	TCLP	Solid	8151A	20791
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	8151A	20791

Analysis Batch: 20910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20685/1-A	Method Blank	Total/NA	Solid	8081A	20685
LCS 480-20685/2-A	Lab Control Sample	Total/NA	Solid	8081A	20685
LCSD 480-20685/3-A	Lab Control Sample Dup	Total/NA	Solid	8081A	20685
LB 480-20385/1-D LB	Method Blank	TCLP	Solid	8081A	20685
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	8081A	20685

Prep Batch: 21490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-21490/1-A	Method Blank	Total/NA	Solid	3550B	
LCS 480-21490/2-A	Lab Control Sample	Total/NA	Solid	3550B	
LCSD 480-21490/3-A	Lab Control Sample Dup	Total/NA	Solid	3550B	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	Total/NA	Solid	3550B	

Analysis Batch: 21547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-21490/1-A	Method Blank	Total/NA	Solid	8082	21490
LCS 480-21490/2-A	Lab Control Sample	Total/NA	Solid	8082	21490
LCSD 480-21490/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	21490
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	Total/NA	Solid	8082	21490

TestAmerica Buffalo

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Metals

Leach Batch: 20385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-20385/1-B LB	Method Blank	TCLP	Solid	1311	
LB 480-20385/1-E LB	Method Blank	TCLP	Solid	1311	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	1311	
480-6192-1 MS	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	1311	
480-6192-1 MSD	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	1311	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	1311	
480-6192-1 MS	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	1311	
480-6192-1 MSD	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	1311	

Prep Batch: 20535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20509/1-B	Method Blank	Dissolved	Water	3005A	
LCS 480-20509/2-B	Lab Control Sample	Dissolved	Water	3005A	
480-6192-3	MMA/DECON SUMP	Dissolved	Water	3005A	
480-6192-3 MS	MMA/DECON SUMP	Dissolved	Water	3005A	
480-6192-3 MSD	MMA/DECON SUMP	Dissolved	Water	3005A	

Prep Batch: 20656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-20385/1-B LB	Method Blank	TCLP	Solid	3010A	20385
MB 480-20656/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-20656/3-A	Lab Control Sample	Total/NA	Solid	3010A	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	3010A	20385
480-6192-1 MS	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	3010A	20385
480-6192-1 MSD	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	3010A	20385

Prep Batch: 20721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	7470A	20385
480-6192-1 MS	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	7470A	20385
480-6192-1 MSD	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	7470A	20385
LB 480-20385/1-E LB	Method Blank	TCLP	Solid	7470A	20385
LCS 480-20721/9-A	Lab Control Sample	Total/NA	Solid	7470A	
MB 480-20721/10-A	Method Blank	Total/NA	Solid	7470A	

Analysis Batch: 20766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-20385/1-B LB	Method Blank	TCLP	Solid	6010B	20656
MB 480-20656/2-A	Method Blank	Total/NA	Solid	6010B	20656
LCS 480-20656/3-A	Lab Control Sample	Total/NA	Solid	6010B	20656
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	6010B	20656
480-6192-1 MS	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	6010B	20656
480-6192-1 MSD	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	6010B	20656

Analysis Batch: 20770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	7470A	20721
480-6192-1 MS	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	7470A	20721
480-6192-1 MSD	SANITARY LINE IMPACTS (AREA 8)	TCLP	Solid	7470A	20721
LB 480-20385/1-E LB	Method Blank	TCLP	Solid	7470A	20721
LCS 480-20721/9-A	Lab Control Sample	Total/NA	Solid	7470A	20721
MB 480-20721/10-A	Method Blank	Total/NA	Solid	7470A	20721

TestAmerica Buffalo

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Metals (Continued)

Analysis Batch: 20861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20509/1-B	Method Blank	Dissolved	Water	6010B	20535
LCS 480-20509/2-B	Lab Control Sample	Dissolved	Water	6010B	20535
480-6192-3	MMA/DECON SUMP	Dissolved	Water	6010B	20535
480-6192-3 MS	MMA/DECON SUMP	Dissolved	Water	6010B	20535
480-6192-3 MSD	MMA/DECON SUMP	Dissolved	Water	6010B	20535

Prep Batch: 20896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-6192-3	MMA/DECON SUMP	Dissolved	Water	7470A	
480-6192-3 MS	MMA/DECON SUMP	Dissolved	Water	7470A	
480-6192-3 MSD	MMA/DECON SUMP	Dissolved	Water	7470A	
LCS 480-20509/2-C	Lab Control Sample	Dissolved	Water	7470A	
MB 480-20509/1-C	Method Blank	Dissolved	Water	7470A	

Prep Batch: 20967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20967/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-20967/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-6192-3	MMA/DECON SUMP	Total/NA	Water	3005A	

Analysis Batch: 20976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-6192-3	MMA/DECON SUMP	Dissolved	Water	7470A	20896
480-6192-3 MS	MMA/DECON SUMP	Dissolved	Water	7470A	20896
480-6192-3 MSD	MMA/DECON SUMP	Dissolved	Water	7470A	20896
LCS 480-20509/2-C	Lab Control Sample	Dissolved	Water	7470A	20896
MB 480-20509/1-C	Method Blank	Dissolved	Water	7470A	20896

Analysis Batch: 21110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20967/1-A	Method Blank	Total/NA	Water	6010B	20967
LCS 480-20967/2-A	Lab Control Sample	Total/NA	Water	6010B	20967
480-6192-3	MMA/DECON SUMP	Total/NA	Water	6010B	20967

General Chemistry

Analysis Batch: 20579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-20579/1	Lab Control Sample	Total/NA	Solid	1010	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	Total/NA	Solid	1010	

Prep Batch: 20620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20620/2-A	Method Blank	Total/NA	Water	9012A	
480-6192-3	MMA/DECON SUMP	Total/NA	Water	9012A	
LCS 480-20620/21-A	Lab Control Sample	Total/NA	Water	9012A	
MB 480-20620/22-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 20628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-20628/1	Lab Control Sample	Total/NA	Solid	9045C	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	Total/NA	Solid	9045C	

TestAmerica Buffalo

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

General Chemistry (Continued)

Analysis Batch: 20634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-20634/60	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MB 480-20634/61	Method Blank	Total/NA	Water	SM 4500 Cl- E	
480-6192-3	MMA/DECON SUMP	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 20697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	Total/NA	Solid	Moisture	
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	Moisture	

Prep Batch: 20809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20809/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 480-20809/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	Total/NA	Solid	7.3.3	
480-6192-1 DU	SANITARY LINE IMPACTS (AREA 8)	Total/NA	Solid	7.3.3	

Prep Batch: 20810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20810/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 480-20810/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	Total/NA	Solid	7.3.4	

Analysis Batch: 20812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20810/1-A	Method Blank	Total/NA	Solid	9034	20810
LCS 480-20810/2-A	Lab Control Sample	Total/NA	Solid	9034	20810
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	Total/NA	Solid	9034	20810

Analysis Batch: 20813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20809/1-A	Method Blank	Total/NA	Solid	9012	20809
LCS 480-20809/2-A	Lab Control Sample	Total/NA	Solid	9012	20809
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	Total/NA	Solid	9012	20809
480-6192-1 DU	SANITARY LINE IMPACTS (AREA 8)	Total/NA	Solid	9012	20809

Analysis Batch: 20933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-20620/2-A	Method Blank	Total/NA	Water	9012A	20620
LCS 480-20620/21-A	Lab Control Sample	Total/NA	Water	9012A	20620
MB 480-20620/22-A	Method Blank	Total/NA	Water	9012A	20620
480-6192-3	MMA/DECON SUMP	Total/NA	Water	9012A	20620

Analysis Batch: 21146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	Total/NA	Solid	9095A	

Prep Batch: 21179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-21179/1-A	Method Blank	Total/NA	Water	Distill/Phenol	
LCS 480-21179/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
480-6192-3	MMA/DECON SUMP	Dissolved	Water	Distill/Phenol	
480-6192-3 DU	MMA/DECON SUMP	Dissolved	Water	Distill/Phenol	

TestAmerica Buffalo

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

General Chemistry (Continued)

Analysis Batch: 21252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-21179/1-A	Method Blank	Total/NA	Water	420.4	21179
LCS 480-21179/2-A	Lab Control Sample	Total/NA	Water	420.4	21179
480-6192-3	MMA/DECON SUMP	Dissolved	Water	420.4	21179
480-6192-3 DU	MMA/DECON SUMP	Dissolved	Water	420.4	21179

Analysis Batch: 21258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-21258/6	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MB 480-21258/7	Method Blank	Total/NA	Water	SM 4500 Cl- E	
480-6192-3	MMA/DECON SUMP	Dissolved	Water	SM 4500 Cl- E	

Prep Batch: 21269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-21269/1-A	Lab Control Sample	Total/NA	Solid	9012A	
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	9012A	
MB 480-21269/3-A	Method Blank	Total/NA	Solid	9012A	

Analysis Batch: 21281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-21269/1-A	Lab Control Sample	Total/NA	Solid	9012A	21269
MB 480-21269/3-A	Method Blank	Total/NA	Solid	9012A	21269
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	9012A	21269

Prep Batch: 21333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-21333/1-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-21333/2-A	Method Blank	Total/NA	Water	Distill/Phenol	
480-6192-3	MMA/DECON SUMP	Total/NA	Water	Distill/Phenol	

Analysis Batch: 21480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-21333/1-A	Lab Control Sample	Total/NA	Water	420.4	21333
MB 480-21333/2-A	Method Blank	Total/NA	Water	420.4	21333
480-6192-3	MMA/DECON SUMP	Total/NA	Water	420.4	21333

Prep Batch: 206822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-206822/1-A	Method Blank	Total/NA	Solid	5050	
LCS 680-206822/2-A	Lab Control Sample	Total/NA	Solid	5050	
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	5050	

Analysis Batch: 206823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-206822/1-A	Method Blank	Total/NA	Solid	9038	206822
LCS 680-206822/2-A	Lab Control Sample	Total/NA	Solid	9038	206822
480-6192-2	AREA 4,7,9,COMPOSITE	Total/NA	Solid	9038	206822

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Client Sample ID: SANITARY LINE IMPACTS (AREA 8)

Date Collected: 06/15/11 14:50

Date Received: 06/16/11 09:20

Lab Sample ID: 480-6192-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
TCLP	Leach	1311			20384	06/17/11 02:08	LT	TAL BUF
TCLP	Analysis	8260B		10	20589	06/18/11 12:23	LH	TAL BUF
TCLP	Leach	1311			20385	06/17/11 02:15	LT	TAL BUF
TCLP	Prep	3510C			20663	06/20/11 09:04	KV	TAL BUF
TCLP	Analysis	8270C		1	20829	06/21/11 18:23	MP	TAL BUF
TCLP	Leach	1311			20385	06/17/11 02:15	LT	TAL BUF
TCLP	Prep	8151A			20791	06/20/11 18:31	DE	TAL BUF
TCLP	Analysis	8151A		1	20892	06/21/11 18:13	MN	TAL BUF
TCLP	Prep	3510C			20685	06/20/11 09:58	KV	TAL BUF
TCLP	Analysis	8081A		1	20910	06/21/11 19:33	LW	TAL BUF
Total/NA	Prep	3550B			21490	06/24/11 15:19	TR	TAL BUF
Total/NA	Analysis	8082		1	21547	06/25/11 16:58	JM	TAL BUF
TCLP	Leach	1311			20385	06/17/11 02:15	LT	TAL BUF
TCLP	Prep	3010A			20656	06/20/11 08:20	MM	TAL BUF
TCLP	Analysis	6010B		1	20766	06/20/11 14:26	AH	TAL BUF
TCLP	Prep	7470A			20721	06/20/11 10:45	MM	TAL BUF
TCLP	Analysis	7470A		1	20770	06/20/11 14:38	MM	TAL BUF
Total/NA	Analysis	1010		1	20579	06/17/11 15:00	RL	TAL BUF
Total/NA	Analysis	9045C		1	20628	06/17/11 16:10	JR	TAL BUF
Total/NA	Analysis	Moisture		1	20697	06/20/11 10:40	KK	TAL BUF
Total/NA	Prep	7.3.4			20810	06/20/11 19:43	RL	TAL BUF
Total/NA	Analysis	9034		1	20812	06/20/11 21:54	RL	TAL BUF
Total/NA	Analysis	9012		1	20813	06/20/11 22:47	RL	TAL BUF
Total/NA	Prep	7.3.3			20809	06/21/11 00:27	RL	TAL BUF
Total/NA	Analysis	9095A		1	21146	06/22/11 16:44	PN	TAL BUF

Client Sample ID: AREA 4,7,9,COMPOSITE

Date Collected: 06/15/11 15:00

Date Received: 06/16/11 09:20

Lab Sample ID: 480-6192-2

Matrix: Solid

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20560	06/18/11 05:02	ND	TAL BUF
Total/NA	Prep	3550B			20547	06/17/11 18:05	LT	TAL BUF
Total/NA	Analysis	8270C		100	20655	06/20/11 16:36	MP	TAL BUF
Total/NA	Prep	5030B			21207	06/23/11 09:31	LW	TAL BUF
Total/NA	Analysis	8015B		10	21205	06/23/11 10:57	LW	TAL BUF
Total/NA	Prep	3550B			20551	06/17/11 18:27	LT	TAL BUF
Total/NA	Analysis	8082		1	20587	06/18/11 15:08	JM	TAL BUF
Total/NA	Prep	3550B			20550	06/17/11 18:17	LT	TAL BUF
Total/NA	Analysis	8015B		20	20723	06/20/11 16:20	MN	TAL BUF
Total/NA	Analysis	Moisture		1	20697	06/20/11 10:40	KK	TAL BUF
Total/NA	Prep	9012A			21269	06/23/11 10:20	PN	TAL BUF
Total/NA	Analysis	9012A		1	21281	06/23/11 14:40	MD	TAL BUF
Total/NA	Prep	5050			206822	06/23/11 09:00	CN	TAL SAV
Total/NA	Analysis	9038		1	206823	06/23/11 13:27	CN	TAL SAV

TestAmerica Buffalo

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Client Sample ID: MMA/DECON SUMP

Date Collected: 06/15/11 14:00

Date Received: 06/16/11 09:20

Lab Sample ID: 480-6192-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	20589	06/18/11 18:41	LH	TAL BUF
Dissolved	Prep	3005A			20535	06/20/11 09:40	MM	TAL BUF
Dissolved	Analysis	6010B		1	20861	06/20/11 18:44	AH	TAL BUF
Dissolved	Prep	7470A			20896	06/21/11 13:50	MM	TAL BUF
Dissolved	Analysis	7470A		1	20976	06/21/11 19:12	MM	TAL BUF
Total/NA	Prep	3005A			20967	06/22/11 09:00	MM	TAL BUF
Total/NA	Analysis	6010B		1	21110	06/22/11 14:12	LH	TAL BUF
Total/NA	Analysis	SM 4500 Cl- E		1	20634	06/18/11 15:37	JR	TAL BUF
Total/NA	Prep	9012A			20620	06/18/11 11:00	PN	TAL BUF
Total/NA	Analysis	9012A		5	20933	06/21/11 14:30	MD	TAL BUF
Dissolved	Prep	Distill/Phenol			21179	06/22/11 21:43	KS	TAL BUF
Dissolved	Analysis	420.4		5	21252	06/23/11 10:34	JR	TAL BUF
Dissolved	Analysis	SM 4500 Cl- E		1	21258	06/23/11 11:17	JR	TAL BUF
Total/NA	Prep	Distill/Phenol			21333	06/23/11 18:03	AP	TAL BUF
Total/NA	Analysis	420.4		5	21480	06/24/11 12:44	JR	TAL BUF

Client Sample ID: TRIP BLANK

Date Collected: 06/15/11 15:20

Date Received: 06/16/11 09:20

Lab Sample ID: 480-6192-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20589	06/18/11 19:06	LH	TAL BUF

Laboratory References:

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

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia	West Virginia DEP	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	Arkansas DOH	6	N/A
TestAmerica Savannah	Arkansas	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Delaware	State Program	3	N/A
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	Georgia	Georgia EPD	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kansas	NELAC	7	E-10322
TestAmerica Savannah	Kentucky	Kentucky UST	4	18
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015

TestAmerica Buffalo

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	Nevada	State Program	9	GA6
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina	North Carolina DENR	4	269
TestAmerica Savannah	North Carolina	North Carolina PHL	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	USDA		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	State Program	3	302
TestAmerica Savannah	West Virginia	West Virginia DEP	3	94
TestAmerica Savannah	West Virginia	West Virginia DHHR (DW)	3	9950C
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8015B	Gasoline Range Organics - (GC)	SW846	TAL BUF
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL BUF
8081A	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL BUF
420.4	Phenolics, Total Recoverable	MCAWW	TAL BUF
9012	Cyanide, Reactive	SW846	TAL BUF
9012A	Cyanide, Total and/or Amenable	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9038	Sulfur, Total	SW846	TAL SAV
9045C	pH	SW846	TAL BUF
9095A	Paint Filter	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
SM 4500 Cl- E	Chloride, Total	SM	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: NFG Anthony Street Waste Characterizatio

TestAmerica Job ID: 480-6192-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-6192-1	SANITARY LINE IMPACTS (AREA 8)	Solid	06/15/11 14:50	06/16/11 09:20
480-6192-2	AREA 4,7,9,COMPOSITE	Solid	06/15/11 15:00	06/16/11 09:20
480-6192-3	MMA/DECON SUMP	Water	06/15/11 14:00	06/16/11 09:20
480-6192-4	TRIP BLANK	Water	06/15/11 15:20	06/16/11 09:20

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-6192-1

Login Number: 6192

List Source: TestAmerica Buffalo

List Number: 1

Creator: Rabb, Mike

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	ARCADIS
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	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-6192-1

Login Number: 6192

List Source: TestAmerica Savannah

List Number: 1

List Creation: 06/17/11 11:03 AM

Creator: Daughtry, Beth

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
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?	N/A	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Attachment 4

PIANO Forensic Evaluation
Memorandum



ARCADIS of New York, Inc.
6723 Towpath Road
P O Box 66
Syracuse
New York 13214-0066
Tel 315 446 9120
Fax 315 446 8053

MEMO

To:
File

Copies:
Scott Powlin, ARCADIS

From:
Ted C. Sauer, Ph.D.

Date:
October 10, 2012

ARCADIS Project No.:
B0036638

Subject:
Forensic Evaluation of Volatile Hydrocarbons in Soil Samples Collected from Two Areas at the National Grid Watertown (Anthony Street) Former MGP Site, Watertown, New York

This memorandum summarizes the results of an evaluation of potential sources of volatile hydrocarbons in soil samples collected in the Empsall Plaza area and Catch Basin-11A area within the former National Grid Watertown (Anthony Street) Site in Watertown, New York. The evaluation was conducted using the results of forensic volatile hydrocarbon PIANO analysis (Paraffin, Isoparaffin, Aromatic, Naphthene, and Olefin compounds). Multiple lines of evidence from the forensic data were used to identify potential sources of hydrocarbons in the soil samples.

On June 14, 2011, near-surface soil samples were collected in each of two areas of the former Watertown (Anthony Street) MGP Site, labeled Empsall Plaza and Catch Basin-11A, and analyzed for PIANO compounds that included sulfur heterocyclic compounds and gasoline additives. The method of analysis is a modified EPA Method 8260 (purge and trap, gas chromatography/mass spectrometry [GC/MS]) methodology in which over 70 volatile hydrocarbons are quantitatively determined. The target analytes are listed in Appendix A (Data Package). This analysis is useful in characterizing volatile hydrocarbon compositions of fuel oils, especially gasoline, and other organic mixtures such as coal tar, and in identifying sources of volatile hydrocarbons in environmental samples.

Results of the PIANO analysis of the two samples are provided in Appendix A, and displayed as compositional histograms in Figure 1 (Empsall Plaza) and Figure 2 (Catch Basin-11A). As characterized by their PIANO compositions, the volatile hydrocarbon content of the two soil samples at the Empsall Plaza and Catch Basin-11A areas are distinctly different. The Empsall Plaza sample contains only coal tar-related volatile hydrocarbons, and in contrast, the Catch Basin-11A sample contains only a petroleum light-distillate oil, namely gasoline. There does not appear to be a contribution of mid-distillate oil in the Catch Basin sample, which would be verified by a TPH-DRO (TPH-Diesel Range Organics) type analysis.

The Empsall Plaza sample contains only aromatic hydrocarbons (99%) with high relative concentrations of the 2-ring polycyclic aromatic hydrocarbons (PAHs) naphthalenes (Figure 1). There are relatively trace amounts of paraffins, but no isoparaffin, naphthene, or olefin compounds. This volatile hydrocarbon

composition is characteristic of coal tar material. Coal tar is characterized as containing almost exclusive aromatic compounds with especially high naphthalenes and trace levels of paraffins. Sulfur-containing compounds such as thiophenes may be detected in coal tar at low concentrations, but the presence of the other volatile hydrocarbon groups (e.g., isoparaffins) is negligible. There is no evidence of gasoline in this sample.

