



CBS Corporation

Environmental Remediation
PNC Center
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Via Electronic and First-Class Mail

January 12, 2012

David P. Locey
New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
Region 9
270 Michigan Avenue
Buffalo, NY 14203-2999

**Re: Monthly Operation and Maintenance Report
NYSDEC Site 9-15-066, Cheektowaga, New York**

Dear Mr. Locey:

On behalf of the Respondents to the Order on Consent and Settlement Agreement, Index No. B9-0381-91-8 (the "Order"), CBS Corporation (CBS) submits this monthly status report for operation and maintenance (O&M) activities at New York State Department of Environmental Conservation (NYSDEC) Site No. 9-15-066 in Cheektowaga, New York (the "Site"). Under an Agreement among the Respondents, CBS is managing the Remedial Program pursuant to the Order. This report addresses activities conducted in December 2011 and transmits the discharge monitoring report for this period.

1. Site Activities and Status

- A. The recovery and treatment system operated throughout December 2011.
- B. On behalf of CBS, Conestoga-Rovers & Associates (CRA) conducted routine and non-routine O&M, and TestAmerica Laboratories, Inc. provided required analytical laboratory services.
- C. On December 5, 2011, CBS submitted to NYSDEC a monthly report on the status of O&M activities at the Site for November 2011. That status report also transmitted the discharge monitoring data for November 2011.
- D. On December 16, 2011, CRA conducted groundwater samples for the semi-annual groundwater monitoring.

2. Sampling Results and Other Site Data

- A. In December 2011, the groundwater system recovered and treated an estimated 143,000 gallons.
- B. Attachment A provides the discharge monitoring report for December 2011 based on the effluent sample collected on December 12, 2011. Attachment B provides the analytical laboratory report for this effluent sample.
- C. In reviewing the treatment system effluent monitoring information, please note the following:
 - Flow data are provided via periodic on-site readings. The maximum daily flow was calculated from these data.
 - The pH data are provided via periodic on-site readings and laboratory analysis of the monthly effluent sample. Effluent pH data are reported only for measurements taken while the treatment pump is operating and the system is actively discharging.
 - The reported daily maximum values (pounds per day) are calculated using the maximum observed daily flow and the results of the monthly effluent monitoring, irrespective of whether the actual maximum daily flow occurred on the day of sampling.
- D. For the December 2011 reporting period, the effluent complied with all discharge limitations.
- E. Table 1 presents the results of influent sampling and includes the data from the most-recent influent sample collected on December 12, 2011. No flow was observed from Sump 001 at the time of sampling. Accordingly, this latest influent sample is a composite of the influent from the 002 and 003 portions of the system only. Attachment B includes the analytical laboratory report for this influent sample.
- F. Table 2 presents the results of monitoring of well MW-32 located in Area P at the northern portion of the Site, including the most-recent sample collected on December 16, 2011.
- G. Figure 1 shows target volatile organic compound (VOC) concentrations over time at well MW-32. As shown in Figure 1, total target VOC concentrations have significantly decreased at well MW-32 following the multiple rounds of *in situ* chemical oxidation treatment that were conducted after the source removal specified in the December 1995 Record of Decision (ROD) failed to result in low residual VOC concentrations at this well.

- H. Table 3 provides the data from the semi-annual groundwater monitoring of the nine wells located in the central and southern portion of the Site. As has been typical throughout the period of groundwater monitoring, the groundwater shows no detectable concentrations of the VOCs for which remedial action objectives (RAOs) were established in the December 1995 ROD. In this latest round of sampling, cadmium and lead concentrations in all wells were likewise below RAOs.
- I. Attachment C provides the analytical laboratory data report for the groundwater monitoring. This attachment also includes a key to correlate laboratory sample numbers to well numbers.

3. Upcoming Activities

- A. CBS will continue required O&M activities.
- B. CBS continued planning and design for the installation of “temporary” plugs at manholes MH-002-09 and MH-002-10 to allow an evaluation of the impacts of the partial system closure before proceeding with the Phase 1 closure of the 002 system.¹ Following this temporary closure, CRA will conduct additional water level measurements, surface water monitoring, and groundwater monitoring as described in the *Revised Work Plan* (Rev. 1, November 7, 2008).

4. Operational Problems

- A. Previously reported operational problems associated with elevated pH, pH control, and hardness continue. These operational problems are expected to be largely resolved with the phased shutdown of the collection system and limitation of inflows to those associated with Sump 003.
- B. Previously reported operational problems associated system inflows have been lessened with the minimal flows associated with Sump 001 now that the 001 portion of the groundwater collection system has been partially closed.
- C. The post-closure monitoring data indicate that the Phase 1 closure of the 001 groundwater collection system addressed the previously observed high water levels at Sump 001, which had led to periodic overtopping of that manhole.