In contrast to the Empsall Plaza sample, the Catch Basin-11A sample contains a full suite of volatile paraffin, isoparaffin, aromatic, naphthene and olefin compounds (Figure 2). The hydrocarbon composition of this sample is characteristic of gasoline (Stout et al., 2002). This gasoline appears to be only slightly weathered, evident by the loss of benzene and toluene, which would be expected to be at higher concentrations if the gasoline was fresh. The presence of highly weathering-susceptible compounds such as the isoparaffins and naphthenes indicates the weathering is not extensive. Gasoline additives (e.g., MTBE) were not detected in this sample (Reporting Limits were 132 ug/kg dry weight). There is no indication that the sample contains coal tar since the relative concentrations of coal tar-indicating naphthalenes and 1-methyl-3-isopropyl benzene are low.

The type of gasoline in the Catch Basin-11A sample appears to be produced by the commonly used process, fluid catalytic cracking (FCC), different than a reformate-produced gasoline (Stout et al., 2002). Dominant aromatics and negligible olefins are characteristic of reformate gasolines. More isoparaffins are produced by FCC. In the Catch Basin sample, concentrations of the paraffin, isoparaffin, and naphthene group compounds are fairly similar.

References

Stout, S.A., A.D. Uhler, K.J. McCarthy, and S. Emsbo-Mattingly. 2002. Chemical fingerprinting of hydrocarbons. In: *Introduction to Environmental Forensics*, eds. B.L. Murphy and R.D. Morrison. London: Academic Press, pp. 137-260.

Attachments

¹ The term “weathering” refers to physical and biological environmental processes as such evaporation, dissolution, and biodegradation that potentially occur when hydrocarbons are exposed to the environment.

Figures

Figure 1

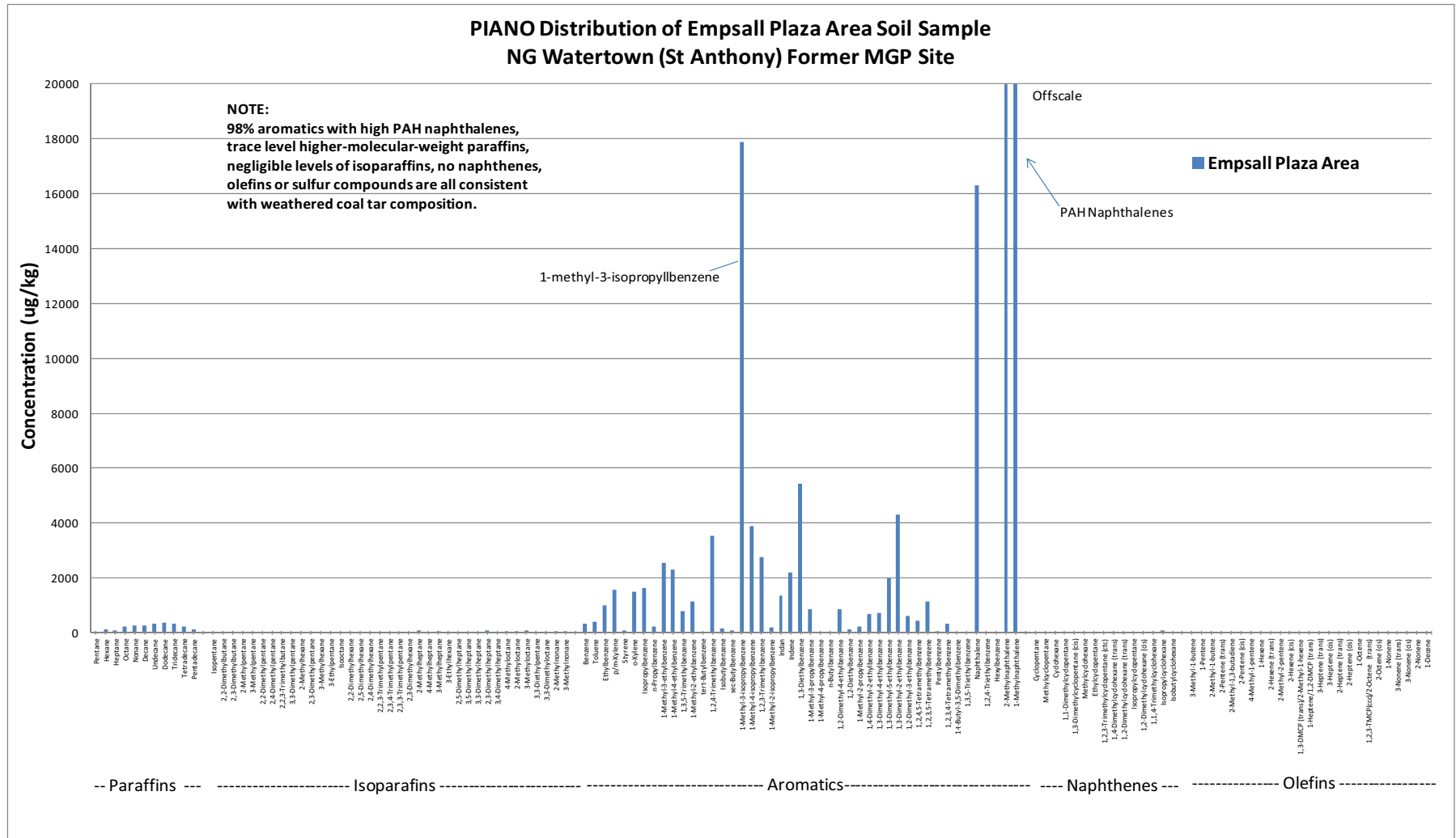
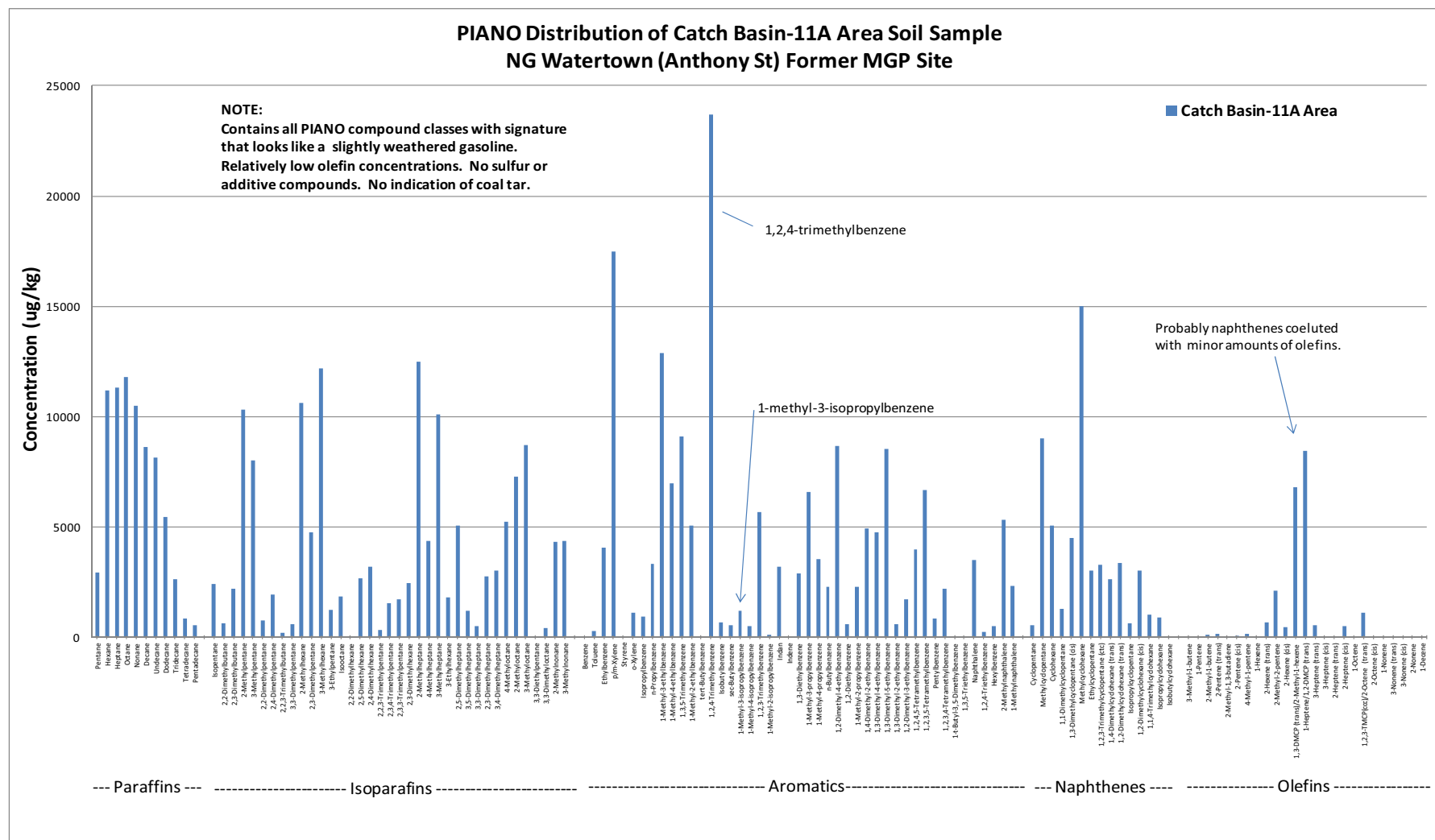


Figure 2





Appendix A

Appendix A – PIANO Results



ANALYTICAL REPORT

Prepared for:

ARCADIS

6723 Towpath Road

P.O. Box 66

Syracuse, NY 13214

Project: Anthony Street

ETR: 1106100

Report Date: June 23, 2011

Certifications and Accreditations

Massachusetts M-MA030

Connecticut PH-0141

New Hampshire 2206

Rhode Island LAO00289

New Jersey MA015

Maine MA0030

New York 11627

Louisiana 03090

Florida E87814

Pennsylvania 68-02089

Army Corps of Engineers

Department of the Navy

This report shall not be reproduced except in full, without written approval from the laboratory.



Sample ID Cross Reference



Client: **ARCADIS**
Project: **Anthony Street**

Lab Code: **MA00030**
ETR: **1106100**

Lab Sample ID	Client Sample ID
<u>1106100-01</u>	<u>Catch Basin-11A Area</u>
<u>1106100-02</u>	<u>Empsall Plaza Area</u>
<u>1106100-03</u>	<u>Trip Blank</u>

Certificate/Approval Program Summary



Method numbers assume the most recent EPA revisions. For a complete listing of analytes for the referenced methods please contact your Alpha Woods Hole Lab Project Manager or the Quality Assurance Manager.

Connecticut Department of Public Health Certificate/Lab ID : PH-0141 - *Wastewater* (General Chemistry: EPA 120.1, 150.1, 160.1, 160.2, 180.1, 300.0, 310.1, 335.2, 365.2; Metals: 200.8, 245.1; Organics: 608, 624, 625, ETPH) *Solid Waste/Soil* (General Chemistry: 1010, 9010/9014, 9045, 9060; Metals: 6020, 7470, 7471; Organics: 8081, 8082, 8260, 8270, ETPH).

Florida Department of Health Certificate/Lab ID : E87814 - Primary NELAP Accreditation Authority for Air & Emissions. Secondary NELAP Accreditation for Wastewater and Solid & Hazardous Waste. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 335.2, 365.2, SM2320B, SM2340B, SM2540G, SM4500NH3; Metals: 245.1; Organics: 608, 624, 625). *Solid and Hazardous Waste* (General Chemistry: 9010/9014, 9045, 9050, 9056, 9065, Reactivity 7.3; Metals: 6020, 7470, 7471; Organics: 8081, 8082, 8260, 8270). *Air & Emissions* (Organics: EPA TO-15).

Louisiana Department of Environmental Quality Certificate/Lab ID : 03090 - Primary NELAP Accrediting Authority for Wastewater, Solid & Hazardous Waste. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 376.2, 9010/9014, 9056, SM2540G; Metals: 200.8, 245.1, 6020; Organics: 608, 624, 625, 8015-DRO/GRO, 8081, 8082, 8260, 8270). *Solid and Hazardous Waste* (General Chemistry: 1010, 1311, 9010/9014, 9040, 9045, 9056, 9060, Reactivity 7.3; Metals: 6020, 7196, 7470, 7471; Organics: 8015-DRO/GRO, 8081, 8082, 8260, 8270).

Maine Department of Human Services Certificate/Lab ID : MA0030 - *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 335.2, 365.2; Metals: EPA 245.1; Organics: 608, 624)

Massachusetts Department of Environmental Protection Certificate/Lab ID : M-MA030 - *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 335.2, 365.2; Metals: EPA 245.1; Organics: EPA 608, 624).

New Hampshire Department of Environmental Services Certificate/Lab ID : 2206 - Secondary NELAP Accreditation. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 365.2, 376.2, SM2540G; Metals: 200.8, 245.4; Organics: 608, 624, 625).

New Jersey Department of Environmental Protection Certificate/Lab ID : MA015 - Secondary NELAP Accreditation. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 180.1, 300.0, 310.1/SM2320B, 335.2, 376.2, 9010/9014, 9056, SM2540G; Metals: 200.8, 245.1 6020; Organics: 608, 624, 625, 8081, 8082, 8260, 8270). *Solid & Hazardous Waste* (General Chemistry: EPA 1010, 1311, 9010/9014, 9040, 9045, 9056, 9060; Metals: 6020, 7196, 7470, 7471; Organics: 8015-DRO/GRO, 8081, 8082, 8260, 8270). *Air & Emissions* (Organics: EPA TO-15).

New York Department of Health Certificate/Lab ID : 11627 - Secondary NELAP Accreditation. *Wastewater* (General Chemistry: EPA 120.1/SM2510B, 150.1, 160.1/SM2540C, 160.2/SM2540D, 300.0, 310.1/SM2320B, 365.2, 376.2; Metals: 245.1; Organics: 608, 624, 625). *Solid and Hazardous Waste* (General Chemistry: EPA 1010, 1311; : 245.1; 6020, 7041; Organics: 8081, 8082, 8260, 8270). *Air & Emissions* (Organics: EPA TO-15).

Rhode Island Department of Health Certificate/Lab ID : LA000289 - Chemistry: *Organic and Inorganic in Non-Portable Water, Wastewater/Sewage and Soil* (Refer to LADEQ and MADEP certificates for method numbers.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-02089 - Registered laboratory

U.S. Army Corps of Engineers

Department of the Navy

CASE NARRATIVE

Alpha Analytical

ETR: 1106100

Project: Anthony Street

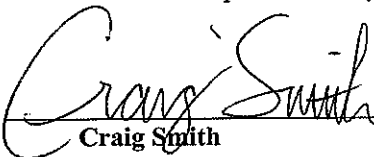
All analyses were performed according to the Alpha Analytical quality assurance program and documented Standard Operating Procedures (SOPs). The analytical results contained in this report were performed within holding time, and with appropriate quality control measures, except where noted. A summary of all state and federal accreditations is provided within this report. Blank correction of results is not performed in the laboratory for any parameter. Alpha Analytical certifies that the test results within meet all of the requirements of NELAC, for all NELAC accredited parameters.

PIANO Volatiles by GC/MS

1. The initial calibration analyzed on 3/14/11, P4031411.M, has the Relative Standard Deviation (RSD) for Tridecane greater than 25%D, but below 35%D and represents less than 10% of all compounds, thus the calibration was accepted.
2. The closing sequence continuing calibration verification (CCV), C406171101, has the percent deviation for Tertiary butanol, greater than 25%D at 26.6%. This value is below 35%D and represents less than 10% of all compounds, thus the calibration was accepted.
3. The closing sequence continuing calibration verification (CCV), C406201102, has the percent deviation for 2-Methylnaphthalene greater than 25%D at 25.6%D. This value is below 35%D and represents less than 10% of all compounds, thus the calibration was accepted.
4. The method blanks VO061611B05 and VO061711B02 has compounds detected at trace levels below the reporting limit and "J" qualified. Associated field sample results are flagged with "B" qualifiers if the analytes are detected in the samples.
5. Sample Catch Basin-11A area (1106100-01) was re-analyzed at a dilution (5X) due to over-calibration concentration of target compounds. The diluted analysis is only quantified for the compounds which were detected over the calibration range of the analytical instrument in the initial analysis. The surrogate % recovery for 1, 4-Dichlorobutane is above the upper 130% limit at 137% and 135% in the original analysis and the diluted (5X) analysis respectively due to matrix interference. Sample results for 2-Methylnonane, 1, 3-Dimethyl-2-ethylbenzene and 1, 2, 3, 4-Tetramethylbenzene that should be considered estimated due to co-elution occurring with a non-target compound.
6. Sample Empsall Plaza Area (1106100-02) was re-analyzed at a dilution (5X) due to over-calibration concentration of target compounds. The diluted analysis is only quantified for the compounds which were detected over the calibration range of the analytical instrument in the initial analysis. Results 1, 2, 4, 5- Tetramethylbenzene and 1, 2, 3, 4- Tetramethylbenzene that should be considered estimated due to co-elution occurring with a non-target compound.
7. Sample Trip Blank (1106100-03) was received and analyzed outside of hold time. Vial was supplied in April 1, 2011 by another laboratory.

The enclosed results of analyses are representative of the samples as received by the laboratory. Alpha Analytical makes no representations or certifications as to the method of sample collection, sample identification, or transporting/handling procedures used prior to the receipt of samples by Alpha Analytical. To the best of my knowledge, the information contained in this report is accurate and complete. For any questions regarding this report, please contact the signatory below at 508-822-9300.

Approved by:


Craig Smith

Title: Project Manager

Date:

6-23-11

P-I-A-N-O Volatiles

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Catch Basin-11A Area**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **1106100-01**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/14/11	06/15/11	06/21/11	83.3	5	5.39	0.1	5	1	MLR

Parameter	Result
3-Methyl-1-butene	132 U
Isopentane	2420
1-Pentene	132 U
2-Methyl-1-butene	98.8 J
Pentane	2940
2-Pentene (trans)	146
2-Methyl-1,3-butadiene	132 U
2-Pentene (cis)	50.4 J
Tertiary butanol	1640 U
2,2-Dimethylbutane	632
4-Methyl-1-pentene	153
Cyclopentane	553
2,3-Dimethylbutane	2190
2-Methylpentane	10300
MTBE	132 U
3-Methylpentane	8000
1-Hexene	132 U
Hexane	11200
Diisopropyl Ether (DIPE)	132 U
2-Hexene (trans)	653
2-Methyl-2-pentene	2090
2-Hexene (cis)	471
Ethyl Tertiary Butyl Ether (ETBE)	132 U
2,2-Dimethylpentane	749
Methylcyclopentane	9010
2,4-Dimethylpentane	1920
2,2,3-Trimethylbutane	211
1,2-Dichloroethane	132 U
3,3-Dimethylpentane	572
Cyclohexane	5080
2-Methylhexane	10600
Benzene	132 U
2,3-Dimethylpentane	4740
Thiophene	132 U
1,1-Dimethylcyclopentane	1290
3-Methylhexane	12200
TAME	132 U
1,3-Dimethylcyclopentane (cis)	4490
3-Ethylpentane	1220
1,3-DMCP (trans)/2-Methyl-1-hexene ¹	6790

Parameter	Result
1-Heptene/1,2-DMCP (trans) ¹	8430
Isooctane	1860
3-Heptene (trans)	535
Heptane	11300
3-Heptene (cis)	132 U
2-Heptene (trans)	132 U
2-Heptene (cis)	499
2,2-Dimethylhexane	132 U
Methylcyclohexane	16600 E
2,5-Dimethylhexane	2680
2,4-Dimethylhexane	3210
Ethylcyclopentane	3020
2,2,3-Trimethylpentane	306
1,2,3-Trimethylcyclopentane (ctc)	3260
2,3,4-Trimethylpentane	1530
2,3,3-Trimethylpentane	1730
2,3-Dimethylhexane	2440
2-Methylheptane	12500
4-Methylheptane	4370
3-Methylheptane	10100
3-Ethylhexane	1790
Toluene	302
2-Methylthiophene	132 U
1,4-Dimethylcyclohexane (trans)	2630
3-Methylthiophene	132 U
1-Octene	132 U
Octane	11800
1,2-Dimethylcyclohexane (trans)	3350
1,2-Dibromoethane	329 U
1,2,3-TMCP(ccc)/2-Octene (trans)	1090
2-Octene (cis)	132 U
Isopropylcyclopentane	646
1,2-Dimethylcyclohexane (cis)	3000
2,5-Dimethylheptane	5050
3,5-Dimethylheptane	1180
3,3-Dimethylheptane	512
1,1,4-Trimethylcyclohexane	1040
2,3-Dimethylheptane	2750
3,4-Dimethylheptane	3000

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Catch Basin-11A Area**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **1106100-01**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/14/11	06/15/11	06/21/11	83.3	5	5.39	0.1	5	1	MLR

Parameter	Result	Parameter	Result
4-Methyloctane	5220	1-Methyl-2-isopropylbenzene	112 J
2-Methyloctane	7260	Indan	3180
Ethylbenzene	4040	1,3-Diethylbenzene	2890
2-Ethylthiophene	132 U	1-Methyl-3-propylbenzene	6590
3-Methyloctane	8720	1-Methyl-4-propylbenzene	3550
3,3-Diethylpentane	132 U	n-Butylbenzene	2270
p/m-Xylene	17500	1,2-Dimethyl-4-ethylbenzene	8660
1-Nonene	132 U	1,2-Diethylbenzene	583
3-Nonene (trans)	132 U	1-Methyl-2-propylbenzene	2270
3-Nonene (cis)	132 U	1,4-Dimethyl-2-ethylbenzene	4930
Nonane	10500	Undecane	8160
Styrene	132 U	1,3-Dimethyl-4-ethylbenzene	4770
o-Xylene	1110	1,3-Dimethyl-5-ethylbenzene	8520
2-Nonene	132 U	1,3-Dimethyl-2-ethylbenzene	591
Isopropylcyclohexane	885	1,2-Dimethyl-3-ethylbenzene	1730
Isopropylbenzene	946	1,2,4,5-Tetramethylbenzene	3990
3,3-Dimethyloctane	412	1,2,3,5-Tetramethylbenzene	6680
n-Propylbenzene	3320	Pentylbenzene	840
2-Methylnonane	4300	Indene	132 U
3-Methylnonane	4350	1,2,3,4-Tetramethylbenzene	2180
1-Methyl-3-ethylbenzene	12900	1-t-Butyl-3,5-Dimethylbenzene	132 U
1-Methyl-4-ethylbenzene	6990	Dodecane	5430
1,3,5-Trimethylbenzene	9080	1,3,5-Triethylbenzene	132 U
1-Decene	132 U	Naphthalene	3490
Isobutylcyclohexane	132 U	Benzothiophene	132 U
1-Methyl-2-ethylbenzene	5080	1,2,4-Triethylbenzene	235
Decane	8620	Hexylbenzene	515
tert-Butylbenzene	132 U	MMT	329 U
1,2,4-Trimethylbenzene	25000 E	Tridecane	2640
Isobutylbenzene	660	2-Methylnaphthalene	5320 B
sec-Butylbenzene	557	1-Methylnaphthalene	2330 B
1-Methyl-3-isopropylbenzene	1200	Tetradecane	828
1-Methyl-4-isopropylbenzene	508	Pentadecane	538
1,2,3-Trimethylbenzene	5680		

¹ = These two compounds are reported as a co-eluting pair.

Surrogate	% Recovery	Acceptance Range (%)
2-Bromo-1-chloropropane	111	70-130
1-Chloro-2-fluorobenzene	117	70-130
1,4-Dichlorobutane	137	§ 70-130
Dibromofluoromethane	98	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	103	70-130

N/A - Not Applicable

§ - Surrogate value outside of acceptable range.

B - Found in associated blank as well as sample.

E - Estimated value, exceeds the upper limit of calibration.

J - Estimated value, below quantitation limit.

U - The analyte was analyzed for but not detected at the sample specific level reported.

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Catch Basin-11A Area**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **1106100-01E**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/14/11	06/15/11	06/21/11	83.3	5	5.39	0.1	5	5	MLR

Parameter	Result	Parameter	Result
3-Methyl-1-butene	658 U	1-Heptene/1,2-DMCP (trans) ¹	1320 U
Isopentane	658 U	Isooctane	658 U
1-Pentene	658 U	3-Heptene (trans)	658 U
2-Methyl-1-butene	658 U	Heptane	658 U
Pentane	658 U	3-Heptene (cis)	658 U
2-Pentene (trans)	658 U	2-Heptene (trans)	658 U
2-Methyl-1,3-butadiene	658 U	2-Heptene (cis)	658 U
2-Pentene (cis)	658 U	2,2-Dimethylhexane	658 U
Tertiary butanol	8220 U	Methylcyclohexane	15000
2,2-Dimethylbutane	658 U	2,5-Dimethylhexane	658 U
4-Methyl-1-pentene	658 U	2,4-Dimethylhexane	658 U
Cyclopentane	658 U	Ethylcyclopentane	658 U
2,3-Dimethylbutane	658 U	2,2,3-Trimethylpentane	658 U
2-Methylpentane	658 U	1,2,3-Trimethylcyclopentane (ctc)	658 U
MTBE	658 U	2,3,4-Trimethylpentane	658 U
3-Methylpentane	658 U	2,3,3-Trimethylpentane	658 U
1-Hexene	658 U	2,3-Dimethylhexane	658 U
Hexane	658 U	2-Methylheptane	658 U
Diisopropyl Ether (DIPE)	658 U	4-Methylheptane	658 U
2-Hexene (trans)	658 U	3-Methylheptane	658 U
2-Methyl-2-pentene	658 U	3-Ethylhexane	658 U
2-Hexene (cis)	658 U	Toluene	658 U
Ethyl Tertiary Butyl Ether (ETBE)	658 U	2-Methylthiophene	658 U
2,2-Dimethylpentane	658 U	1,4-Dimethylcyclohexane (trans)	658 U
Methylcyclopentane	658 U	3-Methylthiophene	658 U
2,4-Dimethylpentane	658 U	1-Octene	658 U
2,2,3-Trimethylbutane	658 U	Octane	658 U
1,2-Dichloroethane	658 U	1,2-Dimethylcyclohexane (trans)	658 U
3,3-Dimethylpentane	658 U	1,2-Dibromoethane	1640 U
Cyclohexane	658 U	1,2,3-TMCP(ccc)/2-Octene (trans)	1320 U
2-Methylhexane	658 U	2-Octene (cis)	658 U
Benzene	658 U	Isopropylcyclopentane	658 U
2,3-Dimethylpentane	658 U	1,2-Dimethylcyclohexane (cis)	658 U
Thiophene	658 U	2,5-Dimethylheptane	658 U
1,1-Dimethylcyclopentane	658 U	3,5-Dimethylheptane	658 U
3-Methylhexane	658 U	3,3-Dimethylheptane	658 U
TAME	658 U	1,1,4-Trimethylcyclohexane	658 U
1,3-Dimethylcyclopentane (cis)	658 U	2,3-Dimethylheptane	658 U
3-Ethylpentane	658 U	3,4-Dimethylheptane	658 U
1,3-DMCP (trans)/2-Methyl-1-hexene ¹	1320 U		

06/22/11 11:20

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Catch Basin-11A Area**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **1106100-01E**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/14/11	06/15/11	06/21/11	83.3	5	5.39	0.1	5	5	MLR

Parameter	Result	Parameter	Result
4-Methyloctane	658 U	1-Methyl-2-isopropylbenzene	658 U
2-Methyloctane	658 U	Indan	658 U
Ethylbenzene	658 U	1,3-Diethylbenzene	658 U
2-Ethylthiophene	658 U	1-Methyl-3-propylbenzene	658 U
3-Methyloctane	658 U	1-Methyl-4-propylbenzene	658 U
3,3-Diethylpentane	658 U	n-Butylbenzene	658 U
p/m-Xylene	1320 U	1,2-Dimethyl-4-ethylbenzene	658 U
1-Nonene	658 U	1,2-Diethylbenzene	658 U
3-Nonene (trans)	658 U	1-Methyl-2-propylbenzene	658 U
3-Nonene (cis)	658 U	1,4-Dimethyl-2-ethylbenzene	658 U
Nonane	658 U	Undecane	658 U
Styrene	658 U	1,3-Dimethyl-4-ethylbenzene	658 U
o-Xylene	658 U	1,3-Dimethyl-5-ethylbenzene	658 U
2-Nonene	658 U	1,3-Dimethyl-2-ethylbenzene	658 U
Isopropylcyclohexane	658 U	1,2-Dimethyl-3-ethylbenzene	658 U
Isopropylbenzene	658 U	1,2,4,5-Tetramethylbenzene	658 U
3,3-Dimethyloctane	658 U	1,2,3,5-Tetramethylbenzene	658 U
n-Propylbenzene	658 U	Pentylbenzene	658 U
2-Methylnonane	658 U	Indene	658 U
3-Methylnonane	658 U	1,2,3,4-Tetramethylbenzene	658 U
1-Methyl-3-ethylbenzene	658 U	1-t-Butyl-3,5-Dimethylbenzene	658 U
1-Methyl-4-ethylbenzene	658 U	Dodecane	658 U
1,3,5-Trimethylbenzene	658 U	1,3,5-Triethylbenzene	658 U
1-Decene	658 U	Naphthalene	658 U
Isobutylcyclohexane	658 U	Benzothiophene	658 U
1-Methyl-2-ethylbenzene	658 U	1,2,4-Triethylbenzene	658 U
Decane	658 U	Hexylbenzene	658 U
tert-Butylbenzene	658 U	MMT	1640 U
1,2,4-Trimethylbenzene	23700	Tridecane	1640 U
Isobutylbenzene	658 U	2-Methylnaphthalene	1640 U
sec-Butylbenzene	658 U	1-Methylnaphthalene	1640 U
1-Methyl-3-isopropylbenzene	658 U	Tetradecane	1640 U
1-Methyl-4-isopropylbenzene	658 U	Pentadecane	1640 U
1,2,3-Trimethylbenzene	658 U		

† = These two compounds are reported as a co-eluting pair.

Surrogate	% Recovery	Acceptance Range (%)
2-Bromo-1-chloropropane	106	70-130
1-Chloro-2-fluorobenzene	110	70-130
1,4-Dichlorobutane	135	§ 70-130
Dibromofluoromethane	101	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	98	70-130

N/A - Not Applicable

§ - Surrogate value outside of acceptable range.

U - The analyte was analyzed for but not detected at the sample specific level reported.

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PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Empsall Plaza Area**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **1106100-02**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/14/11	06/15/11	06/21/11	88.1	5	6.19	0.1	5	1	MLR

Parameter	Result	Parameter	Result
3-Methyl-1-butene	105 U	1-Heptene/1,2-DMCP (trans) ¹	210 U
Isopentane	105 U	Isooctane	105 U
1-Pentene	105 U	3-Heptene (trans)	105 U
2-Methyl-1-butene	105 U	Heptane	77.0 J
Pentane	105 U	3-Heptene (cis)	105 U
2-Pentene (trans)	105 U	2-Heptene (trans)	105 U
2-Methyl-1,3-butadiene	105 U	2-Heptene (cis)	105 U
2-Pentene (cis)	105 U	2,2-Dimethylhexane	105 U
Tertiary butanol	1320 U	Methylcyclohexane	105 U
2,2-Dimethylbutane	105 U	2,5-Dimethylhexane	105 U
4-Methyl-1-pentene	105 U	2,4-Dimethylhexane	105 U
Cyclopentane	105 U	Ethylcyclopentane	105 U
2,3-Dimethylbutane	105 U	2,2,3-Trimethylpentane	105 U
2-Methylpentane	105 U	1,2,3-Trimethylcyclopentane (ctc)	105 U
MTBE	105 U	2,3,4-Trimethylpentane	105 U
3-Methylpentane	105 U	2,3,3-Trimethylpentane	105 U
1-Hexene	105 U	2,3-Dimethylhexane	105 U
Hexane	116	2-Methylheptane	90.7 J
Diisopropyl Ether (DIPE)	105 U	4-Methylheptane	105 U
2-Hexene (trans)	105 U	3-Methylheptane	67.3 J
2-Methyl-2-pentene	105 U	3-Ethylhexane	105 U
2-Hexene (cis)	105 U	Toluene	421
Ethyl Tertiary Butyl Ether (ETBE)	105 U	2-Methylthiophene	105 U
2,2-Dimethylpentane	105 U	1,4-Dimethylcyclohexane (trans)	105 U
Methylcyclopentane	105 U	3-Methylthiophene	105 U
2,4-Dimethylpentane	105 U	1-Octene	105 U
2,2,3-Trimethylbutane	105 U	Octane	241
1,2-Dichloroethane	105 U	1,2-Dimethylcyclohexane (trans)	105 U
3,3-Dimethylpentane	105 U	1,2-Dibromoethane	263 U
Cyclohexane	105 U	1,2,3-TMCP(ccc)/2-Octene (trans)	210 U
2-Methylhexane	105 U	2-Octene (cis)	105 U
Benzene	340	Isopropylcyclopentane	105 U
2,3-Dimethylpentane	105 U	1,2-Dimethylcyclohexane (cis)	105 U
Thiophene	105 U	2,5-Dimethylheptane	105 U
1,1-Dimethylcyclopentane	105 U	3,5-Dimethylheptane	105 U
3-Methylhexane	105 U	3,3-Dimethylheptane	105 U
TAME	105 U	1,1,4-Trimethylcyclohexane	105 U
1,3-Dimethylcyclopentane (cis)	105 U	2,3-Dimethylheptane	76.5 J
3-Ethylpentane	105 U	3,4-Dimethylheptane	105 U
1,3-DMCP (trans)/2-Methyl-1-hexene ¹	210 U		

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PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Empsall Plaza Area**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **1106100-02**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/14/11	06/15/11	06/21/11	88.1	5	6.19	0.1	5	1	MLR

Parameter	Result	Parameter	Result
4-Methyloctane	53.4 J	1-Methyl-2-isopropylbenzene	181
2-Methyloctane	65.8 J	Indan	1350
Ethylbenzene	1020	1,3-Diethylbenzene	5440
2-Ethylthiophene	105 U	1-Methyl-3-propylbenzene	853
3-Methyloctane	87.0 J	1-Methyl-4-propylbenzene	105 U
3,3-Diethylpentane	105 U	n-Butylbenzene	105 U
p/m-Xylene	1560	1,2-Dimethyl-4-ethylbenzene	861
1-Nonene	105 U	1,2-Diethylbenzene	110
3-Nonene (trans)	105 U	1-Methyl-2-propylbenzene	229
3-Nonene (cis)	105 U	1,4-Dimethyl-2-ethylbenzene	676
Nonane	279	Undecane	332
Styrene	75.6 J	1,3-Dimethyl-4-ethylbenzene	735
o-Xylene	1500	1,3-Dimethyl-5-ethylbenzene	2000
2-Nonene	105 U	1,3-Dimethyl-2-ethylbenzene	4300
Isopropylcyclohexane	74.6 J	1,2-Dimethyl-3-ethylbenzene	624
Isopropylbenzene	1630	1,2,4,5-Tetramethylbenzene	426
3,3-Dimethyloctane	105 U	1,2,3,5-Tetramethylbenzene	1150
n-Propylbenzene	218	Pentylbenzene	66.8 J
2-Methylnonane	73.2 J	Indene	2210
3-Methylnonane	57.0 J	1,2,3,4-Tetramethylbenzene	326
1-Methyl-3-ethylbenzene	2570	1-t-Butyl-3,5-Dimethylbenzene	105 U
1-Methyl-4-ethylbenzene	2310	Dodecane	360
1,3,5-Trimethylbenzene	810	1,3,5-Triethylbenzene	105 U
1-Decene	105 U	Naphthalene	16900 E
Isobutylcyclohexane	105 U	Benzothiophene	105 U
1-Methyl-2-ethylbenzene	1160	1,2,4-Triethylbenzene	105 U
Decane	283	Hexylbenzene	105 U
tert-Butylbenzene	29.2 J	MMT	263 U
1,2,4-Trimethylbenzene	3550	Tridecane	324
Isobutylbenzene	156	2-Methylnaphthalene	19100 BE
sec-Butylbenzene	77.7 J	1-Methylnaphthalene	26700 BE
1-Methyl-3-isopropylbenzene	19600 E	Tetradecane	229 J
1-Methyl-4-isopropylbenzene	3880	Pentadecane	119 J
1,2,3-Trimethylbenzene	2750		

¹ = These two compounds are reported as a co-eluting pair.

Surrogate	% Recovery	Acceptance Range (%)
2-Bromo-1-chloropropane	103	70-130
1-Chloro-2-fluorobenzene	111	70-130
1,4-Dichlorobutane	99	70-130
Dibromofluoromethane	101	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	99	70-130

N/A - Not Applicable

B - Found in associated blank as well as sample.

E - Estimated value, exceeds the upper limit of calibration.

J - Estimated value, below quantitation limit.

U - The analyte was analyzed for but not detected at the sample specific level reported.

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PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Empsall Plaza Area**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **1106100-02E**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/14/11	06/15/11	06/21/11	88.1	5	6.19	0.1	5	5	MLR

Parameter	Result	Parameter	Result
3-Methyl-1-butene	526 U	1-Heptene/1,2-DMCP (trans) ¹	1050 U
Isopentane	526 U	Isooctane	526 U
1-Pentene	526 U	3-Heptene (trans)	526 U
2-Methyl-1-butene	526 U	Heptane	526 U
Pentane	526 U	3-Heptene (cis)	526 U
2-Pentene (trans)	526 U	2-Heptene (trans)	526 U
2-Methyl-1,3-butadiene	526 U	2-Heptene (cis)	526 U
2-Pentene (cis)	526 U	2,2-Dimethylhexane	526 U
Tertiary butanol	6570 U	Methylcyclohexane	526 U
2,2-Dimethylbutane	526 U	2,5-Dimethylhexane	526 U
4-Methyl-1-pentene	526 U	2,4-Dimethylhexane	526 U
Cyclopentane	526 U	Ethylcyclopentane	526 U
2,3-Dimethylbutane	526 U	2,2,3-Trimethylpentane	526 U
2-Methylpentane	526 U	1,2,3-Trimethylcyclopentane (ctc)	526 U
MTBE	526 U	2,3,4-Trimethylpentane	526 U
3-Methylpentane	526 U	2,3,3-Trimethylpentane	526 U
1-Hexene	526 U	2,3-Dimethylhexane	526 U
Hexane	526 U	2-Methylheptane	526 U
Diisopropyl Ether (DIPE)	526 U	4-Methylheptane	526 U
2-Hexene (trans)	526 U	3-Methylheptane	526 U
2-Methyl-2-pentene	526 U	3-Ethylhexane	526 U
2-Hexene (cis)	526 U	Toluene	526 U
Ethyl Tertiary Butyl Ether (ETBE)	526 U	2-Methylthiophene	526 U
2,2-Dimethylpentane	526 U	1,4-Dimethylcyclohexane (trans)	526 U
Methylcyclopentane	526 U	3-Methylthiophene	526 U
2,4-Dimethylpentane	526 U	1-Octene	526 U
2,2,3-Trimethylbutane	526 U	Octane	526 U
1,2-Dichloroethane	526 U	1,2-Dimethylcyclohexane (trans)	526 U
3,3-Dimethylpentane	526 U	1,2-Dibromoethane	1320 U
Cyclohexane	526 U	1,2,3-TMCP(ccc)/2-Octene (trans)	1050 U
2-Methylhexane	526 U	2-Octene (cis)	526 U
Benzene	526 U	Isopropylcyclopentane	526 U
2,3-Dimethylpentane	526 U	1,2-Dimethylcyclohexane (cis)	526 U
Thiophene	526 U	2,5-Dimethylheptane	526 U
1,1-Dimethylcyclopentane	526 U	3,5-Dimethylheptane	526 U
3-Methylhexane	526 U	3,3-Dimethylheptane	526 U
TAME	526 U	1,1,4-Trimethylcyclohexane	526 U
1,3-Dimethylcyclopentane (cis)	526 U	2,3-Dimethylheptane	526 U
3-Ethylpentane	526 U	3,4-Dimethylheptane	526 U
1,3-DMCP (trans)/2-Methyl-1-hexene ¹	1050 U		

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PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Empsall Plaza Area**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **1106100-02E**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
06/14/11	06/15/11	06/21/11	88.1	5	6.19	0.1	5	5	MLR

Parameter	Result	Parameter	Result
4-Methyloctane	526 U	1-Methyl-2-isopropylbenzene	526 U
2-Methyloctane	526 U	Indan	526 U
Ethylbenzene	526 U	1,3-Diethylbenzene	526 U
2-Ethylthiophene	526 U	1-Methyl-3-propylbenzene	526 U
3-Methyloctane	526 U	1-Methyl-4-propylbenzene	526 U
3,3-Diethylpentane	526 U	n-Butylbenzene	526 U
p/m-Xylene	1050 U	1,2-Dimethyl-4-ethylbenzene	526 U
1-Nonene	526 U	1,2-Diethylbenzene	526 U
3-Nonene (trans)	526 U	1-Methyl-2-propylbenzene	526 U
3-Nonene (cis)	526 U	1,4-Dimethyl-2-ethylbenzene	526 U
Nonane	526 U	Undecane	526 U
Styrene	526 U	1,3-Dimethyl-4-ethylbenzene	526 U
o-Xylene	526 U	1,3-Dimethyl-5-ethylbenzene	526 U
2-Nonene	526 U	1,3-Dimethyl-2-ethylbenzene	526 U
Isopropylcyclohexane	526 U	1,2-Dimethyl-3-ethylbenzene	526 U
Isopropylbenzene	526 U	1,2,4,5-Tetramethylbenzene	526 U
3,3-Dimethyloctane	526 U	1,2,3,5-Tetramethylbenzene	526 U
n-Propylbenzene	526 U	Pentylbenzene	526 U
2-Methylnonane	526 U	Indene	526 U
3-Methylnonane	526 U	1,2,3,4-Tetramethylbenzene	526 U
1-Methyl-3-ethylbenzene	526 U	1-t-Butyl-3,5-Dimethylbenzene	526 U
1-Methyl-4-ethylbenzene	526 U	Dodecane	526 U
1,3,5-Trimethylbenzene	526 U	1,3,5-Triethylbenzene	526 U
1-Decene	526 U	Naphthalene	16300
Isobutylcyclohexane	526 U	Benzothiophene	526 U
1-Methyl-2-ethylbenzene	526 U	1,2,4-Triethylbenzene	526 U
Decane	526 U	Hexylbenzene	526 U
tert-Butylbenzene	526 U	MMT	1320 U
1,2,4-Trimethylbenzene	526 U	Tridecane	1320 U
Isobutylbenzene	526 U	2-Methylnaphthalene	22700 B
sec-Butylbenzene	526 U	1-Methylnaphthalene	32900 B
1-Methyl-3-isopropylbenzene	17900	Tetradecane	1320 U
1-Methyl-4-isopropylbenzene	526 U	Pentadecane	1320 U
1,2,3-Trimethylbenzene	526 U		

¹ = These two compounds are reported as a co-eluting pair.