¹ Upon further evaluation, CBS and CRA are developing an alternative approach to the previously considered inflatable bladders to temporarily seal conveyance piping. The revised approach involves installing a smaller-diameter pipe, with valves, within the large drain pipes and grouting the smaller diameter pipe into place. CBS will furnish NYSDEC and the Niagara Frontier Transportation Authority (NFTA) a detail of this revised design for concurrence before proceeding with the temporary closures.

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The ongoing periodic overtopping at Sump 002 will be addressed through the partial closure of that portion of the groundwater collection system.

- D. The Phase 1 closure of the 002 system is expected to reduce the conveyance of groundwater containing VOCs via underdrains and storm sewers installed by the NFTA as part of airport development.
- E. Other operational issues are being addressed in the course of O&M activities.

* * * *

Please contact me if you have questions regarding this status report.

Very truly yours,



Leo M. Brausch
Consultant/Project Engineer

LMB:
Attachments

cc: K. P. Lynch, CRA
C. D'Aloise, NFTA

TABLES

Table 1
Summary of Treatment System Influent Monitoring Data
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Outfall	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
08/21/00	Composite	200 U	200 U	200 U	3,100	200 U	1.5	NA
08/29/00	Composite	200 U	200 U	200 U	8,500	200 U	0.7	NA
09/06/00	Composite	200 U	200 U	200 U	4,100	200 U	0.7 U	NA
09/13/00	Composite	400 U	400 U	400 U	9,600	400 U	1.6	NA
09/20/00	Composite	54 J	100 U	100 U	2,500	100 U	0.6 U	NA
09/27/00	Composite	100 U	100 U	100 U	2,200	100 U	0.68 J	NA
10/04/00	Composite	60 J	100 U	100 U	2,500	100 U	0.69 J	NA
10/10/00	Composite	23 J	25 U	25 U	430	25 U	0.5 U	NA
03/29/01	Composite	9.1 J	10 U	1.4 J	16	10 U	1.5	2.5 U
06/26/01	001	25	4.5 U	0.9 J	37	4.5 U	448	NA
06/26/01	002	16	4.5 U	2.3 J	280	4.5 U	3.0 U	NA
06/26/01	003	510	4.5 U	4.5 J	1,700	4.5 U	3.0 U	NA
09/29/01	Comp - Perm	18	25 U	4 J	8.3 J	10 U	0.25 U	7.4
09/29/01	Comp - Temp	14 J	25 U	25 U	350	25 U	0.25 U	8.7
12/21/01	Composite	14	10 U	10 U	130	10 U	1.7	4.1 U
03/14/02	Composite	18	10 U	10 U	130	10 U	0.29	4.5
10/15/02	Composite	11.3	530	9.0	990	16	5 U	NA
12/15/02	Composite	7.3	19	0.16	46	1.3	8.4	50 U
03/15/03	Composite	7.8	14	1.0	29	NA	21	3 U
06/11/03	Composite	11.0	130	64	570	25 U	4.2	5.5
09/09/03	Composite	8.6	290	25 U	620	15	3.0	3.5
12/10/03	Composite	8.6	54	25 U	430	25 U	2.5	3.0
03/12/04	Composite	7.7	51	2.0 U	3.9	2.0 U	1.4	1.6
06/09/04	Composite	8.3	54	40 U	650	40 U	1.8	6.8

Table 1
Summary of Treatment System Influent Monitoring Data
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Outfall	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
09/13/04	Composite	10.3	98	10 U	250	10 U	1.8	2.2
12/13/04	Composite	140	4.4 J	20 U	470	20 U	0.81 J	1.6 J
03/23/05	Composite	46	15 U	15 U	250	15 U	2.1 J	1.5 U
06/09/05	Composite	100	15 U	15 U	1,200	5.4 J	1.2 J	3.0 U
10/03/05	Composite	26	1.0 U	2.0	8.6	11	5.0 U	3.0 U
12/16/05	Composite	34	5.0 U	5.0 U	140	3.5 J	0.68 J	3.0 U
03/13/06	Composite	36	10 U	10 U	190	2.6 J	0.95 J	2.0 J
05/09/06	Composite	87	10 U	10 U	710	5.6 J	1.0 J	3.0 U
06/12/06	Composite	72	3.3 U	3.3 U	190	4.0 J	0.72 J	3.0 U
09/11/06	Composite	16	5.0 U	5.0 U	85	5 U	0.47 J	2.0 J
12/11/06	Composite	14	5.0 U	5.0 U	71	1.8 J	5.0 U	3.0 U
03/22/07	Composite	32	5.0 U	2.7 J	130	4.6 J	1.2 J	3.0 U
06/20/07	Composite	31	0.45 J	0.76 J	210	1.7 J	0.44 J	3.0 U
09/17/07	Composite	89	20 U	20 U	730	7.0 J	5.0 U	3.0 U
12/18/07	Composite	18	2.0 U	2.0 U	90	1.5 J	5.0 U	3.0 U
03/19/08	Composite	12	0.38 J	1.0 J	120	1.2 J	5.0 U	3.0 U
06/17/08	Composite	20	4.0 U	4.0 U	190	2.3 J	5.0 U	3.0 U
09/18/08	Composite	20	2.0 U	2.0 U	180	4.4	5.0 U	3.0 U
12/18/08	Composite	19	0.17 J	2.0 U	98	2.8	5.0 U	3.0 U
03/30/09	Composite	5.2	1.0 U	1.0 U	73	1.6	5.0 U	3.0 U
06/12/09	Composite	18	5.0 U	1.1 J	180	2.5 J	5.0 U	3.0 U
09/30/09	Composite (002 & 003)	43	10 U	10 U	310	4.4 J	0.85 J	3.0 U
12/29/09	Composite (002 & 003)	19	2.0 U	0.51 J	120	1.1 J	0.56 J	1.9 J