Surrogate	% Recovery	Acceptance Range (%)
2-Bromo-1-chloropropane	93	70-130
1-Chloro-2-fluorobenzene	99	70-130
1,4-Dichlorobutane	89	70-130
Dibromofluoromethane	101	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	95	70-130

N/A - Not Applicable

B - Found in associated blank as well as sample.

U - The analyte was analyzed for but not detected at the sample specific level reported.

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PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Trip Blank**
 Case: **N/A** SDG: **N/A**
 Matrix: **Water**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **1106100-03**
 Associated Blank: **VO061611B05**
 Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
04/01/11	06/15/11	06/16/11	5	5	1	MLR

Parameter	Result	Parameter	Result
3-Methyl-1-butene	2.00 U	1-Heptene/1,2-DMCP (trans) ¹	4.00 U
Isopentane	2.00 U	Isooctane	2.00 U
1-Pentene	2.00 U	3-Heptene (trans)	2.00 U
2-Methyl-1-butene	2.00 U	Heptane	2.00 U
Pentane	2.00 U	3-Heptene (cis)	2.00 U
2-Pentene (trans)	2.00 U	2-Heptene (trans)	2.00 U
2-Methyl-1,3-butadiene	2.00 U	2-Heptene (cis)	2.00 U
2-Pentene (cis)	2.00 U	2,2-Dimethylhexane	2.00 U
Tertiary butanol	25.0 U	Methylcyclohexane	2.00 U
2,2-Dimethylbutane	2.00 U	2,5-Dimethylhexane	2.00 U
4-Methyl-1-pentene	2.00 U	2,4-Dimethylhexane	2.00 U
Cyclopentane	2.00 U	Ethylcyclopentane	2.00 U
2,3-Dimethylbutane	2.00 U	2,2,3-Trimethylpentane	2.00 U
2-Methylpentane	2.00 U	1,2,3-Trimethylcyclopentane (ctc)	2.00 U
MTBE	2.00 U	2,3,4-Trimethylpentane	2.00 U
3-Methylpentane	2.00 U	2,3,3-Trimethylpentane	2.00 U
1-Hexene	2.00 U	2,3-Dimethylhexane	2.00 U
Hexane	2.00 U	2-Methylheptane	2.00 U
Diisopropyl Ether (DIPE)	2.00 U	4-Methylheptane	2.00 U
2-Hexene (trans)	2.00 U	3-Methylheptane	2.00 U
2-Methyl-2-pentene	2.00 U	3-Ethylhexane	2.00 U
2-Hexene (cis)	2.00 U	Toluene	2.00 U
Ethyl Tertiary Butyl Ether (ETBE)	2.00 U	2-Methylthiophene	2.00 U
2,2-Dimethylpentane	2.00 U	1,4-Dimethylcyclohexane (trans)	2.00 U
Methylcyclopentane	2.00 U	3-Methylthiophene	2.00 U
2,4-Dimethylpentane	2.00 U	1-Octene	2.00 U
2,2,3-Trimethylbutane	2.00 U	Octane	2.00 U
1,2-Dichloroethane	2.00 U	1,2-Dimethylcyclohexane (trans)	2.00 U
3,3-Dimethylpentane	2.00 U	1,2-Dibromoethane	5.00 U
Cyclohexane	2.00 U	1,2,3-TMCP(ccc)/2-Octene (trans)	4.00 U
2-Methylhexane	2.00 U	2-Octene (cis)	2.00 U
Benzene	2.00 U	Isopropylcyclopentane	2.00 U
2,3-Dimethylpentane	2.00 U	1,2-Dimethylcyclohexane (cis)	2.00 U
Thiophene	2.00 U	2,5-Dimethylheptane	2.00 U
1,1-Dimethylcyclopentane	2.00 U	3,5-Dimethylheptane	2.00 U
3-Methylhexane	2.00 U	3,3-Dimethylheptane	2.00 U
TAME	2.00 U	1,1,4-Trimethylcyclohexane	2.00 U
1,3-Dimethylcyclopentane (cis)	2.00 U	2,3-Dimethylheptane	2.00 U
3-Ethylpentane	2.00 U	3,4-Dimethylheptane	2.00 U
1,3-DMCP (trans)/2-Methyl-1-hexene ¹	4.00 U		

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Trip Blank**
 Case: **N/A** SDG: **N/A**
 Matrix: **Water**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **1106100-03**
 Associated Blank: **VO061611B05**
 Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
04/01/11	06/15/11	06/16/11	5	5	1	MLR

Parameter	Result	Parameter	Result
4-Methyloctane	2.00 U	1-Methyl-2-isopropylbenzene	2.00 U
2-Methyloctane	2.00 U	Indan	2.00 U
Ethylbenzene	2.00 U	1,3-Diethylbenzene	2.00 U
2-Ethylthiophene	2.00 U	1-Methyl-3-propylbenzene	2.00 U
3-Methyloctane	2.00 U	1-Methyl-4-propylbenzene	2.00 U
3,3-Diethylpentane	2.00 U	n-Butylbenzene	2.00 U
p/m-Xylene	4.00 U	1,2-Dimethyl-4-ethylbenzene	2.00 U
1-Nonene	2.00 U	1,2-Diethylbenzene	2.00 U
3-Nonene (trans)	2.00 U	1-Methyl-2-propylbenzene	2.00 U
3-Nonene (cis)	2.00 U	1,4-Dimethyl-2-ethylbenzene	2.00 U
Nonane	2.00 U	Undecane	2.00 U
Styrene	2.00 U	1,3-Dimethyl-4-ethylbenzene	2.00 U
o-Xylene	2.00 U	1,3-Dimethyl-5-ethylbenzene	2.00 U
2-Nonene	2.00 U	1,3-Dimethyl-2-ethylbenzene	2.00 U
Isopropylcyclohexane	2.00 U	1,2-Dimethyl-3-ethylbenzene	2.00 U
Isopropylbenzene	2.00 U	1,2,4,5-Tetramethylbenzene	2.00 U
3,3-Dimethyloctane	2.00 U	1,2,3,5-Tetramethylbenzene	2.00 U
n-Propylbenzene	2.00 U	Pentylbenzene	2.00 U
2-Methylnonane	2.00 U	Indene	2.00 U
3-Methylnonane	2.00 U	1,2,3,4-Tetramethylbenzene	2.00 U
1-Methyl-3-ethylbenzene	2.00 U	1-t-Butyl-3,5-Dimethylbenzene	2.00 U
1-Methyl-4-ethylbenzene	2.00 U	Dodecane	2.00 U
1,3,5-Trimethylbenzene	2.00 U	1,3,5-Triethylbenzene	2.00 U
1-Decene	2.00 U	Naphthalene	2.00 U
Isobutylcyclohexane	2.00 U	Benzothiophene	2.00 U
1-Methyl-2-ethylbenzene	2.00 U	1,2,4-Triethylbenzene	2.00 U
Decane	2.00 U	Hexylbenzene	2.00 U
tert-Butylbenzene	2.00 U	MMT	5.00 U
1,2,4-Trimethylbenzene	2.00 U	Tridecane	5.00 U
Isobutylbenzene	2.00 U	2-Methylnaphthalene	0.24 JB
sec-Butylbenzene	2.00 U	1-Methylnaphthalene	5.00 U
1-Methyl-3-isopropylbenzene	2.00 U	Tetradecane	5.00 U
1-Methyl-4-isopropylbenzene	2.00 U	Pentadecane	5.00 U
1,2,3-Trimethylbenzene	2.00 U		

' = These two compounds are reported as a co-eluting pair.

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	92	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	99	70-130

N/A - Not Applicable

B - Found in associated blank as well as sample.

J - Estimated value, below quantitation limit.

U - The analyte was analyzed for but not detected at the sample specific level reported.

06/22/11 11:20

Blank PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Blank**
 Case: **N/A** SDG: **N/A**
 Matrix: **Water**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **VO061611B05**
 Associated Blank: **N/A**
 Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/16/11	5	5	1	MLR

Parameter	Result	Parameter	Result
3-Methyl-1-butene	2.00 U	1-Heptene/1,2-DMCP (trans) ¹	4.00 U
Isopentane	2.00 U	Isooctane	2.00 U
1-Pentene	2.00 U	3-Heptene (trans)	2.00 U
2-Methyl-1-butene	2.00 U	Heptane	2.00 U
Pentane	2.00 U	3-Heptene (cis)	2.00 U
2-Pentene (trans)	2.00 U	2-Heptene (trans)	2.00 U
2-Methyl-1,3-butadiene	2.00 U	2-Heptene (cis)	2.00 U
2-Pentene (cis)	2.00 U	2,2-Dimethylhexane	2.00 U
Tertiary butanol	25.0 U	Methylcyclohexane	2.00 U
2,2-Dimethylbutane	2.00 U	2,5-Dimethylhexane	2.00 U
4-Methyl-1-pentene	2.00 U	2,4-Dimethylhexane	2.00 U
Cyclopentane	2.00 U	Ethylcyclopentane	2.00 U
2,3-Dimethylbutane	2.00 U	2,2,3-Trimethylpentane	2.00 U
2-Methylpentane	2.00 U	1,2,3-Trimethylcyclopentane (etc)	2.00 U
MTBE	2.00 U	2,3,4-Trimethylpentane	2.00 U
3-Methylpentane	2.00 U	2,3,3-Trimethylpentane	2.00 U
1-Hexene	2.00 U	2,3-Dimethylhexane	2.00 U
Hexane	2.00 U	2-Methylheptane	2.00 U
Diisopropyl Ether (DIPE)	2.00 U	4-Methylheptane	2.00 U
2-Hexene (trans)	2.00 U	3-Methylheptane	2.00 U
2-Methyl-2-pentene	2.00 U	3-Ethylhexane	2.00 U
2-Hexene (cis)	2.00 U	Toluene	2.00 U
Ethyl Tertiary Butyl Ether (ETBE)	2.00 U	2-Methylthiophene	2.00 U
2,2-Dimethylpentane	2.00 U	1,4-Dimethylcyclohexane (trans)	2.00 U
Methylcyclopentane	2.00 U	3-Methylthiophene	2.00 U
2,4-Dimethylpentane	2.00 U	1-Octene	2.00 U
2,2,3-Trimethylbutane	2.00 U	Octane	2.00 U
1,2-Dichloroethane	2.00 U	1,2-Dimethylcyclohexane (trans)	2.00 U
3,3-Dimethylpentane	2.00 U	1,2-Dibromoethane	5.00 U
Cyclohexane	2.00 U	1,2,3-TMCP(ccc)/2-Octene (trans)	4.00 U
2-Methylhexane	2.00 U	2-Octene (cis)	2.00 U
Benzene	2.00 U	Isopropylcyclopentane	2.00 U
2,3-Dimethylpentane	2.00 U	1,2-Dimethylcyclohexane (cis)	2.00 U
Thiophene	2.00 U	2,5-Dimethylheptane	2.00 U
1,1-Dimethylcyclopentane	2.00 U	3,5-Dimethylheptane	2.00 U
3-Methylhexane	2.00 U	3,3-Dimethylheptane	2.00 U
TAME	2.00 U	1,1,4-Trimethylcyclohexane	2.00 U
1,3-Dimethylcyclopentane (cis)	2.00 U	2,3-Dimethylheptane	2.00 U
3-Ethylpentane	2.00 U	3,4-Dimethylheptane	2.00 U
1,3-DMCP (trans)/2-Methyl-1-hexene ¹	4.00 U		

Blank PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Blank**
 Case: **N/A** SDG: **N/A**
 Matrix: **Water**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **VO061611B05**
 Associated Blank: **N/A**
 Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/16/11	5	5	1	MLR

Parameter	Result	Parameter	Result
4-Methyloctane	2.00 U	1-Methyl-2-isopropylbenzene	2.00 U
2-Methyloctane	2.00 U	Indan	2.00 U
Ethylbenzene	2.00 U	1,3-Diethylbenzene	2.00 U
2-Ethylthiophene	2.00 U	1-Methyl-3-propylbenzene	2.00 U
3-Methyloctane	2.00 U	1-Methyl-4-propylbenzene	2.00 U
3,3-Diethylpentane	2.00 U	n-Butylbenzene	2.00 U
p/m-Xylene	4.00 U	1,2-Dimethyl-4-ethylbenzene	2.00 U
1-Nonene	2.00 U	1,2-Diethylbenzene	2.00 U
3-Nonene (trans)	2.00 U	1-Methyl-2-propylbenzene	2.00 U
3-Nonene (cis)	2.00 U	1,4-Dimethyl-2-ethylbenzene	2.00 U
Nonane	2.00 U	Undecane	2.00 U
Styrene	2.00 U	1,3-Dimethyl-4-ethylbenzene	2.00 U
o-Xylene	2.00 U	1,3-Dimethyl-5-ethylbenzene	2.00 U
2-Nonene	2.00 U	1,3-Dimethyl-2-ethylbenzene	2.00 U
Isopropylcyclohexane	2.00 U	1,2-Dimethyl-3-ethylbenzene	2.00 U
Isopropylbenzene	2.00 U	1,2,4,5-Tetramethylbenzene	2.00 U
3,3-Dimethyloctane	2.00 U	1,2,3,5-Tetramethylbenzene	2.00 U
n-Propylbenzene	2.00 U	Pentylbenzene	2.00 U
2-Methylnonane	2.00 U	Indene	2.00 U
3-Methylnonane	2.00 U	1,2,3,4-Tetramethylbenzene	2.00 U
1-Methyl-3-ethylbenzene	2.00 U	1-t-Butyl-3,5-Dimethylbenzene	2.00 U
1-Methyl-4-ethylbenzene	2.00 U	Dodecane	2.00 U
1,3,5-Trimethylbenzene	2.00 U	1,3,5-Triethylbenzene	2.00 U
1-Decene	2.00 U	Naphthalene	2.00 U
Isobutylcyclohexane	2.00 U	Benzothiophene	2.00 U
1-Methyl-2-ethylbenzene	2.00 U	1,2,4-Triethylbenzene	2.00 U
Decane	2.00 U	Hexylbenzene	2.00 U
tert-Butylbenzene	2.00 U	MMT	5.00 U
1,2,4-Trimethylbenzene	0.18 J	Tridecane	5.00 U
Isobutylbenzene	2.00 U	2-Methylnaphthalene	0.79 J
sec-Butylbenzene	2.00 U	1-Methylnaphthalene	0.30 J
1-Methyl-3-isopropylbenzene	2.00 U	Tetradecane	5.00 U
1-Methyl-4-isopropylbenzene	2.00 U	Pentadecane	5.00 U
1,2,3-Trimethylbenzene	2.00 U		

¹ = These two compounds are reported as a co-eluting pair.

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	97	70-130

N/A - Not Applicable

J - Estimated value, below quantitation limit.

U - The analyte was analyzed for but not detected at the sample specific level reported.

Blank PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
Project: **Anthony Street**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Soil**

Lab Code: **MA00030**
ETR: **1106100**
Lab ID: **VO061711B02**
Associated Blank: **N/A**
Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/20/11	100	5	5.00	0.1	5	1	MLR

Parameter	Result
3-Methyl-1-butene	100 U
Isopentane	100 U
1-Pentene	100 U
2-Methyl-1-butene	100 U
Pentane	100 U
2-Pentene (trans)	100 U
2-Methyl-1,3-butadiene	100 U
2-Pentene (cis)	100 U
Tertiary butanol	1250 U
2,2-Dimethylbutane	100 U
4-Methyl-1-pentene	100 U
Cyclopentane	100 U
2,3-Dimethylbutane	100 U
2-Methylpentane	100 U
MTBE	100 U
3-Methylpentane	100 U
1-Hexene	100 U
Hexane	100 U
Diisopropyl Ether (DIPE)	100 U
2-Hexene (trans)	100 U
2-Methyl-2-pentene	100 U
2-Hexene (cis)	100 U
Ethyl Tertiary Butyl Ether (ETBE)	100 U
2,2-Dimethylpentane	100 U
Methylcyclopentane	100 U
2,4-Dimethylpentane	100 U
2,2,3-Trimethylbutane	100 U
1,2-Dichloroethane	100 U
3,3-Dimethylpentane	100 U
Cyclohexane	100 U
2-Methylhexane	100 U
Benzene	100 U
2,3-Dimethylpentane	100 U
Thiophene	100 U
1,1-Dimethylcyclopentane	100 U
3-Methylhexane	100 U
TAME	100 U
1,3-Dimethylcyclopentane (cis)	100 U
3-Ethylpentane	100 U
1,3-DMCP (trans)/2-Methyl-1-hexene ¹	200 U

Parameter	Result
1-Heptene/1,2-DMCP (trans) ¹	200 U
Isooctane	100 U
3-Heptene (trans)	100 U
Heptane	100 U
3-Heptene (cis)	100 U
2-Heptene (trans)	100 U
2-Heptene (cis)	100 U
2,2-Dimethylhexane	100 U
Methylcyclohexane	100 U
2,5-Dimethylhexane	100 U
2,4-Dimethylhexane	100 U
Ethylcyclopentane	100 U
2,2,3-Trimethylpentane	100 U
1,2,3-Trimethylcyclopentane (ctc)	100 U
2,3,4-Trimethylpentane	100 U
2,3,3-Trimethylpentane	100 U
2,3-Dimethylhexane	100 U
2-Methylheptane	100 U
4-Methylheptane	100 U
3-Methylheptane	100 U
3-Ethylhexane	100 U
Toluene	100 U
2-Methylthiophene	100 U
1,4-Dimethylcyclohexane (trans)	100 U
3-Methylthiophene	100 U
1-Octene	100 U
Octane	100 U
1,2-Dimethylcyclohexane (trans)	100 U
1,2-Dibromoethane	250 U
1,2,3-TMCP(ccc)/2-Octene (trans)	200 U
2-Octene (cis)	100 U
Isopropylcyclopentane	100 U
1,2-Dimethylcyclohexane (cis)	100 U
2,5-Dimethylheptane	100 U
3,5-Dimethylheptane	100 U
3,3-Dimethylheptane	100 U
1,1,4-Trimethylcyclohexane	100 U
2,3-Dimethylheptane	100 U
3,4-Dimethylheptane	100 U

Blank PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
Project: **Anthony Street**
Client ID: **Blank**
Case: **N/A** SDG: **N/A**
Matrix: **Soil**

Lab Code: **MA00030**
ETR: **1106100**
Lab ID: **VO061711B02**
Associated Blank: **N/A**
Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/20/11	100	5	5.00	0.1	5	1	MLR

Parameter	Result	Parameter	Result
4-Methyloctane	100 U	1-Methyl-2-isopropylbenzene	100 U
2-Methyloctane	100 U	Indan	100 U
Ethylbenzene	100 U	1,3-Diethylbenzene	100 U
2-Ethylthiophene	100 U	1-Methyl-3-propylbenzene	100 U
3-Methyloctane	100 U	1-Methyl-4-propylbenzene	100 U
3,3-Diethylpentane	100 U	n-Butylbenzene	100 U
p/m-Xylene	200 U	1,2-Dimethyl-4-ethylbenzene	100 U
1-Nonene	100 U	1,2-Diethylbenzene	100 U
3-Nonene (trans)	100 U	1-Methyl-2-propylbenzene	100 U
3-Nonene (cis)	100 U	1,4-Dimethyl-2-ethylbenzene	100 U
Nonane	100 U	Undecane	100 U
Styrene	100 U	1,3-Dimethyl-4-ethylbenzene	100 U
o-Xylene	100 U	1,3-Dimethyl-5-ethylbenzene	100 U
2-Nonene	100 U	1,3-Dimethyl-2-ethylbenzene	100 U
Isopropylcyclohexane	100 U	1,2-Dimethyl-3-ethylbenzene	100 U
Isopropylbenzene	100 U	1,2,4,5-Tetramethylbenzene	100 U
3,3-Dimethyloctane	100 U	1,2,3,5-Tetramethylbenzene	100 U
n-Propylbenzene	100 U	Pentylbenzene	100 U
2-Methylnonane	100 U	Indene	100 U
3-Methylnonane	100 U	1,2,3,4-Tetramethylbenzene	100 U
1-Methyl-3-ethylbenzene	100 U	1-t-Butyl-3,5-Dimethylbenzene	100 U
1-Methyl-4-ethylbenzene	100 U	Dodecane	100 U
1,3,5-Trimethylbenzene	100 U	1,3,5-Triethylbenzene	100 U
1-Decene	100 U	Naphthalene	100 U
Isobutylcyclohexane	100 U	Benzothiophene	100 U
1-Methyl-2-ethylbenzene	100 U	1,2,4-Triethylbenzene	100 U
Decane	100 U	Hexylbenzene	100 U
tert-Butylbenzene	100 U	MMT	250 U
1,2,4-Trimethylbenzene	100 U	Tridecane	250 U
Isobutylbenzene	100 U	2-Methylnaphthalene	40.8 J
sec-Butylbenzene	100 U	1-Methylnaphthalene	11.4 J
1-Methyl-3-isopropylbenzene	100 U	Tetradecane	250 U
1-Methyl-4-isopropylbenzene	100 U	Pentadecane	250 U
1,2,3-Trimethylbenzene	100 U		

¹ = These two compounds are reported as a co-eluting pair.

Surrogate	% Recovery	Acceptance Range (%)
2-Bromo-1-chloropropane	104	70-130
1-Chloro-2-fluorobenzene	108	70-130
1,4-Dichlorobutane	97	70-130
Dibromofluoromethane	104	70-130
Toluene-d8	107	70-130
4-Bromofluorobenzene	94	70-130

N/A - Not Applicable

J - Estimated value, below quantitation limit.

U - The analyte was analyzed for but not detected at the sample specific level reported.

Laboratory Control Summary

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Laboratory Control Sample**
 Case: **N/A** SDG: **N/A**
 Matrix: **Water**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **See Below**
 Associated Blank: **VO061611B05**
 Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/16/11	5	5	1	MLR

Lab ID: VO061611B05 VO061611LCS03 VO061611LCSD03

Parameter	Blank Conc.		LCS Conc.	% Recovery	LCSD Conc.	% Recovery	% RPD	RPD Limit	% Recovery Limits
1-Pentene	2.00	U	18.9	95	19.4	97	3	30	50-130
Pentane	2.00	U	18.9	94	18.9	95	0	30	50-130
Tertiary butanol	25.0	U	100	100	97.7	98	3	30	50-130
Cyclopentane	2.00	U	20.5	102	21.4	107	4	30	50-130
2-Methylpentane	2.00	U	20.7	103	21.8	109	5	30	50-130
MTBE	2.00	U	20.2	101	20.4	102	1	30	50-130
3-Methylpentane	2.00	U	21.0	105	22.0	110	5	30	50-130
1-Hexene	2.00	U	20.6	103	21.3	106	3	30	50-130
Hexane	2.00	U	19.9	100	20.8	104	4	30	50-130
Diisopropyl Ether (DIPE)	2.00	U	19.3	96	19.8	99	3	30	50-130
Ethyl Tertiary Butyl Ether (ETBE)	2.00	U	19.9	100	20.4	102	2	30	50-130
Methylcyclopentane	2.00	U	20.2	101	21.0	105	4	30	50-130
2,4-Dimethylpentane	2.00	U	18.8	94	19.4	97	3	30	50-130
Cyclohexane	2.00	U	19.9	99	20.8	104	4	30	50-130
2-Methylhexane	2.00	U	18.5	93	19.1	96	3	30	50-130
Benzene	2.00	U	21.2	106	21.7	109	3	30	50-130
2,3-Dimethylpentane	2.00	U	18.8	94	19.2	96	2	30	50-130
3-Methylhexane	2.00	U	17.6	88	18.3	91	4	30	50-130
TAME	2.00	U	18.6	93	18.8	94	1	30	50-130
1-Heptene/1,2-DMCP (trans) ¹	4.00	U	13.8	69	14.2	71	3	30	50-130
Isooctane	2.00	U	20.2	101	20.9	105	4	30	50-130
Heptane	2.00	U	17.5	87	18.1	91	4	30	50-130
Methylcyclohexane	2.00	U	21.0	105	21.3	107	2	30	50-130
2-Methylheptane	2.00	U	19.7	98	20.2	101	3	30	50-130
3-Methylheptane	2.00	U	17.7	88	18.4	92	4	30	50-130
Toluene	2.00	U	20.9	104	21.3	107	2	30	50-130
Octane	2.00	U	18.3	92	19.1	95	4	30	50-130
Ethylbenzene	2.00	U	20.3	102	21.0	105	3	30	50-130
p/m-Xylene	4.00	U	41.8	104	43.4	108	4	30	50-130
Nonane	2.00	U	17.3	86	18.0	90	4	30	50-130
o-Xylene	2.00	U	21.1	106	21.7	108	3	30	50-130
Isopropylbenzene	2.00	U	22.6	113	23.3	116	3	30	50-130
n-Propylbenzene	2.00	U	20.6	103	21.4	107	4	30	50-130

Laboratory Control Summary

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Laboratory Control Sample**
 Case: **N/A** SDG: **N/A**
 Matrix: **Water**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **See Below**
 Associated Blank: **VO061611B05**
 Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/16/11	5	5	1	MLR

Lab ID: VO061611B05 VO061611LCS03 VO061611LCSD03

Parameter	Blank Conc.		LCS Conc.	% Recovery	LCSD Conc.	% Recovery	% RPD	RPD Limit	% Recovery Limits
1-Methyl-3-ethylbenzene	2.00	U	21.3	107	22.0	110	3	30	50-130
1-Methyl-4-ethylbenzene	2.00	U	21.4	107	22.0	110	3	30	50-130
1,3,5-Trimethylbenzene	2.00	U	21.1	106	21.9	109	4	30	50-130
1-Decene	2.00	U	16.9	85	17.7	89	5	30	50-130
1-Methyl-2-ethylbenzene	2.00	U	21.4	107	22.2	111	4	30	50-130
Decane	2.00	U	19.0	95	19.8	99	4	30	50-130
1,2,4-Trimethylbenzene	0.18		21.2	106	21.7	109	2	30	50-130
sec-Butylbenzene	2.00	U	21.1	105	21.9	110	4	30	50-130
1-Methyl-4-propylbenzene	2.00	U	21.2	106	21.9	109	3	30	50-130
n-Butylbenzene	2.00	U	20.8	104	21.7	109	4	30	50-130
1,2-Diethylbenzene	2.00	U	21.5	107	21.9	110	2	30	50-130
Undecane	2.00	U	21.2	106	21.7	109	3	30	50-130
Pentylbenzene	2.00	U	20.4	102	21.0	105	3	30	50-130
Dodecane	2.00	U	23.0	115	23.0	115	0	30	50-130

Surrogate	% Recovery		Acceptance Range (%)
Dibromofluoromethane	91	92	70-130
Toluene-d8	97	98	70-130
4-Bromofluorobenzene	99	99	70-130

N/A - Not Applicable

U - The analyte was analyzed for but not detected at the sample specific level reported.

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

06/21/11 15:14

Laboratory Control Summary

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Laboratory Control Sample**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **See Below**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/20/11	100	5	5.00	0.1	5	1	MLR

Lab ID: VO061711B02 VO061711LCS01 VO061711LCSD01

Parameter	Blank Conc.		LCS Conc.	% Recovery	LCSD Conc.	% Recovery	% RPD	RPD Limit	% Recovery Limits
1-Pentene	100	U	919	92	962	96	5	30	50-130
Pentane	100	U	900	90	968	97	7	30	50-130
Tertiary butanol	1250	U	4590	92	5220	104	13	30	50-130
Cyclopentane	100	U	986	99	1020	102	4	30	50-130
2-Methylpentane	100	U	1020	102	1050	105	3	30	50-130
MTBE	100	U	969	97	1040	104	7	30	50-130
3-Methylpentane	100	U	1020	102	1060	106	4	30	50-130
1-Hexene	100	U	996	100	1020	102	2	30	50-130
Hexane	100	U	969	97	1000	100	3	30	50-130
Diisopropyl Ether (DIPE)	100	U	951	95	978	98	3	30	50-130
Ethyl Tertiary Butyl Ether (ETBE)	100	U	977	98	984	98	1	30	50-130
Methylcyclopentane	100	U	992	99	1020	102	3	30	50-130
2,4-Dimethylpentane	100	U	929	93	950	95	2	30	50-130
Cyclohexane	100	U	974	97	1000	100	3	30	50-130
2-Methylhexane	100	U	904	90	944	94	4	30	50-130
Benzene	100	U	1020	102	1030	103	2	30	50-130
2,3-Dimethylpentane	100	U	894	89	934	93	4	30	50-130
3-Methylhexane	100	U	856	86	883	88	3	30	50-130
TAME	100	U	915	91	928	93	1	30	50-130
1-Heptene/1,2-DMCP (trans) ¹	200	U	656	66	692	69	5	30	50-130
Isooctane	100	U	977	98	1010	101	3	30	50-130
Heptane	100	U	842	84	878	88	4	30	50-130
Methylcyclohexane	100	U	1010	101	1030	103	2	30	50-130
2-Methylheptane	100	U	948	95	976	98	3	30	50-130
3-Methylheptane	100	U	879	88	897	90	2	30	50-130
Toluene	100	U	993	99	1020	102	2	30	50-130
Octane	100	U	907	91	920	92	1	30	50-130
Ethylbenzene	100	U	960	96	976	98	2	30	50-130
p/m-Xylene	200	U	1990	100	2010	100	1	30	50-130
Nonane	100	U	837	84	850	85	1	30	50-130
o-Xylene	100	U	993	99	1010	101	2	30	50-130
Isopropylbenzene	100	U	1090	109	1100	110	1	30	50-130
n-Propylbenzene	100	U	986	99	995	100	1	30	50-130

Laboratory Control Summary

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Laboratory Control Sample**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **See Below**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/20/11	100	5	5.00	0.1	5	1	MLR

Lab ID: VO061711B02 VO061711LCS01 VO061711LCSD01

Parameter	Blank		LCS		LCSD		% RPD	RPD % Recovery	
	Conc.		Conc.	% Recovery	Conc.	% Recovery		Limit	Limits
1-Methyl-3-ethylbenzene	100	U	1010	101	1020	102	2	30	50-130
1-Methyl-4-ethylbenzene	100	U	1020	102	1020	102	1	30	50-130
1,3,5-Trimethylbenzene	100	U	1010	101	1030	103	1	30	50-130
1-Decene	100	U	829	83	854	85	3	30	50-130
1-Methyl-2-ethylbenzene	100	U	1030	103	1030	103	1	30	50-130
Decane	100	U	940	94	951	95	1	30	50-130
1,2,4-Trimethylbenzene	100	U	998	100	999	100	0	30	50-130
sec-Butylbenzene	100	U	1020	102	1020	103	1	30	50-130
1-Methyl-4-propylbenzene	100	U	1010	101	1020	102	1	30	50-130
n-Butylbenzene	100	U	1010	101	1020	102	1	30	50-130
1,2-Diethylbenzene	100	U	1020	102	1030	103	1	30	50-130
Undecane	100	U	1040	104	1040	104	0	30	50-130
Pentylbenzene	100	U	976	98	1000	100	3	30	50-130
Dodecane	100	U	1150	115	1160	116	1	30	50-130

Surrogate	% Recovery		Acceptance Range (%)
2-Bromo-1-chloropropane	N/A	N/A	70-130
1-Chloro-2-fluorobenzene	N/A	N/A	70-130
1,4-Dichlorobutane	N/A	N/A	70-130
Dibromofluoromethane	103	104	70-130
Toluene-d8	105	105	70-130
4-Bromofluorobenzene	95	95	70-130

N/A - Not Applicable

U - The analyte was analyzed for but not detected at the sample specific level reported.

Concentrations reported as calculated values, which includes rounding for significant figures. Percent recoveries and RPD values are calculated from the unrounded result.

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Laboratory Control Summary

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Laboratory Control Sample**
 Case: **N/A** SDG: **N/A**
 Matrix: **Water**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **VO061611LCS03**
 Associated Blank: **VO061611B05**
 Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/15/11	5	5	1	MLR

Parameter	Result	Parameter	Result
3-Methyl-1-butene	2.00 U	1-Heptene/1,2-DMCP (trans) ¹	13.8 S
Isopentane	2.00 U	Isooctane	20.2 S
1-Pentene	18.9 S	3-Heptene (trans)	2.00 U
2-Methyl-1-butene	2.00 U	Heptane	17.5 S
Pentane	18.9 S	3-Heptene (cis)	2.00 U
2-Pentene (trans)	2.00 U	2-Heptene (trans)	2.00 U
2-Methyl-1,3-butadiene	2.00 U	2-Heptene (cis)	2.00 U
2-Pentene (cis)	2.00 U	2,2-Dimethylhexane	2.00 U
Tertiary butanol	100 S	Methylcyclohexane	21.0 S
2,2-Dimethylbutane	2.00 U	2,5-Dimethylhexane	2.00 U
4-Methyl-1-pentene	2.00 U	2,4-Dimethylhexane	2.00 U
Cyclopentane	20.5 S	Ethylcyclopentane	2.00 U
2,3-Dimethylbutane	2.00 U	2,2,3-Trimethylpentane	2.00 U
2-Methylpentane	20.7 S	1,2,3-Trimethylcyclopentane (ctc)	2.00 U
MTBE	20.2 S	2,3,4-Trimethylpentane	2.00 U
3-Methylpentane	21.0 S	2,3,3-Trimethylpentane	2.00 U
1-Hexene	20.6 S	2,3-Dimethylhexane	2.00 U
Hexane	19.9 S	2-Methylheptane	19.7 S
Diisopropyl Ether (DIPE)	19.3 S	4-Methylheptane	2.00 U
2-Hexene (trans)	2.00 U	3-Methylheptane	17.7 S
2-Methyl-2-pentene	2.00 U	3-Ethylhexane	2.00 U
2-Hexene (cis)	2.00 U	Toluene	20.9 S
Ethyl Tertiary Butyl Ether (ETBE)	19.9 S	2-Methylthiophene	2.00 U
2,2-Dimethylpentane	2.00 U	1,4-Dimethylcyclohexane (trans)	2.00 U
Methylcyclopentane	20.2 S	3-Methylthiophene	2.00 U
2,4-Dimethylpentane	18.8 S	1-Octene	2.00 U
2,2,3-Trimethylbutane	2.00 U	Octane	18.3 S
1,2-Dichloroethane	2.00 U	1,2-Dimethylcyclohexane (trans)	2.00 U
3,3-Dimethylpentane	2.00 U	1,2-Dibromoethane	5.00 U
Cyclohexane	19.9 S	1,2,3-TMCP(ccc)/2-Octene (trans)	4.00 U
2-Methylhexane	18.5 S	2-Octene (cis)	2.00 U
Benzene	21.2 S	Isopropylcyclopentane	2.00 U
2,3-Dimethylpentane	18.8 S	1,2-Dimethylcyclohexane (cis)	2.00 U
Thiophene	2.00 U	2,5-Dimethylheptane	2.00 U
1,1-Dimethylcyclopentane	2.00 U	3,5-Dimethylheptane	2.00 U
3-Methylhexane	17.6 S	3,3-Dimethylheptane	2.00 U
TAME	18.6 S	1,1,4-Trimethylcyclohexane	2.00 U
1,3-Dimethylcyclopentane (cis)	2.00 U	2,3-Dimethylheptane	2.00 U
3-Ethylpentane	2.00 U	3,4-Dimethylheptane	2.00 U
1,3-DMCP (trans)/2-Methyl-1-hexene ¹	4.00 U		

Laboratory Control Summary

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Laboratory Control Sample**
 Case: **N/A** SDG: **N/A**
 Matrix: **Water**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **VO061611LCS03**
 Associated Blank: **VO061611B05**
 Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/15/11	5	5	1	MLR

Parameter	Result	Parameter	Result
4-Methyloctane	2.00 U	1-Methyl-2-isopropylbenzene	2.00 U
2-Methyloctane	2.00 U	Indan	2.00 U
Ethylbenzene	20.3 S	1,3-Diethylbenzene	2.00 U
2-Ethylthiophene	2.00 U	1-Methyl-3-propylbenzene	2.00 U
3-Methyloctane	2.00 U	1-Methyl-4-propylbenzene	21.2 S
3,3-Diethylpentane	2.00 U	n-Butylbenzene	20.8 S
p/m-Xylene	41.8 S	1,2-Dimethyl-4-ethylbenzene	2.00 U
1-Nonene	2.00 U	1,2-Diethylbenzene	21.5 S
3-Nonene (trans)	2.00 U	1-Methyl-2-propylbenzene	2.00 U
3-Nonene (cis)	2.00 U	1,4-Dimethyl-2-ethylbenzene	2.00 U
Nonane	17.3 S	Undecane	21.2 S
Styrene	2.00 U	1,3-Dimethyl-4-ethylbenzene	2.00 U
o-Xylene	21.1 S	1,3-Dimethyl-5-ethylbenzene	21.4
2-Nonene	2.00 U	1,3-Dimethyl-2-ethylbenzene	2.00 U
Isopropylcyclohexane	2.00 U	1,2-Dimethyl-3-ethylbenzene	2.00 U
Isopropylbenzene	22.6 S	1,2,4,5-Tetramethylbenzene	2.00 U
3,3-Dimethyloctane	2.00 U	1,2,3,5-Tetramethylbenzene	2.00 U
n-Propylbenzene	20.6 S	Pentylbenzene	20.4 S
2-Methylnonane	2.00 U	Indene	2.00 U
3-Methylnonane	2.00 U	1,2,3,4-Tetramethylbenzene	2.00 U
1-Methyl-3-ethylbenzene	21.3 S	1-t-Butyl-3,5-Dimethylbenzene	2.00 U
1-Methyl-4-ethylbenzene	21.4 S	Dodecane	23.0 S
1,3,5-Trimethylbenzene	21.1 S	1,3,5-Triethylbenzene	2.00 U
1-Decene	16.9 S	Naphthalene	2.00 U
Isobutylcyclohexane	2.00 U	Benzothiophene	2.00 U
1-Methyl-2-ethylbenzene	21.4 S	1,2,4-Triethylbenzene	2.00 U
Decane	19.0 S	Hexylbenzene	2.00 U
tert-Butylbenzene	2.00 U	MMT	5.00 U
1,2,4-Trimethylbenzene	21.2 BS	Tridecane	5.00 U
Isobutylbenzene	2.00 U	2-Methylnaphthalene	5.00 U
sec-Butylbenzene	21.1 S	1-Methylnaphthalene	5.00 U
1-Methyl-3-isopropylbenzene	2.00 U	Tetradecane	5.00 U
1-Methyl-4-isopropylbenzene	2.00 U	Pentadecane	5.00 U
1,2,3-Trimethylbenzene	2.00 U		

¹ = These two compounds are reported as a co-eluting pair.

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	91	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	99	70-130

N/A - Not Applicable

B - Found in associated blank as well as sample.

U - The analyte was analyzed for but not detected at the sample specific level reported.

S - Spike compound.

Laboratory Control Summary

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Laboratory Control Sample Dup**
 Case: **N/A** SDG: **N/A**
 Matrix: **Water**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **VO061611LCSD03**
 Associated Blank: **VO061611B05**
 Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/16/11	5	5	1	MLR

Parameter	Result
3-Methyl-1-butene	2.00 U
Isopentane	2.00 U
1-Pentene	19.4 S
2-Methyl-1-butene	2.00 U
Pentane	18.9 S
2-Pentene (trans)	2.00 U
2-Methyl-1,3-butadiene	2.00 U
2-Pentene (cis)	2.00 U
Tertiary butanol	97.7 S
2,2-Dimethylbutane	2.00 U
4-Methyl-1-pentene	2.00 U
Cyclopentane	21.4 S
2,3-Dimethylbutane	2.00 U
2-Methylpentane	21.8 S
MTBE	20.4 S
3-Methylpentane	22.0 S
1-Hexene	21.3 S
Hexane	20.8 S
Diisopropyl Ether (DIPE)	19.8 S
2-Hexene (trans)	2.00 U
2-Methyl-2-pentene	2.00 U
2-Hexene (cis)	2.00 U
Ethyl Tertiary Butyl Ether (ETBE)	20.4 S
2,2-Dimethylpentane	2.00 U
Methylcyclopentane	21.0 S
2,4-Dimethylpentane	19.4 S
2,2,3-Trimethylbutane	2.00 U
1,2-Dichloroethane	2.00 U
3,3-Dimethylpentane	2.00 U
Cyclohexane	20.8 S
2-Methylhexane	19.1 S
Benzene	21.7 S
2,3-Dimethylpentane	19.2 S
Thiophene	2.00 U
1,1-Dimethylcyclopentane	2.00 U
3-Methylhexane	18.3 S
TAME	18.8 S
1,3-Dimethylcyclopentane (cis)	2.00 U
3-Ethylpentane	2.00 U
1,3-DMCP (trans)/2-Methyl-1-hexene ¹	4.00 U

Parameter	Result
1-Heptene/1,2-DMCP (trans) ¹	14.2 S
Isooctane	20.9 S
3-Heptene (trans)	2.00 U
Heptane	18.1 S
3-Heptene (cis)	2.00 U
2-Heptene (trans)	2.00 U
2-Heptene (cis)	2.00 U
2,2-Dimethylhexane	2.00 U
Methylcyclohexane	21.3 S
2,5-Dimethylhexane	2.00 U
2,4-Dimethylhexane	2.00 U
Ethylcyclopentane	2.00 U
2,2,3-Trimethylpentane	2.00 U
1,2,3-Trimethylcyclopentane (ctc)	2.00 U
2,3,4-Trimethylpentane	2.00 U
2,3,3-Trimethylpentane	2.00 U
2,3-Dimethylhexane	2.00 U
2-Methylheptane	20.2 S
4-Methylheptane	2.00 U
3-Methylheptane	18.4 S
3-Ethylhexane	2.00 U
Toluene	21.3 S
2-Methylthiophene	2.00 U
1,4-Dimethylcyclohexane (trans)	2.00 U
3-Methylthiophene	2.00 U
1-Octene	2.00 U
Octane	19.1 S
1,2-Dimethylcyclohexane (trans)	2.00 U
1,2-Dibromoethane	5.00 U
1,2,3-TMCP(ccc)/2-Octene (trans)	4.00 U
2-Octene (cis)	2.00 U
Isopropylcyclopentane	2.00 U
1,2-Dimethylcyclohexane (cis)	2.00 U
2,5-Dimethylheptane	2.00 U
3,5-Dimethylheptane	2.00 U
3,3-Dimethylheptane	2.00 U
1,1,4-Trimethylcyclohexane	2.00 U
2,3-Dimethylheptane	2.00 U
3,4-Dimethylheptane	2.00 U