Table 1
Summary of Treatment System Influent Monitoring Data
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Outfall	Constituent Concentration (ug/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
03/17/10	Composite (002 & 003)	13	0.29 J	0.56 J	93	2.2	5.0 U	1.8 J
06/30/10	Composite (002 & 003)	24	3.3 U	3.3 U	310	1.2 J	5.0 U	5.0 U
09/28/10	Composite (002 & 003)	18	2.0 U	2.0 U	140	0.77 J	5.0 U	5.0 U
01/19/11	Composite (002 & 003)	79	5.0 U	5.0 U	340	6.3	5.0 U	3.0 U
03/30/11	Composite (002 & 003)	76	5.0 U	5.0 U	180	3.7 J	5.0 U	15 U
06/09/11	Composite (002 & 003)	37	13 U	13 U	230	13 U	5.0 U	3.0 U
09/15/11	Composite (002 & 003)	160	110	13 U	460	13 J	5.0 U	3.0 U
12/12/11	Composite (002 & 003)	56	10 U	10 U	200	10 U	5.0 U	1.3 J

Data Legend:

"NA" - indicates not analyzed

Detections and estimated values are in **bold-face** type.

Data qualifiers:

U - not detected at indicated detection limit

J - estimated concentration below reporting limit but above minimum detection limit.

Table 2
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
05/11/00	1,500	5 U	5 U	3,700	540	5 U	3 U
12/01/00	2,200	5 U	5 U	1,200	110	1 U	10 U
12/01/00 (Dup)	2,300	10 U	10 U	1,900	230 J	NA	NA
03/30/01	1,600	100 U	100 U	650	340	5 U	3 U
03/30/01 (Dup)	1,500	100 U	100 U	610	310	5 U	3 U
06/21/01	2,800	250 U	250 U	4,100	890	5 U	3 U
06/21/01 (Dup)	2,700	250 U	250 U	4,000	830	5 U	3 U
09/13/01	4,000	250 U	250 U	2,900	1,000	0.70 J	3 U
09/13/01 (Dup)	4,100	250 U	250 U	2,800	1,100	0.83 J	3 U
12/13/01	2,300	200 U	200 U	2,500	590	5 U	3 U
12/31/01 (Dup)	2,200	200 U	200 U	2,400	560	5 U	3 U
03/14/02	560	250 U	250 U	730	98	5 U	3 U
03/14/02 (Dup)	570	250 U	250 U	710	100	5 U	3 U
07/10/02	1,200	NA	NA	2,000	190	NA	NA
12/31/02	480	NA	50 U	530	66	0.34 J	4.9
12/31/02 (Dup)	510	NA	50 U	580	77	5 U	4.7
03/29/03	1,000	80 U	80 U	740	150	5 U	3 U
06/17/03	1,100	200 U	200 U	2,400	130 J	0.34 J	4.9
06/17/03 (Dup)	1,100	100 U	100 U	1,700	110	5 U	3 U
09/26/03	2,800	100 U	100 U	8,100	310 J	5 U	3 U
12/22/03	1,000	100 U	100 U	1,300	97 J	5 U	1.1 J
03/29/04	460	10 U	10 U	570	20 J	5 U	3 U
06/30/04	620	200 U	200 U	1,900	200 U	5 U	3 U
09/13/04	2,100	200 U	200 U	2,900	130 J	5 U	1.8 J
12/17/04	640	10 U	10 U	420	45	5 U	3 U
12/17/04 (Dup)	760	50 U	50 U	790	50 J	5 U	2.3 J
03/31/05	570	50 U	50 U	680	49 J	5 U	3 U
06/22/05	540	10 U	10 U	810	100	5 U	3 U
06/22/05 (Dup)	1,100	100 U	100 U	880	140	5 U	3 U
09/09/05	1,400	330 U	330 U	1,700	96 J	5 U	3 U
12/14/05	900	10 U	10 U	700	56	5 U	3 U
12/14/05 (Dup)	1,200	100 U	100 U	750	68 J	5 U	3 U

Table 2
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
03/23/06	350	30 U	30 U	290	36	5 U	3 U
06/13/06	410	50 U	50 U	440	13 J	5 U	3 U
06/13/06 (Dup)	540	50 U	50 U	880	51	5 U	3 U
09/11/06	1,400	150 U	150 U	2,000	85 J	0.34 J	4.9 J
12/12/06	290	40 U	40 U	67	42 J	5 U	1.2 B
12/12/06 (Dup)	590	50 U	50 U	240	75 J	5 U	3.1
03/27/07	380	10 U	10 U	22	36 J	5 U	2.4 J
06/26/07	1,700	150 U	150 U	23 J	710	5 U	1.5 J
09/17/07	2,500	150 U	150 U	410	140	5 U	1.5 J
12/19/07	1,500	150 U	150 U	160	200	0.29 J	3.0
12/19/07 (Dup)	1,500	100 U	100 U	170	200	5 U	3 U
03/19/08	530	40 U	40 U	110	53	0.38 J	2.2 J
06/26/08	520	50 U	50 U	310	27 J	5 U	1 U
09/30/08	420	50 U	50 U	120	48	5 U	1 U
12/11/08	200	20 U	20 U	200	9.9 J	5 U	5.4
12/11/08 (Dup)	170	10 U	10 U	180	9.0 J	5 U	3.5
03/05/09	280	20 U	20 U	170	25	0.090 J	4.1
06/22/09	430	40 U	40 U	590	22 J	5 U	1.6 J
06/22/09 (Dup)	410	40 U	40 U	540	24 J	5 U	3.4
09/10/09	320	25 U	25 U	330	26	5 U	3.8
12/07/09	390	50 U	50 U	370	17 J	5 U	2.5 J
12/07/09 (Dup)	380	50 U	50 U	370	16 J	5 U	1.1 J
03/22/10	360	25 U	25 U	160	25 J	5 U	3.1
06/14/10	260	20 U	20 U	250	18 J	5 U	2.5 J
09/03/10	240	20 U	20 U	240	17 J	5 U	3 U
12/21/10	400	50 U	50 U	290	22 J	5 U	3 U
03/24/11	210	20 U	20 U	130	11 J	5 U	3 U
06/14/11	190	5 U	5 U	210	11	5 U	1.6 J

Table 2
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
09/09/11	330	10 U	10 U	410	32	5 U	3 U
12/16/11	230	13 U	13 U	280	19	5 U	3 U

Data Legend:

"NA" - indicates not analyzed

Detections and estimated values are in **bold-face** type.

For clarity, the results of the most-recent sampling round are highlighted in light green.

Data qualifiers:

U - not detected at indicated reporting limit

J - estimated concentration above minimum detection limit (MDL), but below RL.

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (µg/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-2	05/04/00	5 U	5 U	5 U	5 U	1.6 J	1.3	3.0 J
	11/30/00	5 U	5 U	5 U	5 U	5 U	1 U	10 U
	03/29/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/21/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	09/13/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/13/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	03/14/02	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/31/02	NA	10 U	10 U	10 U	10 U	5 U	2.0 J
	06/17/03	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/22/03	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/15/04	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/17/04	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/22/05	10 U	10 U	10 U	10 U	10 U	5 U	4.1
	12/15/05	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/13/06	10 U	10 U	10 U	10 U	10 U	5 U	2.4 J
	12/12/06	10 U	10 U	10 U	10 U	10 U	5 U	4.3
	06/26/07	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/19/07	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/26/08	10 U	10 U	10 U	10 U	10 U	5 U	5.6
	12/11/08	10 U	10 U	10 U	10 U	10 U	5 U	3.2
	06/22/09	10 U	10 U	10 U	10 U	10 U	5 U	1.7 J
	12/07/09	10 U	10 U	10 U	10 U	10 U	5 U	1.5 J
	06/14/10	10 U	10 U	10 U	10 U	10 U	5 U	4.7
	12/21/10	10 U	10 U	10 U	10 U	10 U	5 U	3.2
	06/14/11	5 U	5 U	5 U	5 U	5 U	5 U	2.0 J
	12/16/11	5 U	5 U	5 U	5 U	5 U	0.22 J	6.3