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Laboratory Control Summary

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Laboratory Control Sample Dup**
 Case: **N/A** SDG: **N/A**
 Matrix: **Water**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **VO061611LCSD03**
 Associated Blank: **VO061611B05**
 Concentration Units: **µg/L**

Date Collected	Date Received	Date Analyzed	Sample Amount (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/16/11	5	5	1	MLR

Parameter	Result	Parameter	Result
4-Methyloctane	2.00 U	1-Methyl-2-isopropylbenzene	2.00 U
2-Methyloctane	2.00 U	Indan	2.00 U
Ethylbenzene	21.0 S	1,3-Diethylbenzene	2.00 U
2-Ethylthiophene	2.00 U	1-Methyl-3-propylbenzene	2.00 U
3-Methyloctane	2.00 U	1-Methyl-4-propylbenzene	21.9 S
3,3-Diethylpentane	2.00 U	n-Butylbenzene	21.7 S
p/m-Xylene	43.4 S	1,2-Dimethyl-4-ethylbenzene	2.00 U
1-Nonene	2.00 U	1,2-Diethylbenzene	21.9 S
3-Nonene (trans)	2.00 U	1-Methyl-2-propylbenzene	2.00 U
3-Nonene (cis)	2.00 U	1,4-Dimethyl-2-ethylbenzene	2.00 U
Nonane	18.0 S	Undecane	21.7 S
Styrene	2.00 U	1,3-Dimethyl-4-ethylbenzene	2.00 U
o-Xylene	21.7 S	1,3-Dimethyl-5-ethylbenzene	21.9 S
2-Nonene	2.00 U	1,3-Dimethyl-2-ethylbenzene	2.00 U
Isopropylcyclohexane	2.00 U	1,2-Dimethyl-3-ethylbenzene	2.00 U
Isopropylbenzene	23.3 S	1,2,4,5-Tetramethylbenzene	2.00 U
3,3-Dimethyloctane	2.00 U	1,2,3,5-Tetramethylbenzene	2.00 U
n-Propylbenzene	21.4 S	Pentylbenzene	21.0 S
2-Methylnonane	2.00 U	Indene	2.00 U
3-Methylnonane	2.00 U	1,2,3,4-Tetramethylbenzene	2.00 U
1-Methyl-3-ethylbenzene	22.0 S	1-t-Butyl-3,5-Dimethylbenzene	2.00 U
1-Methyl-4-ethylbenzene	22.0 S	Dodecane	23.0 S
1,3,5-Trimethylbenzene	21.9 S	1,3,5-Triethylbenzene	2.00 U
1-Decene	17.7 S	Naphthalene	2.00 U
Isobutylcyclohexane	2.00 U	Benzothiophene	2.00 U
1-Methyl-2-ethylbenzene	22.2 S	1,2,4-Triethylbenzene	2.00 U
Decane	19.8 S	Hexylbenzene	2.00 U
tert-Butylbenzene	2.00 U	MMT	5.00 U
1,2,4-Trimethylbenzene	21.7 BS	Tridecane	5.00 U
Isobutylbenzene	2.00 U	2-Methylnaphthalene	5.00 U
sec-Butylbenzene	21.9 S	1-Methylnaphthalene	5.00 U
1-Methyl-3-isopropylbenzene	2.00 U	Tetradecane	5.00 U
1-Methyl-4-isopropylbenzene	2.00 U	Pentadecane	5.00 U
1,2,3-Trimethylbenzene	2.00 U		

¹ = These two compounds are reported as a co-eluting pair.

Surrogate	% Recovery	Acceptance Range (%)
Dibromofluoromethane	92	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	99	70-130

N/A - Not Applicable

B - Found in associated blank as well as sample.

U - The analyte was analyzed for but not detected at the sample specific level reported.

S - Spike compound.

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Laboratory Control Summary

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Laboratory Control Sample**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **VO061711LCS01**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/20/11	100	5	5.00	0.1	5	1	MLR

Parameter	Result	Parameter	Result
3-Methyl-1-butene	100 U	1-Heptene/1,2-DMCP (trans) ¹	656 S
Isopentane	100 U	Isooctane	977 S
1-Pentene	919 S	3-Heptene (trans)	100 U
2-Methyl-1-butene	100 U	Heptane	842 S
Pentane	900 S	3-Heptene (cis)	100 U
2-Pentene (trans)	100 U	2-Heptene (trans)	100 U
2-Methyl-1,3-butadiene	100 U	2-Heptene (cis)	100 U
2-Pentene (cis)	100 U	2,2-Dimethylhexane	100 U
Tertiary butanol	4590 S	Methylcyclohexane	1010 S
2,2-Dimethylbutane	100 U	2,5-Dimethylhexane	100 U
4-Methyl-1-pentene	100 U	2,4-Dimethylhexane	100 U
Cyclopentane	986 S	Ethylcyclopentane	100 U
2,3-Dimethylbutane	100 U	2,2,3-Trimethylpentane	100 U
2-Methylpentane	1020 S	1,2,3-Trimethylcyclopentane (ctc)	100 U
MTBE	969 S	2,3,4-Trimethylpentane	100 U
3-Methylpentane	1020 S	2,3,3-Trimethylpentane	100 U
1-Hexene	996 S	2,3-Dimethylhexane	100 U
Hexane	969 S	2-Methylheptane	948 S
Diisopropyl Ether (DIPE)	951 S	4-Methylheptane	100 U
2-Hexene (trans)	100 U	3-Methylheptane	879 S
2-Methyl-2-pentene	100 U	3-Ethylhexane	100 U
2-Hexene (cis)	100 U	Toluene	993 S
Ethyl Tertiary Butyl Ether (ETBE)	977 S	2-Methylthiophene	100 U
2,2-Dimethylpentane	100 U	1,4-Dimethylcyclohexane (trans)	100 U
Methylcyclopentane	992 S	3-Methylthiophene	100 U
2,4-Dimethylpentane	929 S	1-Octene	100 U
2,2,3-Trimethylbutane	100 U	Octane	907 S
1,2-Dichloroethane	100 U	1,2-Dimethylcyclohexane (trans)	100 U
3,3-Dimethylpentane	100 U	1,2-Dibromoethane	250 U
Cyclohexane	974 S	1,2,3-TMCP(ccc)/2-Octene (trans)	200 U
2-Methylhexane	904 S	2-Octene (cis)	100 U
Benzene	1020 S	Isopropylcyclopentane	100 U
2,3-Dimethylpentane	894 S	1,2-Dimethylcyclohexane (cis)	100 U
Thiophene	100 U	2,5-Dimethylheptane	100 U
1,1-Dimethylcyclopentane	100 U	3,5-Dimethylheptane	100 U
3-Methylhexane	856 S	3,3-Dimethylheptane	100 U
TAME	915 S	1,1,4-Trimethylcyclohexane	100 U
1,3-Dimethylcyclopentane (cis)	100 U	2,3-Dimethylheptane	100 U
3-Ethylpentane	100 U	3,4-Dimethylheptane	100 U
1,3-DMCP (trans)/2-Methyl-1-hexene ¹	200 U		

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Laboratory Control Summary

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Laboratory Control Sample**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **VO061711LCS01**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/20/11	100	5	5.00	0.1	5	1	MLR

Parameter	Result	Parameter	Result
4-Methyloctane	100 U	1-Methyl-2-isopropylbenzene	100 U
2-Methyloctane	100 U	Indan	100 U
Ethylbenzene	960 S	1,3-Diethylbenzene	100 U
2-Ethylthiophene	100 U	1-Methyl-3-propylbenzene	100 U
3-Methyloctane	100 U	1-Methyl-4-propylbenzene	1010 S
3,3-Diethylpentane	100 U	n-Butylbenzene	1010 S
p/m-Xylene	1990 S	1,2-Dimethyl-4-ethylbenzene	100 U
1-Nonene	100 U	1,2-Diethylbenzene	1020 S
3-Nonene (trans)	100 U	1-Methyl-2-propylbenzene	100 U
3-Nonene (cis)	100 U	1,4-Dimethyl-2-ethylbenzene	100 U
Nonane	837 S	Undecane	1040 S
Styrene	100 U	1,3-Dimethyl-4-ethylbenzene	100 U
o-Xylene	993 S	1,3-Dimethyl-5-ethylbenzene	1020 S
2-Nonene	100 U	1,3-Dimethyl-2-ethylbenzene	100 U
Isopropylcyclohexane	100 U	1,2-Dimethyl-3-ethylbenzene	100 U
Isopropylbenzene	1090 S	1,2,4,5-Tetramethylbenzene	100 U
3,3-Dimethyloctane	100 U	1,2,3,5-Tetramethylbenzene	100 U
n-Propylbenzene	986 S	Pentylbenzene	976 S
2-Methylnonane	100 U	Indene	100 U
3-Methylnonane	100 U	1,2,3,4-Tetramethylbenzene	100 U
1-Methyl-3-ethylbenzene	1010 S	1-t-Butyl-3,5-Dimethylbenzene	100 U
1-Methyl-4-ethylbenzene	1020 S	Dodecane	1150 S
1,3,5-Trimethylbenzene	1010 S	1,3,5-Triethylbenzene	100 U
1-Decene	829 S	Naphthalene	100 U
Isobutylcyclohexane	100 U	Benzothiophene	100 U
1-Methyl-2-ethylbenzene	1030 S	1,2,4-Triethylbenzene	100 U
Decane	940 S	Hexylbenzene	100 U
tert-Butylbenzene	100 U	MMT	250 U
1,2,4-Trimethylbenzene	998 S	Tridecane	250 U
Isobutylbenzene	100 U	2-Methylnaphthalene	250 U
sec-Butylbenzene	1020 S	1-Methylnaphthalene	250 U
1-Methyl-3-isopropylbenzene	100 U	Tetradecane	250 U
1-Methyl-4-isopropylbenzene	100 U	Pentadecane	250 U
1,2,3-Trimethylbenzene	100 U		

¹ = These two compounds are reported as a co-eluting pair.

Surrogate	% Recovery	Acceptance Range (%)
2-Bromo-1-chloropropane	N/A	70-130
1-Chloro-2-fluorobenzene	N/A	70-130
1,4-Dichlorobutane	N/A	70-130
Dibromofluoromethane	103	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	95	70-130

N/A - Not Applicable

U - The analyte was analyzed for but not detected at the sample specific level reported.

S - Spike compound.

06/21/11 15:15

Laboratory Control Summary

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Laboratory Control Sample Dup**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **VO061711LCSD01**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/20/11	100	5	5.00	0.1	5	1	MLR

Parameter	Result	Parameter	Result
3-Methyl-1-butene	100 U	1-Heptene/1,2-DMCP (trans) ¹	692 S
Isopentane	100 U	Isooctane	1010 S
1-Pentene	962 S	3-Heptene (trans)	100 U
2-Methyl-1-butene	100 U	Heptane	878 S
Pentane	968 S	3-Heptene (cis)	100 U
2-Pentene (trans)	100 U	2-Heptene (trans)	100 U
2-Methyl-1,3-butadiene	100 U	2-Heptene (cis)	100 U
2-Pentene (cis)	100 U	2,2-Dimethylhexane	100 U
Tertiary butanol	5220 S	Methylcyclohexane	1030 S
2,2-Dimethylbutane	100 U	2,5-Dimethylhexane	100 U
4-Methyl-1-pentene	100 U	2,4-Dimethylhexane	100 U
Cyclopentane	1020 S	Ethylcyclopentane	100 U
2,3-Dimethylbutane	100 U	2,2,3-Trimethylpentane	100 U
2-Methylpentane	1050 S	1,2,3-Trimethylcyclopentane (ctc)	100 U
MTBE	1040 S	2,3,4-Trimethylpentane	100 U
3-Methylpentane	1060 S	2,3,3-Trimethylpentane	100 U
1-Hexene	1020 S	2,3-Dimethylhexane	100 U
Hexane	1000 S	2-Methylheptane	976 S
Diisopropyl Ether (DIPE)	978 S	4-Methylheptane	100 U
2-Hexene (trans)	100 U	3-Methylheptane	897 S
2-Methyl-2-pentene	100 U	3-Ethylhexane	100 U
2-Hexene (cis)	100 U	Toluene	1020 S
Ethyl Tertiary Butyl Ether (ETBE)	984 S	2-Methylthiophene	100 U
2,2-Dimethylpentane	100 U	1,4-Dimethylcyclohexane (trans)	100 U
Methylcyclopentane	1020 S	3-Methylthiophene	100 U
2,4-Dimethylpentane	950 S	1-Octene	100 U
2,2,3-Trimethylbutane	100 U	Octane	920 S
1,2-Dichloroethane	100 U	1,2-Dimethylcyclohexane (trans)	100 U
3,3-Dimethylpentane	100 U	1,2-Dibromoethane	250 U
Cyclohexane	1000 S	1,2,3-TMCP(ccc)/2-Octene (trans)	200 U
2-Methylhexane	944 S	2-Octene (cis)	100 U
Benzene	1030 S	Isopropylcyclopentane	100 U
2,3-Dimethylpentane	934 S	1,2-Dimethylcyclohexane (cis)	100 U
Thiophene	100 U	2,5-Dimethylheptane	100 U
1,1-Dimethylcyclopentane	100 U	3,5-Dimethylheptane	100 U
3-Methylhexane	883 S	3,3-Dimethylheptane	100 U
TAME	928 S	1,1,4-Trimethylcyclohexane	100 U
1,3-Dimethylcyclopentane (cis)	100 U	2,3-Dimethylheptane	100 U
3-Ethylpentane	100 U	3,4-Dimethylheptane	100 U
1,3-DMCP (trans)/2-Methyl-1-hexene ¹	200 U		

Laboratory Control Summary

PIANO Volatile Hydrocarbons by GC/MS



Client: **ARCADIS**
 Project: **Anthony Street**
 Client ID: **Laboratory Control Sample Dup**
 Case: **N/A** SDG: **N/A**
 Matrix: **Soil**

Lab Code: **MA00030**
 ETR: **1106100**
 Lab ID: **VO061711LCSD01**
 Associated Blank: **VO061711B02**
 Concentration Units: **µg/Kg**

Date Collected	Date Received	Date Analyzed	Percent Solid	Methanol Volume (ml)	Sample Amount (g)	Extract Volume (ml)	Final Volume (ml)	Dilution Factor	Analyst
N/A	N/A	06/20/11	100	5	5.00	0.1	5	1	MLR

Parameter	Result	Parameter	Result
4-Methyloctane	100 U	1-Methyl-2-isopropylbenzene	100 U
2-Methyloctane	100 U	Indan	100 U
Ethylbenzene	976 S	1,3-Diethylbenzene	100 U
2-Ethylthiophene	100 U	1-Methyl-3-propylbenzene	100 U
3-Methyloctane	100 U	1-Methyl-4-propylbenzene	1020 S
3,3-Diethylpentane	100 U	n-Butylbenzene	1020 S
p/m-Xylene	2010 S	1,2-Dimethyl-4-ethylbenzene	100 U
1-Nonene	100 U	1,2-Diethylbenzene	1030 S
3-Nonene (trans)	100 U	1-Methyl-2-propylbenzene	100 U
3-Nonene (cis)	100 U	1,4-Dimethyl-2-ethylbenzene	100 U
Nonane	850 S	Undecane	1040 S
Styrene	100 U	1,3-Dimethyl-4-ethylbenzene	100 U
o-Xylene	1010 S	1,3-Dimethyl-5-ethylbenzene	1010
2-Nonene	100 U	1,3-Dimethyl-2-ethylbenzene	100 U
Isopropylcyclohexane	100 U	1,2-Dimethyl-3-ethylbenzene	100 U
Isopropylbenzene	1100 S	1,2,4,5-Tetramethylbenzene	100 U
3,3-Dimethyloctane	100 U	1,2,3,5-Tetramethylbenzene	100 U
n-Propylbenzene	995 S	Pentylbenzene	1000 S
2-Methylnonane	100 U	Indene	100 U
3-Methylnonane	100 U	1,2,3,4-Tetramethylbenzene	100 U
1-Methyl-3-ethylbenzene	1020 S	1-t-Butyl-3,5-Dimethylbenzene	100 U
1-Methyl-4-ethylbenzene	1020 S	Dodecane	1160 S
1,3,5-Trimethylbenzene	1030 S	1,3,5-Triethylbenzene	100 U
1-Decene	854 S	Naphthalene	100 U
Isobutylcyclohexane	100 U	Benzothiophene	100 U
1-Methyl-2-ethylbenzene	1030 S	1,2,4-Triethylbenzene	100 U
Decane	951 S	Hexylbenzene	100 U
tert-Butylbenzene	100 U	MMT	250 U
1,2,4-Trimethylbenzene	999 S	Tridecane	250 U
Isobutylbenzene	100 U	2-Methylnaphthalene	250 U
sec-Butylbenzene	1020 S	1-Methylnaphthalene	250 U
1-Methyl-3-isopropylbenzene	100 U	Tetradecane	250 U
1-Methyl-4-isopropylbenzene	100 U	Pentadecane	250 U
1,2,3-Trimethylbenzene	100 U		

¹ = These two compounds are reported as a co-eluting pair.

Surrogate	% Recovery	Acceptance Range (%)
2-Bromo-1-chloropropane	N/A	70-130
1-Chloro-2-fluorobenzene	N/A	70-130
1,4-Dichlorobutane	N/A	70-130
Dibromofluoromethane	104	70-130
Toluene-d8	105	70-130
4-Bromofluorobenzene	95	70-130

N/A - Not Applicable

U - The analyte was analyzed for but not detected at the sample specific level reported.

S - Spike compound.

Chain of Custody Records



Attachment 5

Waste Disposition Documentation

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/24/11 TICKET #: 274320
TIME IN: 12:00 TIME OUT: 12:20

Bill Acct: OPTERNVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TUCLEMCO
Company: T.J. Clement Construction Co., I

TRUCK#: 5075 License#: 75681JB
Container#: License#: 75837JB
GROSS: 47340 LBS
TARE: 31260 Tons
NET: 16080

MATERIAL: 600 - Contaminated Soil
County: 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 188.94
TOTAL FEE: \$188.94

NOTE:

Weighmaster: Jamie Perry
THANK YOU!

1 hr Putter

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/29/11 TICKET #: 274575
TIME IN: 13:10 TIME OUT: 13:26

Bill Acct: OPTERNVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TUCLEMCO
Company: T.J. Clement Construction Co., I

TRUCK#: 5081 License#: 58992JU
Container#: License#: 75837JB
GROSS: 47030 LBS
TARE: 30900 Tons
NET: 16120

MATERIAL: 600 - Contaminated Soil
County: 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 189.41
TOTAL FEE: \$189.41

NOTE:

Weighmaster: Jamie Perry
THANK YOU!

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Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/29/11 TICKET #: 274526
TIME IN: 08:19 TIME OUT: 08:33

Bill Acct: OPTERNVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TUCLEMCO
Company: T.J. Clement Construction Co., I

TRUCK#: 5078 License#: 75837JB
Container#: License#: 75837JB
GROSS: 77760 LBS
TARE: 30900 Tons
NET: 46860

MATERIAL: 600 - Contaminated Soil
County: 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 580.61
TOTAL FEE: \$580.61

NOTE:

Weighmaster: Jamie Perry
***** REPRINTED TICKET *****

Bill Stene

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236
DATE: 06/16/11 TICKET #: 273683
TIME IN: 07:21 TIME OUT: 07:46
Bill Acct: OPTERNVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057
Haul Acct: TUCLEMCO
Company: T.J. Clement Construction Co., I
TRUCK#: 5078 License#: 75837JB
Container#: License#: 75837JB
GROSS: 70520 LBS
TARE: 31140 Tons
NET: 39380
MATERIAL: 600 - Contaminated Soil
County: 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON
TIP FEE: 462.72
TOTAL FEE: \$462.72
NOTE:
Weighmaster: Jamie Perry
THANK YOU!