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (µg/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-5	05/11/00	5 U	5 U	5 U	5.0	5 U	1 U	18
	11/30/00	NA	5 U	5 U	5 U	5 U	1 U	10 U
	03/29/01	10 U	10 U	10 U	7.1 J	10 U	1.1	14
	06/21/01	10 U	10 U	10 U	4.1 J	10 U	5 U	3 U
	09/13/01	10 U	10 U	10 U	1.5 J	10 U	1.2	15
	12/13/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	03/14/02	10 U	10 U	10 U	10 U	10 U	0.29 J	3 U
	12/31/02	10 U	NA	10 U	10 U	10 U	0.57 J	5.0
	06/17/03	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/22/03	10 U	10 U	10 U	10 U	10 U	5 U	6.1
	06/30/04	10 U	10 U	10 U	10 U	10 U	1.0 J	45
	12/17/04	10 U	10 U	10 U	10 U	10 U	0.43 J	17
	06/22/05	10 U	10 U	10 U	1.1 J	10 U	0.23 J	35
	12/14/05	10 U	10 U	10 U	10 U	10 U	5 U	9.4
	06/13/06	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/12/06	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/26/07	10 U	10 U	10 U	10 U	10 U	5 U	1.8 J
	12/19/07	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/26/08	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/11/08	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/22/09	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/07/09	10 U	10 U	10 U	10 U	10 U	5 U	3 U
06/14/10	10 U	10 U	10 U	10 U	10 U	5 U	3 U	
06/14/10 (dup)	10 U	10 U	10 U	10 U	10 U	5 U	3 U	
12/21/10	10 U	10 U	10 U	10 U	10 U	5 U	3 U	
12/21/10 (dup)	10 U	10 U	10 U	10 U	10 U	5 U	3 U	
06/14/11	5 U	5 U	5 U	0.9 J	5 U	5 U	3 U	
12/16/11	5 U	5 U	5 U	5 U	5 U	5 U	3 U	

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (µg/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-28	05/04/00	5 U	5 U	5 U	5 U	5 U	1.5	3.1 J
	03/29/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/21/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	09/13/01	10 U	10 U	10 U	10 U	10 U	5 U	7.0
	12/12/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	03/14/02	10 U	10 U	10 U	10 U	10 U	5 U	8.8
	12/31/02	10 U	NA	10 U	10 U	10 U	5 U	4.7 J
	06/17/03	10 U	10 U	10 U	10 U	10 U	5 U	1.4 J
	12/22/03	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/15/04	10 U	10 U	10 U	10 U	10 U	5 U	35
	12/17/04	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/22/05	10 U	10 U	10 U	10 U	10 U	5 U	37
	12/15/05	10 U	10 U	10 U	10 U	10 U	5 U	12
	06/13/06	10 U	10 U	10 U	10 U	10 U	5 U	37
	12/12/06	10 U	10 U	10 U	10 U	10 U	5 U	43
	06/26/07	10 U	10 U	10 U	10 U	10 U	5 U	59
	12/19/07	10 U	10 U	10 U	10 U	10 U	0.72 J	65
	06/26/08	10 U	10 U	10 U	10 U	10 U	5 U	8.2
	12/11/08	10 U	10 U	10 U	10 U	10 U	5 U	4.6
	06/22/09	10 U	10 U	10 U	10 U	10 U	5 U	4.6
12/07/09	10 U	10 U	10 U	10 U	10 U	5 U	19	
06/14/10	10 U	10 U	10 U	10 U	10 U	1.1 J	68	
12/21/10	10 U	10 U	10 U	10 U	10 U	5 U	17	
06/14/11	5 U	5 U	5 U	5 U	5 U	5 U	5.1	
06/14/11 (dup)	5 U	5 U	5 U	5 U	5 U	5 U	6.8	
12/16/11	5 U	5 U	5 U	5 U	5 U	0.13 J	6.4	
12/16/11 (dup)	5 U	5 U	5 U	5 U	5 U	5 U	6.0	

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (µg/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-30	05/04/00	5 U	5 U	5 U	5 U	5 U	3.0	12
	11/30/00	NA	5 U	5 U	5 U	5 U	1.0 U	10 U
	03/29/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/21/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	09/13/01	10 U	10 U	10 U	10 U	10 U	0.60 J	2.7 J
	12/13/01	10 U	NA	10 U	10 U	10 U	5 U	3 U
	03/14/02	10 U	10 U	10 U	10 U	10 U	0.59 J	3.7
	12/31/02	10 U	10 U	10 U	10 U	10 U	1.6 J	9.4
	06/18/03	10 U	10 U	10 U	10 U	10 U	0.47 J	4.3
	12/22/03	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/15/04	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	01/05/05	10 U	10 U	10 U	10 U	10 U	5 U	2.8 J
	06/22/05	10 U	10 U	10 U	10 U	10 U	2.4 J	28
	12/14/05	10 U	10 U	10 U	10 U	10 U	0.90 J	5.9
	06/13/06	10 U	10 U	10 U	10 U	10 U	1.9 J	15
	12/12/06	10 U	10 U	10 U	10 U	10 U	0.91 J	12
	06/26/07	10 U	10 U	10 U	10 U	10 U	1.7 J	18
	12/19/07	10 U	10 U	10 U	10 U	10 U	0.65 J	15
	06/26/08	10 U	10 U	10 U	10 U	10 U	1.4 J	15
	12/11/08	10 U	10 U	1.1 J	10 U	10 U	0.55 J	12
06/22/09	10 U	10 U	10 U	10 U	10 U	2.6 J	30	
09/10/09	10 U	10 U	10 U	10 U	10 U	0.63 J	10	
12/07/09	10 U	10 U	10 U	10 U	10 U	1.4 J	14	
06/14/10	10 U	10 U	10 U	10 U	10 U	3.0 J	37	
12/21/10	10 U	10 U	10 U	10 U	10 U	1.3 J	13	
06/14/11	5 U	5 U	5 U	5 U	5 U	2.0 J	21	
12/16/11	5 U	5 U	5 U	5 U	5 U	1.7 J	14	

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (µg/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-31	05/09/00	5 U	5 U	5 U	5 U	5 U	1 U	3 U
	11/30/00	NA	5 U	5 U	5 U	5 U	1 U	10 U
	03/29/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/21/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	09/13/01	10 U	10 U	10 U	10 U	10 U	0.27 J	3 U
	12/13/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	03/14/02	10 U	10 U	10 U	10 U	10 U	0.55 J	3.4
	12/31/02	10 U	NA	10 U	10 U	10 U	5 U	2.9 J
	06/17/03	10 U	10 U	10 U	10 U	10 U	5 U	8.1
	12/22/03	10 U	10 U	10 U	10 U	10 U	5 U	13
	06/30/04	10 U	10 U	10 U	10 U	10 U	0.38 J	11
	12/17/04	10 U	10 U	10 U	10 U	10 U	5 U	2.0 J
	06/22/05	10 U	10 U	10 U	10 U	10 U	1.1 J	38.2
	12/15/05	10 U	10 U	10 U	10 U	10 U	0.58 J	3.9
	06/13/06	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/12/06	10 U	10 U	10 U	10 U	10 U	5 U	2.4 J
	06/26/07	10 U	10 U	10 U	10 U	10 U	1.1 J	23.1
	12/19/07	10 U	10 U	10 U	10 U	10 U	6.2	116
	06/27/08	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/11/08	10 U	10 U	10 U	10 U	10 U	5 U	3 U
06/22/09	10 U	10 U	10 U	10 U	10 U	5 U	3 U	
09/10/09	10 U	10 U	10 U	10 U	10 U	5 U	3 U	
12/07/09	10 U	10 U	10 U	10 U	10 U	5 U	3 U	
06/14/10	10 U	10 U	10 U	10 U	10 U	5 U	3 U	
12/21/10	10 U	10 U	10 U	10 U	10 U	5 U	2.3 J	
06/14/11	5 U	5 U	5 U	5 U	5 U	5 U	3 U	
12/16/11	5 U	5 U	5 U	5 U	5 U	5 U	3 U	

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (µg/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-33	05/11/00	NA	5 U	1.3 J	5 U	5 U	1.3	3 U
	12/01/00	NA	5 U	35	5 U	5 U	1 U	10 U
	03/28/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/21/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	09/13/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/13/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	03/14/02	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/31/02	10 U	NA	10 U	10 U	10 U	5 U	3 U
	06/18/03	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/22/03	10 U	10 U	10 U	10 U	10 U	1.2 J	15
	06/15/04	10 U	10 U	10 U	10 U	10 U	5 U	7.4
	12/17/04	10 U	10 U	10 U	10 U	10 U	5 U	2.5 J
	06/22/05	10 U	10 U	10 U	10 U	10 U	5 U	1.9 J
	12/14/05	23	10 U	10 U	16	1.5 J	5 U	3 U
	06/13/06	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/12/06	10 U	10 U	10 U	10 U	10 U	5 U	2.7 J
	06/26/07	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/19/07	10 U	10 U	10 U	10 U	10 U	5 U	2.6 J
	06/26/08	10 U	10 U	10 U	10 U	10 U	5 U	2.3 J
	12/11/08	10 U	10 U	10 U	10 U	10 U	5 U	3.2
06/22/09	10 U	10 U	10 U	10 U	10 U	5 U	4.5	
12/07/09	10 U	10 U	10 U	10 U	10 U	5 U	2.3 J	
06/14/10	10 U	10 U	10 U	10 U	10 U	5 U	3.2	
12/21/10	10 U	10 U	10 U	10 U	10 U	5 U	3.9	
06/14/11	5 U	5 U	5 U	5 U	5 U	5 U	5.5	
12/16/11	5 U	5 U	5 U	5 U	5 U	5 U	3.1	