Bill Stene

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/22/11 TICKET #: 274152
TIME IN: 12:42 TIME OUT: 12:57

Bill Acct: OPTENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TUCLENGO
Company: T.J. Clement Construction Co., I

TRUCK#: 5082 License#: S8933JU
Container#: License#: S8933JU
GROSS: 71760 Tons
TARE: 30740 15.37
NET: 41020 20.51

MATERIAL: 600 - Contaminated Soil
County: 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: \$481.99
TOTAL FEE: \$481.99

NOTE:

Weighmaster: Lisa Simpson
***** REPRINTED TICKET *****

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236
06/22/11 TICKET #: 274111
IN: 09:12 TIME OUT: 09:44
Acct: OPTENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057
Acct: TUCLENGO
Company: T.J. Clement Construction Co., I
License#: S8933JU
Container#: License#: S8933JU
GROSS: 44640 Tons
TARE: 30600 15.30
NET: 14040 7.02

MATERIAL: 600 - Contaminated Soil
County: 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON
TIP FEE: \$24.52
TOTAL FEE: \$24.52

Weighmaster: Lisa Simpson
***** REPRINTED TICKET *****

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/22/11 TICKET #: 274138
TIME IN: 11:20 TIME OUT: 11:37

Bill Acct: OPTENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TUCLENGO
Company: T.J. Clement Construction Co., I

TRUCK#: 5083 License#: S8994JU
Container#: License#: S8994JU
GROSS: 68700 Tons
TARE: 30580 15.29
NET: 38120 19.06

MATERIAL: 600 - Contaminated Soil
County: 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: \$447.91
TOTAL FEE: \$447.91

NOTE:

Weighmaster: Lisa Simpson
***** REPRINTED TICKET *****

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/22/11 TICKET #: 274134
TIME IN: 11:01 TIME OUT: 11:19

Bill Acct: OPTENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TUCLENGO
Company: T.J. Clement Construction Co., I

TRUCK#: 5082 License#: S8993JU
Container#: License#: S8993JU
GROSS: 74600 Tons
TARE: 50720 15.36
NET: 43880 21.94

MATERIAL: 600 - Contaminated Soil
County: 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: \$15.89
TOTAL FEE: \$15.89

NOTE:

Weighmaster: Lisa Simpson
***** REPRINTED TICKET *****

Larry Savard

Red Paul

Red Paul

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/22/11 TICKET #: 274112
TIME IN: 09:29 TIME OUT: 09:46

Bill Acct: OPTERNVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJOGLNCO
Company: T.J. Clement Construction Co., I

TRUCK#: 5083 License#: 589943U
Container#: License#:

GROSS: 67580 LBS Tons
TARE: 30620 15.31
NET: 36960 18.48

MATERIAL: 600 - Contaminated Soil

County: 10 - Jefferson
W/C: 2236 - #11-36 JB WISE/ANTRON

TIP FEE: 434.28
TOTAL FEE: \$434.28

NOTE:

Wajmaste: Lisa Simpson
***** REPRINTED TICKET *****

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/22/11 TICKET #: 274160
TIME IN: 13:13 TIME OUT: 13:30

Bill Acct: OPTERNVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJOGLNCO
Company: T.J. Clement Construction Co., I

TRUCK#: 5083 License#: 589943U
Container#: License#:

GROSS: 6460 LBS Tons
TARE: 30620 15.31
NET: 3400 17.01

MATERIAL: 600 - Contaminated Soil

County: 10 - Jefferson
W/C: 2230 - #11-42 JB WISE PARKIN

TIP FEE: 399.74
TOTAL FEE: \$399.74

NOTE:

Wajmaste: Lisa Simpson
THANK YOU!

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/22/11 TICKET #: 274170
TIME IN: 14:25 TIME OUT: 14:41

Bill Acct: OPTERNVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJOGLNCO
Company: T.J. Clement Construction Co., I

TRUCK#: 5082 License#: 589933U
Container#: License#:

GROSS: 52800 LBS Tons
TARE: 30540 15.27
NET: 22260 11.13

MATERIAL: 600 - Contaminated Soil

County: 10 - Jefferson
W/C: 2230 - #11-42 JB WISE PARKIN

TIP FEE: 261.56
TOTAL FEE: \$261.56

NOTE:

Wajmaste: Lisa Simpson
THANK YOU!

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/29/11 TICKET #: 274520
TIME IN: 07:46 TIME OUT: 08:05

Bill Acct: OPTERNVI
Company: OP-TECH Environmental Services,
Adler Drive
East Syracuse NY 13057

Haul Acct: TJOGLNCO
Company: T.J. Clement Construction Co., I

TRUCK#: 5081 License#: 589923U
Container#: License#:
GROSS: 82220 LBS Tons
TARE: 31020 15.51
NET: 51200 25.60

MATERIAL: 600 - Contaminated Soil
County: 10 - Jefferson
W/C: 2234 - #11-45 CITY OF WATN/J

TIP FEE: 601.60
TOTAL FEE: \$601.60

Wajmaste: Jamie Perry
THANK YOU!

Handwritten signature: Howard Ward

Handwritten signature: Larry Howard

Handwritten signature: Robert T.

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/29/11 TICKET #: 274560
TIME IN: 11:48 TIME OUT: 12:03

Bill Accto: OPTREXVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Accto: TUCLENGO
Company: T.J. Clement Construction Co., I

TRUCK#: 5078 License#: 758373B
Container#: License#:
GROSS: 63340 Tons
TARE: 30840 31.87
NET: 32500 15.42
16.25

MATERIAL: 600 - Contaminated soil
County: 10 - Jefferson
W/C: 2234 - #11-45 CITY OF WATN/J

TIP FEE: 381.88
TOTAL FEE: \$381.88

NOTE:

Weighmaster: Jamie Perry
THANK YOU!

Bill Greene

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/29/11 TICKET #: 274548
TIME IN: 10:05 TIME OUT: 11:03

Bill Accto: OPTREXVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Accto: TUCLENGO
Company: T.J. Clement Construction Co., I

TRUCK#: 5081 License#: 509920V
Container#: License#:
GROSS: 73000 Tons
TARE: 30920 36.50
NET: 42080 15.46
21.04

MATERIAL: 600 - Contaminated soil
County: 10 - Jefferson
W/C: 2234 - #11-45 CITY OF WATN/J

TIP FEE: 494.44
TOTAL FEE: \$494.44

NOTE:

Weighmaster: Jamie Perry
THANK YOU!

Thurmond Wood

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/22/11 TICKET #: 274093
TIME IN: 07:48 TIME OUT: 08:08

Bill Accto: OPTREXVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Accto: TUCLENGO
Company: T.J. Clement Construction Co., I

TRUCK#: 5083 License#: 58994JU
Container#: License#:
GROSS: 71240 Tons
TARE: 30760 35.62
NET: 40480 15.38
20.24

MATERIAL: 600 - Contaminated soil
County: 10 - Jefferson
W/C: 2226 - #11-38 UB WISE/ANTHON

TIP FEE: 475.64
TOTAL FEE: \$475.64

NOTE:

Weighmaster: Lisa Simpson
***** REPRINTED TICKET *****

Larry Howarth

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/22/11 TICKET #: 274090
TIME IN: 07:35 TIME OUT: 08:03

Bill Accto: OPTREXVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Accto: TUCLENGO
Company: T.J. Clement Construction Co., I

TRUCK#: 5082 License#: 58993JU
Container#: License#:
GROSS: 76660 Tons
TARE: 30880 38.33
NET: 45980 15.34
22.99

MATERIAL: 600 - Contaminated soil
County: 10 - Jefferson
W/C: 2226 - #11-38 UB WISE/ANTHON

TIP FEE: 540.27
TOTAL FEE: \$540.27

Weighmaster: Lisa Simpson
***** REPRINTED TICKET *****

Larry Howarth

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/07/11 TICKET #: 273083
TIME IN: 09:51 TIME OUT: 10:09

Bill Acct: OPTENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMO
Company: T.J. Clement Construction Co., I

TRUCK#: 5075	License#: 75838JB
Container#:	License#:
LBS	Tons
GROSS: 74020	37.01
TARE: 30760	15.38
NET: 43260	21.63

MATERIAL: 600 - Contaminated Soil
County : 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 508.31
: 0.00
TOTAL FEE: \$508.31

NOTE:

Weighmaster: Lisa Simpson
***** REPRINTED TICKET *****

Don Harris

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rochman, New York 13682
Tel: (315) 232-3236

DATE: 06/07/11 TICKET #: 273091
TIME IN: 10:24 TIME OUT: 10:41

Bill Acct: OPTENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMC
Company: T.J. Clement Construction Co., I

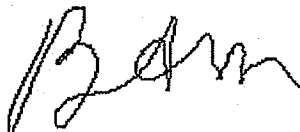
TRUCK#: 5081	License#: 58992JU
Container#:	License#:
LBS	Tons
GROSS: 75360	37.68
TARE: 31300	15.65
NET: 44060	22.03

MATERIAL: 600 - Contaminated Soil
County : 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 517.71
: 0.00
TOTAL FEE: \$517.71

NOTE:

Weighmaster: Lisa Simpson
***** REPRINTED TICKET *****



Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/07/11 TICKET #: 273114
TIME IN: 12:02 TIME OUT: 12:18

Bill Acct: OPTEENV
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMO
Company: T.J. Clement Construction Co., I

TRUCK#: 5075	License#: 75838JB
Container#:	License#:
LBS	Tons
GROSS: 73700	36.85
TARE: 30720	15.36
NET: 42980	21.49

MATERIAL: 600 - Contaminated Soil
County : 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 505.02
: 0.00
TOTAL FEE: \$505.02

NOTE:

Weighmaster: Jamie Perry
***** REPRINTED TICKET *****

Don Hanning

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/07/11 TICKET #: 273119
TIME IN: 12:31 TIME OUT: 12:47

Bill Acct: OPTENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMO
Company: T.J. Clement Construction Co., I

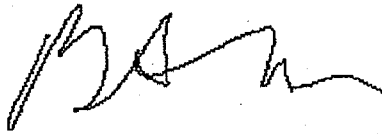
TRUCK#: 5081	License#: 58992JU
Container#:	License#:
	LBS Tons
GROSS: 74340	37.17
TARE: 31220	15.61
NET: 43120	21.56

MATERIAL: 600 - Contaminated Soil
County : 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 506.66
: 0.00
TOTAL FEE: \$506.66

NOTE:

Weighmaster: Jamie Perry
***** REPRINTED TICKET *****



Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/07/11 TICKET #: 273136
TIME IN: 13:40 TIME OUT: 13:58

Bill Acct: OPTENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMC
Company: T.J. Clement Construction Co., I

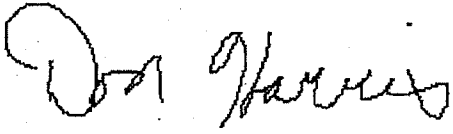
TRUCK#: 5075	License#: 75838JB
Container#:	License#:
LBS	Tons
GROSS: 78500	39.25
TARE: 30520	15.26
NET: 47980	23.99

MATERIAL: 600 - Contaminated Soil
County : 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 563.77
: 0.00
TOTAL FEE: \$563.77

NOTE:

Weighmaster: Jamie Perry
***** REPRINTED TICKET *****



Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/07/11 TICKET #: 273140
TIME IN: 13:55 TIME OUT: 14:11

Bill Acct: OPTEENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMO
Company: T.J. Clement Construction Co., I

TRUCK#: 5079	License#: 95091JD
Container#:	License#:
LBS	Tons
GROSS: 79260	39.63
TARE: 31160	15.58
NET: 48100	24.05

MATERIAL: 600 - Contaminated Soil
County : 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 565.18
: 0.00
TOTAL FEE: \$565.18

NOTE:

Weighmaster: Jamie Perry
***** REPRINTED TICKET *****



Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/07/11 TICKET #: 273148
TIME IN: 14:30 TIME OUT: 14:48

Bill Acct: OPTEENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMCO
Company: T.J. Clement Construction Co., I

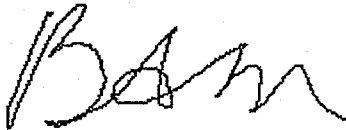
TRUCK#: 5081	License#: 58992JU
Container#:	License#:
LBS	Tons
GROSS: 72780	36.39
TARE: 31180	15.59
NET: 41600	20.80

MATERIAL: 600 - Contaminated Soil
County : 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 488.80
: 0.00
TOTAL FEE: \$488.80

NOTE:

Weighmaster: Jamie Perry
***** REPRINTED TICKET *****



Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/15/11 TICKET #: 273625
TIME IN: 10:00 TIME OUT: 10:18

Bill Acct: OPTENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLENCO
Company: T.J. Clement Construction Co., I

TRUCK#: 5079	License#: 95091JD
Container#:	License#:
LBS	Tons
GROSS: 75980	37.99
TARE: 31000	15.50
NET: 44980	22.49

MATERIAL: 600 - Contaminated Soil
County : 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 528.52
: 0.00
TOTAL FEE: \$528.52

NOTE:

Weighmaster: Jamie Perry
***** REPRINTED TICKET *****



Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/15/11 TICKET #: 273666
TIME IN: 13:46 TIME OUT: 14:03

Bill Acct: OPTEENV
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMC
Company: T.J. Clement Construction Co., I

TRUCK#: 5079	License#: 95091JD
Container#:	License#:
LBS	Tons
GROSS: 73980	36.94
TARE: 30660	15.33
NET: 43220	21.61

MATERIAL: 600 - Contaminated Soil
County : 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 507.84
: 0.00
TOTAL FEE: \$507.84

NOTE:

Weighmaster: Lisa Simpson
***** REPRINTED TICKET *****

P. O. Damon

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/15/11 TICKET #: 273641
TIME IN: 11:42 TIME OUT: 11:57

Bill Acct: OPTEENV
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMCO
Company: T.J. Clement Construction Co., I

TRUCK#: 5079	License#: 95091JD
Container#:	License#:
LBS	Tons
GROSS: 71500	35.75
TARE: 30900	15.45
NET: 40600	20.30

MATERIAL: 600 - Contaminated Soil
County : 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 477.05
: 0.00
TOTAL FEE: \$477.05

NOTE:

Weighmaster: Jamie Perry
***** REPRINTED TICKET *****

P. Damon

T.J. CLEMENT CONSTRUCTION CO., Inc.

PO BOX 201
WATERTOWN, N.Y. 13601
788-8811

RENTAL TO: *OP Tech ENVIRONMENTAL*
JOB: *JB-Wise place* Date *6-7* 200*1*
DRIVER: *Bertin MARTINEZ*
TRUCK NO. *492*

YARDS	LOADS	TONS	HOURS
	<i>3</i>		
ITEM	ITEM	ITEM	ITEM

Equipment Rental:
#1 *22.03 TNS*
#2 *21.56 TNS*
#3 *20.80 TNS*
IN *8:00* A.M.
OUT
IN *3:30P* P.M.
OUT

No 20068

Signed

WATERTOWN, N.Y. 13601
788-8811

RENTAL TO: *OP-Tech Inc.*
JOB: *JB Wise Place* Date *6/15* 200*1*
DRIVER: *Bill Greene*
TRUCK NO. *487*

YARDS	LOADS	TONS	HOURS
ITEM	ITEM	ITEM	ITEM

Equipment Rental:
loading contam.
soil to Rodman
SWDF
IN
OUT
IN *2:00* P.M.
OUT *3:00*

No 20144

Signed

T.J. CLEMENT CONSTRUCTION CO., Inc.

PO BOX 201
WATERTOWN, N.Y. 13601
788-8811

RENTAL TO: *OP Tech* *MBCO 0001*
JOB: *JB Wise Parking lot* Date *6-7-11* 200*1*
DRIVER: *Don*
TRUCK NO. *494*

YARDS	LOADS	TONS	HOURS
	<i>3</i>		
ITEM	ITEM	ITEM	ITEM

Equipment Rental:
#1 21.63 TON
#2 21.49
23.99
IN *8:00* A.M.
OUT
IN P.M.
OUT *2:30*

No 20191

Signed

PO BOX 201
WATERTOWN, N.Y. 13601
788-8811

RENTAL TO: *Optech*
JOB: *JB wise Lot* Date *6/7* 200*1*
DRIVER: *Damon*
TRUCK NO. *488*

YARDS	LOADS	TONS	HOURS
ITEM	ITEM	ITEM	ITEM

Equipment Rental:
LOAD 24.05 TON
IN
OUT
IN *1:00* P.M.
OUT *2:45*

No 19196

Signed

T.J. CLEMENT CONSTRUCTION CO., Inc.

PO BOX 201
WATERTOWN, N.Y. 13601
788-8811

RENTAL TO: Op-Tech Inc.
JOB: J.B. Wise Place Date 6/24 20011
DRIVER: Bill Greene
TRUCK NO. 487

YARDS	LOADS	TONS	HOURS
ITEM	ITEM	ITEM	ITEM

Equipment Rental: Contam. Soil to
SWDF-Rodman
IN 7:15 A.M.
OUT
P.M.
IN
OUT 1:15

No 20145

Signed

T.J. CLEMENT CONSTRUCTION CO., Inc.

PO BOX 201
WATERTOWN, N.Y. 13601
788-8811

RENTAL TO: OP-TECH
JOB: J.B. Wise Date 6-24 20011
DRIVER: CHRIS
TRUCK NO. 485

YARDS	LOADS	TONS	HOURS
ITEM	ITEM	ITEM	ITEM

Equipment Rental:
IN 7:30 A.M.
OUT
P.M.
IN
OUT 1:30

No 19099

Signed

T.J. CLEMENT CONSTRUCTION CO., Inc.

PO BOX 201
WATERTOWN, N.Y. 13601
788-8811

RENTAL TO: OP-Tech Inc.
JOB: JB Wise Place Date 6/16 20011
DRIVER: Bill Greene
TRUCK NO. 487

YARDS	LOADS	TONS	HOURS
ITEM	ITEM	ITEM	ITEM

Equipment Rental:

Transport con-
taminated soil
to Rodman SWDF

A.M.
IN 6:30
OUT 8:30
P.M.
IN
OUT

No. 20143

Signed

RENTAL TO: OP-TECH
JOB: J.B. WISE Date 6/22/2011
DRIVER: Larry Lavarella
TRUCK NO. 494

YARDS	LOADS	TONS	HOURS
ITEM	ITEM	ITEM	ITEM

Equipment Rental:

A.M.
IN 7:00
OUT
P.M.
IN
OUT 2:30

No. 19356

Signed

T.J. CLEMENT CONSTRUCTION CO., Inc.

PO BOX 201
WATERTOWN, N.Y. 13601
788-8811

RENTAL TO: OP-Tech
JOB: JB Wise Lot Date 6/15 20011
DRIVER: DAMON
TRUCK NO. 488

YARDS	LOADS	TONS	HOURS
ITEM	ITEM	ITEM	ITEM

Equipment Rental:

LOADS #8 #9 #10

A.M.
IN 9:00
OUT 2:30
P.M.
IN
OUT

No. 20203

Signed

RENTAL TO: OP-Tech
JOB: J.B. Wise PLAZA Date 6/22 20011
DRIVER: R. Fowler
TRUCK NO. 493

YARDS	LOADS	TONS	HOURS
ITEM	ITEM	ITEM	ITEM

Equipment Rental:

A.M.
IN 7:00
OUT
P.M.
IN
OUT 3:30

No. 20056

Signed

Development Authority of the North Country
Solid Waste Management Facility
13400 NYS Route 177
Fonda, New York 12082

DATE: 06/07/11 TICKET #: 273083
TIME IN: 09:00 TIME OUT: 11:09

Bill A. TEENVI
Company: JH Environmental Services,
1 Actel
East Syracuse, NY

Haul Acct: TOCLENCO
Company: T. J. Cl. Construction Co., Inc.

TRUCK#: 5075	License#: 7E838JF
Container#: 1	License#: 1
	LBS Tons
GROSS: 74020	37.01
TARE: 30760	15.38
NET: 43260	21.63

Material: 100% Inert Soil
Weight: 43260 LBS
Volume: 2238 cu yd E/WANTHA

TIF FEE:	0.00
:	0.00
TOTAL FEE:	0

36784

Weighmaster: Lisa Simpson
THANK YOU:

Don Haver

ATTENTION SHIPPERS!

FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

①

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. MBCO0001Carrier No. 6A-305Date 6/7/11Page 1 of 1T.J. Clement

(Name of carrier)

(SCAO)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:

Consignee Developmental Authority of the North CountryStreet 23400 NYS Route 177City RodmanState NYZip Code 13682FROM: Shipper National Grid (former MGP site)Street JB Wise Place (JB Wise Parking Lot)City WatertownState NYZip Code 1360124 hr. Emergency Contact Tel. No. 1-315-764-1917

Route

Vehicle
NumberY84

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Proper Shipping Name, UN or NA Number, Packing Group or Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
<u>1 DT</u>		<u>Non DOT, Non RCRA Regulated Material (MGP contaminated soil)</u>	<u>20 Est.</u>	<u>T</u>		
		<u>P.O. # MBCO0001-SSS</u>				
		<i>In Hampton</i>				

PLACARDS TENDERED: YES ☐ NO ☒

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."

(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.

(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 350, Bill of Lading, Freight Bills and Statements of Charges and Section 1(e) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature

REMIT
C.O.D. TO:
ADDRESS

COD

Amt: \$

C.O.D. FEE:
PREPAID ☐
COLLECT ☐

\$

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

This carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TOTAL
CHARGES \$

FREIGHT CHARGES

FREIGHT PREPAID
except when box at
right is checkedCheck box if charges
are to be
collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to

destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to the Bill of Lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER National Grid

PER

On behalf of Shipper

CARRIER

PER

DATE

T.J. ClementWendell J. Davis

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Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rush, New York 13682
10/06/11 10:41

DATE: 06/07/11 TICKET #: 073091
TIME IN: 10:41 TIME OUT: 10:41

Bill Acct: OPTENV1

Company: OPT ENVIRONMENTAL SERVICES,
1 Adler Dr.,
East Syracuse, NY 13057

Haul Acct: TJCLENCO

Company: T.J. Clemen Construction Co., Inc.