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (µg/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-34	05/06/00	5 U	5 U	10 U	5 U	5 U	1.2	3.8 J
	11/30/00	5 U	5 U	35 U	5 U	5 U	2.1	10 U
	03/28/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/21/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	09/13/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/13/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	03/14/02	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/31/02	10 U	NA	10 U	10 U	10 U	5 U	2.8 J
	06/18/03	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/22/03	10 U	10 U	10 U	10 U	10 U	5 U	2.3 J
	06/15/04	10 U	10 U	10 U	10 U	10 U	0.29 J	4.1
	01/05/05	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/22/05	10 U	10 U	10 U	10 U	10 U	5 U	5.4
	12/14/05	10 U	10 U	10 U	10 U	10 U	0.41 J	6.5
	06/13/06	10 U	10 U	10 U	10 U	10 U	5 U	2.7 J
	12/12/06	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/26/07	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/19/07	10 U	10 U	10 U	10 U	10 U	5 U	4.3
	06/26/08	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/11/08	10 U	10 U	10 U	10 U	10 U	5 U	3.2
06/22/09	10 U	10 U	10 U	10 U	10 U	5 U	1.9 J	
09/10/09	10 U	10 U	10 U	10 U	10 U	5 U	3.1	
12/07/09	10 U	10 U	10 U	10 U	10 U	5 U	1.4 J	
06/14/10	10 U	10 U	10 U	10 U	10 U	5 U	3.2	
12/21/10	10 U	10 U	10 U	10 U	10 U	5 U	0.96 J	
06/14/11	5 U	5 U	5 U	5 U	5 U	5 U	3 U	
12/16/11	5 U	5 U	5 U	5 U	5 U	0.20 J	3 U	

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (µg/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-34D	05/06/00	5 U	5 U	5 U	5 U	5 U	1.2	3.1 J
	11/30/00	5 U	5 U	5 U	5 U	5 U	1 U	10 U
	03/28/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	06/21/01	10 U	2.2 J	10 U	1.1 J	10 U	5 U	3 U
	09/13/01	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/13/01	10 U	10 U	10 U	10 U	10 U	5 U	4 U
	03/14/02	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/31/02	10 U	NA	10 U	10 U	10 U	5 U	2.3 J
	06/18/03	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/22/03	10 U	10 U	10 U	10 U	10 U	5 U	13
	06/15/04	10 U	10 U	10 U	10 U	10 U	5 U	3.9
	01/05/05	10 U	10 U	10 U	10 U	10 U	5 U	1.7 J
	06/22/05	10 U	10 U	10 U	10 U	10 U	5 U	9.8
	12/14/05	10 U	10 U	10 U	10 U	10 U	5 U	2.6 J
	06/13/06	10 U	10 U	10 U	10 U	10 U	1.7 J	3 U
	12/12/06	10 U	10 U	10 U	10 U	10 U	5 U	7.0
	06/26/07	10 U	10 U	10 U	10 U	10 U	0.47 J	3 U
	06/26/07	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/19/07	10 U	10 U	10 U	10 U	10 U	0.31 J	2.4 J
	06/26/08	10 U	10 U	10 U	10 U	10 U	5 U	3 U
	12/11/08	10 U	10 U	10 U	10 U	10 U	0.23 J	2.4 J
	06/22/09	10 U	10 U	10 U	10 U	10 U	0.37 J	3 U
	09/10/09	10 U	10 U	10 U	10 U	10 U	0.16 J	3 U
12/07/09	10 U	10 U	10 U	10 U	10 U	0.38 J	3 U	
06/14/10	10 U	10 U	10 U	10 U	10 U	0.53 J	3 U	
12/21/10	10 U	10 U	10 U	10 U	10 U	0.57 J	1.3 J	
06/14/11	5 U	5 U	5 U	5 U	5 U	0.26 J	3 U	
12/16/11	5 U	5 U	5 U	5 U	5 U	0.70 J	1.8 J	

Table 3
Summary of Groundwater Monitoring Data
Selected Wells in Central and Southern Portion of Site
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well Number	Date of Sampling	Constituent Concentration (µg/L)						
		cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
Remedial Action Objective		5	5	5	5	5	5	25
MW-35	09/10/09	10 U	10 U	10 U	10 U	10 U	5 U	2.1 J
	12/07/09	10 U	10 U	10 U	10 U	10 U	5 U	2.0 J
	06/14/10	10 U	10 U	10 U	10 U	10 U	5 U	8.2
	12/21/10	10 U	10 U	10 U	10 U	10 U	5 U	14
	06/14/11	5 U	5 U	5 U	5 U	5 U	5 U	4.6
	12/16/11	5 U	5 U	5 U	5 U	5 U	5 U	1.4 J

Data Legend:

"NA" - indicates not analyzed

Detections and estimated values are in **bold-face** type.