TRUCK#: 5081	License#: 58992JU
Container#: 1	License#: 1
LES	Tons
GROSS: 75300	37.58
TARE: 31300	15.65
NET: 44060	22.03

HA: 10/06/11 10:41
Company: 10/06/11 10:41
Wt: 37.58 - 15.65 = 22.03

STP Fee: .71
TAX: 1.00
TOTAL FEE: \$517.71

NOTE:

Weighmaster: Lisa Simpson
THANK YOU!

Bdm

ATTENTION SHIPPERS!

FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

②

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. MBCO0001Carrier No. 6A-305Page 1 of 1TJ Clement
(Name of carrier) (SCAC)Date 6/7/11

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee Developmental Authority of the North Country
Street 23400 NYS Route 177
City Rodman NY 13682
State Zip Code

FROM: Shipper National Grid (former MGP site)
Street JB Wise Place (JB Wise Parking Lot)
City Watertown State NY Zip Code 13601
24 hr. Emergency Contact Tel. No. 1-315-764-1917

Route		Vehicle Number				
		492				
No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Proper Shipping Name, UN or NA Number, Packing Group or Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 DT		Non DOT, Non RCRA Regulated Material (MGP contaminated soil)	20 Est.	T		
		P.O. # MBCO0001-SSS				
		<i>Am. Thompson</i>				

PLACARDS TENDERED: YES ☐ NO ☒

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."

(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.

(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(a) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature

REMIT
C.O.D. TO:
ADDRESS

COD

Amt: \$

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ \$

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TOTAL
CHARGES \$FREIGHT CHARGES
FREIGHT PREPAID ☒ Check box if charges are to be collected
right is checked ☐

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to

destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

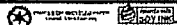
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER National Grid
PER *[Signature]*
On behalf of Shipper

CARRIER TJ Clement
PER *[Signature]*
DATE 6-7-11

1

Permanent post-office address of shipper.



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FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

3

ORIGINAL — NOT NEGOTIABLE

Shipper No. **MBC00001**

Carrier No. 6A-305

Date 6/7/11

Page 1 of 1

T.J. Clement

(Name of carrier)

(SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

FROM: **National Grid (former MGP site)**
Shipper

Consignee **Developmental Authority of the North Country**

Street **JB Wise Place (JB Wise Parking Lot)**

Street **23400 NYS Route 177**

City **Watertown** State **NY** Zip Code **13601**

City **Rodman** State **NY** Zip Code **13682**

24 hr. Emergency Contact Tel. No. **1-315-764-1917**

Route

Vehicle Number	484
----------------	-----

No. of Units & Container Type	BASIC DESCRIPTION	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
HM	Proper Shipping Name, Hazard Class or UN or NA Number, Proper Shipping Name, UN or NA Number, Packing Group Hazard Class, Packing Group				
1 DT	Non DOT, Non RCRA Regulated Material (MGP contaminated soil)	20 Est.	T		
	P.O. # MBCO0001-SSS				
	<i>[Signature]</i>				

PLACARDS TENDERED: YES ☐ NO ☒

REMIT
C.O.D. TO:
ADDRESS

COD Amt: \$

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ \$

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TOTAL CHARGES	\$
---------------	----

FREIGHT CHARGES

FREIGHT PREPAID ☐ Check box if charges
except when box at are to be
right is checked collected

Note -- (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."

(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMEC Item 172.

(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of item 380, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations.

Signature

(Signature of Candidate)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted, (containing in condition of contents of packages unknown), marked, counted, sealed and delivered as indicated above under the name of the carrier (the word carrier being understood throughout this Bill of Lading to mean any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It mutually agrees as to each carrier of all or any of, said property over all or any portion of said route to

destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shopper hereby certifies that he is familiar with all the listing terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER **National Grid**

CARRIER

PER

DATE _____

Permanent post-office address of shipper.

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1

Development Authority of the North Country
Solid Waste Management Facility
450 NYS Route 177
Albany, New York 12242
Tel: 518-462-3336

DATE: 06/07/11 TICKET #: 173119
TIME IN: 12:51 TIME OUT: 13:47

Bill Acct: OPTENV
Company: OPT ENVIRONMENTAL SERVICES,
1 Adler Drive
East Syracuse

Haul Acct: TJCLEWCO
Company: T.J. CLEWCO & SONS CO., I

TRUCK#: 5081	License#: 5399230
Container#:	License#:
LBS	Tons
GROSS: 74340	37.17
TARE: 31220	15.61
NET: 43120	21.56

MATERIALS: COMBUSTIBLE
County: 10 - Jefferson
W/O: 2228 - #1138

TIP FEE: 7.00
TOTAL FEE: \$506.66

NOTE:

Weighmaster: Jamie Perry
THANK YOU!



Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 312-3336

DATE: 06/07/11 TICKET #: 273114
TIME IN: 12:01 TIME OUT: 12:14

Bill Acct: OPTENVI
Company: OPTENVI Environmental Services,
1 Adler Drive
East Syracuse

Haul Acct: TUGLEMOO
Company: TUGLEMOO Co., Inc.

TRUCK#: 5075	License #: 75030 JB
Container:	License #:
LBS	Tons
GROSS: 73700	36.85
TARE: 50720	15.36
NET: 42980	21.49

MATERIAL: Contaminated Soil
Quantity: 115 - Jettisoned
Wt: 115 - 111.34 - 3.66

OFF FEE: 00.00
: 0.00
TOTAL FEE: \$505.02

NOTE:

Weighmaster: Jamie Perry
THANK YOU!

Don Harris

Development Authority of the North Country
Solid Waste Management Facility
33400 NYS Route 177
Rochester, New York 14632
Tel: 716 433-3336

DATE: 06/07/11 TICKET #: 273140
TIME IN: 11:11 TIME OUT: 14:11

Bill Acct: OPTERNVI
Company: OPTERNVI Environmental Services,
1 Adler Drive
East Syracuse, NY 13057

Haul Acct: TUCLEMC0
Company: T. J. Cullen Construction Co., Inc.

TRUCK#: 5079	License#: 950910D
Container#: 155	License#: 155
GROSS: 70140	Tons: 1.53
TARE: 31100	15.56
NET: 48100	24.05

MALE: 11/11/11
County: 11/11/11
Weight: 11/11/11

FEE: 11.11
: 11.00
TOTAL FEE: \$565.18

NOTE:

Wagmaster: Jamie Perry
THANK YOU!



FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

6

ORIGINAL — NOT NEGOTIABLE

Shipper No. **MBC00001**

Carrier No. 6A-305

Date 6/7/1

Page 1 of 1

TJ Clement

(Name of carrier)

(SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

FROM: **National Grid (former MGP site)**
Shipper

TO:

Consignee **Developmental Authority of the North Country**

Street: 23400 NYS Route 177

City **Rodman** State **NY** Zip Code **13682**

Street **JB Wise Place (JB Wise Parking Lot)**

City **Watertown** State **NY** Zip Code **13601**

24 hr. Emergency Contact Tel. No. **1-315-764-1917**

Route

Vehicle Number	488
----------------	-----

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Proper Shipping Name, UN or NA Number, Packing Group or Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 DT		Non DOT, Non RCRA Regulated Material (MGP contaminated soil)	20 Est.	I		
		P.O. # MRCO0001-SSS Jamie Perry 10/7/11				

PLACARDS TENDERED: YES ☐ NO ☒

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.

(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 350, Bills of Lading, Freight Bills and Statements of Charges and Section 1(e) of the Contract Terms and Conditions for a list of such articles.

REMIT
C.O.D. TO:
ADDRESS

COD

Amr: \$

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ \$

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TOTAL CHARGES	\$	100.00
---------------	----	--------

FREIGHT CHARGES

FREIGHT PREPAID
except when box at
right is checked

Check box if charges
are to be
collected

RESERVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except it is noted (contents and condition of contents of packages unknown, marked, numbered, and displayed as indicated above), and the carrier, by its acceptance of the goods, agrees to deliver, throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, and property over all or any portion of said route to

distribution and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on its date of shipment.

Shipper hereby certifies that he is familiar with all the listing terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

~~National Grid~~

PER

On behalf of Shipper

CARRIER

~~TJ Clement~~

PER

DATE _____

Permanent post-office address of shipper.

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Development Authority of the North Country
Solid Waste Management Facility
1400 N. Route 17
Saratoga Springs, New York 12858
Tel: (518) 231-3000

DATE: 06/07/11 TICKET #: 273148
TIME IN: 14:30 TIME OUT: 14:48

Bill Acct: OPTENVI
Company: OPTENVI
1 Adler Drive
East Syracuse, NY 13057

Haul Acct: TJCLEMCO
Company: T.J. Clement Construction Co., Inc.

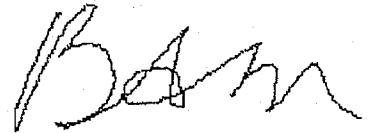
TRUCK#: 5081	License#: 5899200
Container#: 1	License#: 1
LBS	Tons
GROSS: 72780	36.39
TARE: 31180	15.59
NET: 41600	20.80

MATERIAL: 000 - Contaminated
County: 10 - Jefferson
Wt: 2226 - #11-18 1/2 in. 100% 100%

TIP FEE: 488.80
: 0.00
TOTAL FEE: \$488.80

NOTE:

Weightmaster: Jamie Perry
THANK YOU!



LOAD # 9

LOAD # 8

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/15/11 TICKET #: 273641
TIME IN: 11:42 TIME OUT: 11:57

Bill Acct: OPTENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMCO
Company: T.J. Clement Construction Co., I

TRUCK#: 5079 License#: 95091JD
Container#: License#:
LBS Tons
GROSS: 71500 35.75
TARE: 30900 14.45
NET: 40600 20.30

MATERIAL: 600 Contaminated Soil
County: 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 477.05
: 0.00
TOTAL FEE: \$477.05

NOTE:

Weighmaster: Jamie Perry
THANK YOU!

P. D. Damon

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/15/11 TICKET #: 273625
TIME IN: 10:00 TIME OUT: 10:10

Bill Acct: OPTENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMCO
Company: T.J. Clement Construction Co., I

TRUCK#: 5079 License#: 95091JD
Container#: License#:
LBS Tons
GROSS: 75980 34.52
TARE: 31000 14.50
NET: 44980 22.49

MATERIAL: 600 Contaminated Soil
County: 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 528.52
: 0.00
TOTAL FEE: \$528.52

NOTE:

Weighmaster: Jamie Perry
THANK YOU!

P. D. Damon

LOAD # 10

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 232-3236

DATE: 06/15/11 TICKET #: 273666
TIME IN: 13:46 TIME OUT: 14:03

Bill Acct: OPTENVI
Company: OP-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMCO
Company: T.J. Clement Construction Co., I

TRUCK#: 5079 License#: 95091JD
Container#: License#:
LBS Tons
GROSS: 73800 36.34
TARE: 30600 15.33
NET: 43200 21.61

MATERIAL: 600 Contaminated Soil
County: 10 - Jefferson
W/C: 2226 - #11-38 JB WISE/ANTHON

TIP FEE: 507.84
: 0.00
TOTAL FEE: \$507.84

NOTE:

Weighmaster: Lisa Simpson
THANK YOU!

P. D. Damon

ATTENTION SHIPPERS!
This Shipping Order

FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.
Must be legibly filled in in ink, indelible pencil, or in Carbon, and retained by the agent

9

Shipper No. **MBC00001**

Carrier No. **6A-345**

Date **6/15/11**

Page **1** of **1**

TJ Clement

(Name of carrier)

(SCAC)

On Collect or Delivery shipments, the driver/COL must accept bills of lading & retain a copy of all documents presented at item 430, Sec. 1

TO: **Developmental Authority of the North Country**
Consignee
23400 NYS Route 177
Street
Rodman NY 13682
City State Zip Code

FROM: **National Grid (former MGP site)**
Shipper
JB Wise Place (JB Wise Parking Lot)
Street
Watertown NY 13601
City State Zip Code
1-315-764-1917
24 hr. Emergency Contact Tel. No.

Route		Vehicle Number				
		488				
No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, or UN or NA Number, Packing Group or Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 DT		Non DOT, Non RCRA Regulated Material (MGP contaminated soil)	20 Est.	1		
		P.O. # MBC00001-SSS				

PLACARDS TENDERED: YES NO		REMIT C.O.D. TO ADDRESS	
Note -- (1) Where the rate is determined on value, shippers are required to state specifically in writing the agreed or declared value of the commodity in figures. The agreed or declared value of the commodity is hereby specifically stated by the shipper to be not exceeding _____. (2) Where the applicable tariff convention specifies a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Rule 172. (3) Commodity requiring special or additional care in selection or handling or stowage must be so marked and packaged as to ensure safe transportation. See Section 210 of Part 390, Bill of Lading, Freight Bill and Documents in Chapter and Section 110, of the Contract Terms and Conditions for a list of such shippers.		I hereby declare that the contents of this consignment are truly and accurately described above by the proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. Signature _____	
COD Amt. \$ Subject to Section 7 of the conditions, if this statement is to be delivered to the consignee without recourse to the consignee, the shipper must sign the following statement: "The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges."		G.O.D. FEE PREPAID COLLECT \$ TOTAL CHARGES \$ FREIGHT CHARGES FREIGHT PREPAID ☒ Check box if charges are to be collected	

RECEIVED: When the consignment is received in full at the date of the date of this Bill of Lading, the carrier shall be deemed to have received the goods in the condition and quantity as described in the Bill of Lading, and the carrier shall be liable for the goods in the condition and quantity as described in the Bill of Lading, and the carrier shall be liable for the goods in the condition and quantity as described in the Bill of Lading.

SHIPPER National Grid	CARRIER TJ Clement
PER On behalf of Shipper	PER
DATE	DATE

Permanent post office address of shipper: **STY, ECT 170-A, P.O. BOX 1, LABELMASTER, (P.O.) 621-5908 www.labelmaster.com**

2

Development Authority of the North Country
Solid Waste Management Facility
23400 NYS Route 177
Rodman, New York 13682
Tel: (315) 743-5336

DATE: 06/16/11 TICKET #: 273683
TIME IN: 07:21 TIME OUT: 07:46

Bill Acct: OPTENV
Company: OPT-TECH Environmental Services,
1 Adler Drive
East Syracuse NY 13057

Haul Acct: TJCLEMC
Company: T. J. Clement Construction Co., I

TRUCK#: 5078	License#: 758370B
Container#:	License#:
LEB	Tons
GROSS: 70520	35.26
TARE: 31140	15.57
NET: 39380	19.69

MATERIAL: 600 - Contaminated Soil
County: 10 - Jefferson
W/C: 2220 - #11-36 JB WISE/ANTHON

DIS FEE: 462.72
: 0.00
TOTAL FEE: \$462.72

NOTE:

Weighmaster: Jamie Perry
THANK YOU!

Bill Drene

ATTENTION SHIPPERS!

FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.

①

STRAIGHT BILL OF LADING

ORIGINAL — NOT NEGOTIABLE

Shipper No. MBCO 0001Carrier No. 6A-305Date 6/15/11Page 1 of 1T J Clement

(Name of carrier)

(SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee Development Authority of the North CountryStreet 234000 NY St Route 177City Rodman State NY Zip Code 13682FROM:
Shipper National Grid (Former MGP Site)Street JB Wise Place (JB Wise Parking Lot)City Watertown State NY Zip Code 1360124 hr. Emergency Contact Tel. No. 1-315-764-1917

Route

Vehicle
Number 487

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Proper Shipping Name, UN or NA Number, Packing Group or Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
<u>1 DT</u>		<u>NON DOT, Non RCRA Regulated Material (MGP contaminated Soil)</u>	<u>20 EST</u>	<u>T</u>		
		<u>P.O. # MBCO 0001 555</u>				
		<u>Jamie Reilly 6/16/11</u>				

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____"

(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.

(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 380, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Signature

REMIT
C.O.D. TO:
ADDRESS**COD**

Amt: \$

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ \$TOTAL
CHARGES \$FREIGHT CHARGES
FREIGHT PREPAID ☐ Check box if charges
except when box at right is checked are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier at all or any of said property over all or any portion of said route to

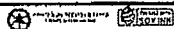
destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER National GridPER Ant HillCARRIER T J ClementPER William J. GreeneDATE 6/15/11

1

Permanent post-office address of shipper.



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T.J. CLEMENT CONSTRUCTION CO., Inc.

PO BOX 201

WATERTOWN, N.Y. 13601

788-8811

RENTAL TO:

JOB:

DRIVER:

TRUCK NO.

YARDS	LOADS	TONS	HOURS
ITEM	ITEM	ITEM	ITEM

Equipment Rental:

Contam. Dirt to
Rodman SWDF.

A.M.
IN 7:00
OUT
P.M.
IN
OUT 1:30

T.J. CLEMENT CONSTRUCTION CO., Inc.

PO BOX 201

WATERTOWN, N.Y. 13601

788-8811

RENTAL TO:

JOB:

DRIVER:

TRUCK NO.

YARDS	LOADS	TONS	HOURS
ITEM	ITEM	ITEM	ITEM

Equipment Rental:

A.M.
IN 6:30
OUT 2:
P.M.
IN
OUT 2:30

No 20074

Signed

ATTENTION SHIPPERS!
This Shipping Order

FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT.
Must be legibly filled in, in Ink Indelible Pencil, or in Carbon, and retained by the agent

Shipper No. **MBCO0001**

Carrier No. **4A 485**

Date **6/29/11**

Page **1** of **1**

Longhorn Trucking CO. INC.
(Name of carrier) (SCAC)

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

TO:
Consignee **ESMI of New York**
Street **304 Towpath Road**
City **Fort Edward** State **NY** Zip Code **12828**

FROM: **National Grid (former MGP site)**
Shipper
Street **JB Wise Place (JB Wise Parking Lot)**
City **Watertown** State **NY** Zip Code **13601**
24 hr. Emergency Contact Tel. No. **1-315-764-1917**

Route		Vehicle Number				
		393				
No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class or UN or NA Number, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 DT		Non DOT, Non RCRA Regulated Material (MGP-contaminated soil with asphalt)	Est. 20	23.08		
		P.O. # MBCO0001-SSS				

PLACARDS TENDERED: YES NO **X**

Note: (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(e) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packed, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations.

Signature

REMIT
C.O.D. TO:
ADDRESS

COD

Amt: \$

C.O.D. FEE:
PREPAID
COLLECT \$

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TOTAL
CHARGES \$

FREIGHT CHARGES

FREIGHT PREPAID
except when box at
right is checked

Check box if charges
are to be
collected

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to

destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER **National Grid**
PER **James R. [Signature]**
On behalf of Shipper

CARRIER **Longhorn Trucking CO. INC.**
PER **Dan Batt [Signature]**
DATE **6/29/11**

2

Permanent post-office address of shipper.



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ESMI OF NEW YORK
304 Towpath Road
Port Edward, New York 12828

(518)747-5500

Ticket No : 2050676
Date : 6/29/2011

Max. Acceptable Soil: 150.00

Customer: OPT10
OP TECH ENVIRONMENTAL SRVS
1 ADLER DR

EAST SYRACUSE, NY 13057

Job No : 9046
JB WISE PARKINGLOT
JB WISE PLACE
WATERTOWN NY
Running Tonnage: 23.08

Trucker:
LONG-393 Longhorn Trucking

Gross : 85060 Scale 1 In 2:06:23PM
Tare : 38900 STORED Out

Net : 46160 lb
23.080

CT01 01 COAL TAR REMEDIATION W

Weigh Master: Kim Matteson #530022

Driver:

Remarks:

Material \$
Delivery \$
Misc \$
Tax \$
Total \$

Longhorn Trucking Co., Inc.
6605 St. Hwy 5
Fort Plain, NY 13339
Ph: 518-993-3480
Fax: 518-993-4795

NON-HAZARDOUS WASTE MANIFEST

Generator Name NATIONAL Grid (former Mop Site) Shipping Location IES MI
Address JB Wise Place (JB Wise Parking lot) Address Fort Edward NY

Phone No. 1-315-764-1917

Phone No. _____

Codes

Description of Material

Approval
Number

Non-Regulated Petroleum
Contaminated Soil

Non DOT/RCRA Regulated

est 20 TON 85060 GROSS
38900 TARE
46060 NET
23.08 TONNAGE

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

TRANSPORTER

Transporter Name Longhorn Trucking

Driver Name (Print) DION BATTISTI

Address Fort Plain NY

Vehicle License No./State BA 36372

Truck Number 393-021

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Dion Battisti
Driver Signature

6-29-11
Shipment Date

Dion Battisti
Driver Signature

6-29-11
Delivery Date

DESTINATION

Site Name EDMS

Phone No. 518-541-3300

Address 304 Township Rd. Ft Edward NY 12828

I hereby certify that the above material has been accepted and to the best of my knowledge for foregoing is true and accurate.

Name of Authorized Agent

Walter
Signature

6/29/11
Receipt Date

Watertown Pollution Control Plant

700 W.T. Field Drive

Watertown, NY. 13601

Phone: 315-785-784

Fax: 315-779-2095

Billing Date: 07-11-2011

SludgeAcctCode: 5477777111

Deliver # B3 To
21088 OP-TECH

Hauler
OpTech

Source

Product: Delivery Date:

% Solids:

Gallons

Cost

Total:

Contaminated Waste contaminated w

6/28/2011

0

180

25

\$25.00

Avg. % Solids

Total loads: 1

Total Gallons: 180

Total Price: \$25.00