Concentrations above Remedial Action Objectives are highlighted in yellow.

For clarity, the results of the most-recent sampling round are highlighted in light green.

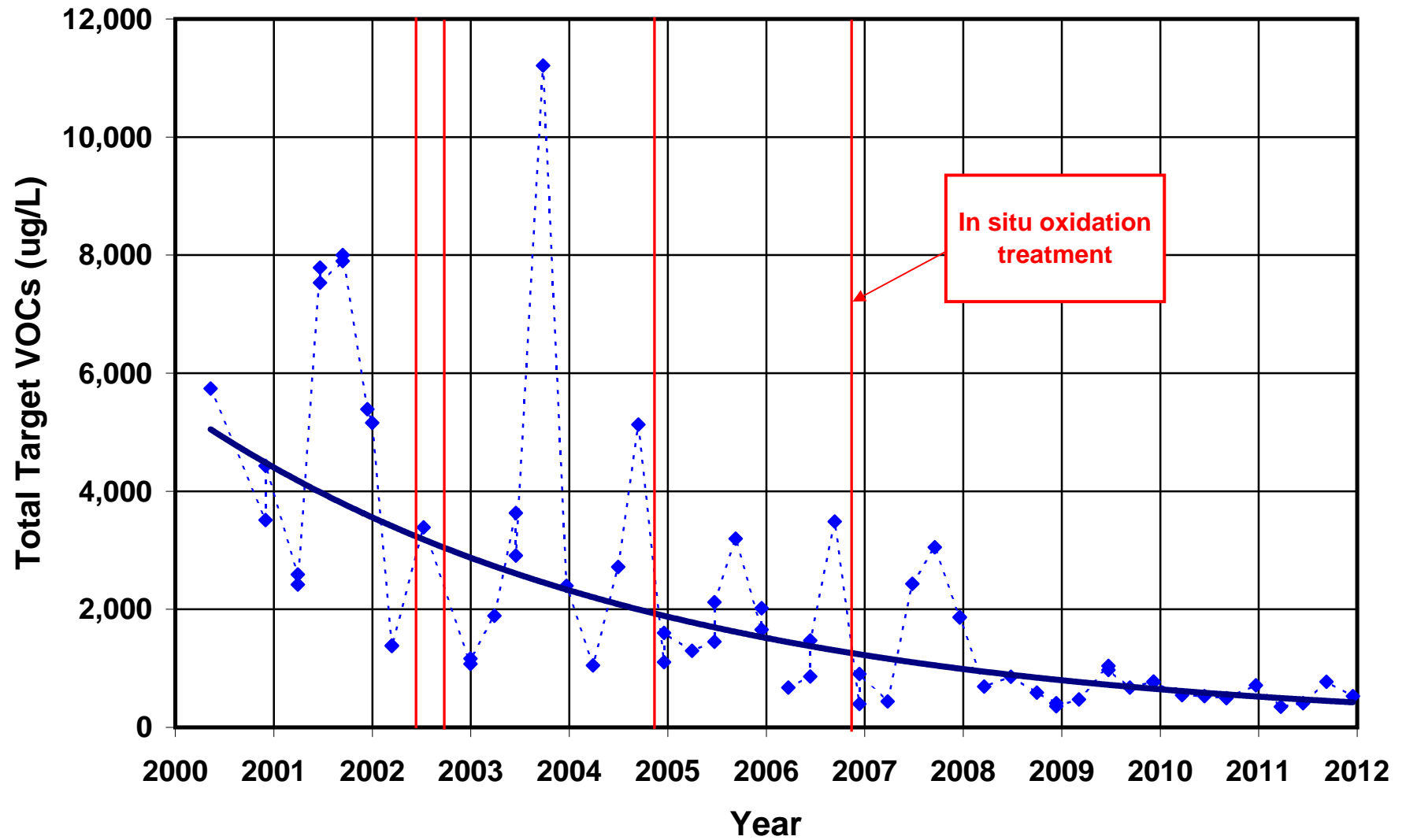
Data qualifiers:

U - not detected at indicated reporting limit (RL)

J - estimated concentration above minimum detection limit (MDL), but below RL.

FIGURE

Figure 1: Total Target VOCs at MW-32



ATTACHMENT A
DISCHARGE MONITORING REPORT
DECEMBER 2011

Discharge Monitoring Data
Outfall 001 - Treated Groundwater Remediation Discharge
NYSDEC Site No. 9-15-006
Cheektowaga, New York

Reporting Month & Year **Dec-11**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		5,345	gpd		Continuous	Meter
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	7.18	7.38	s.u.		8	Grab
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		< 4.0	mg/L	< 0.18	1	Grab
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		< 1.0	ug/L	< 0.00004	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		< 0.15	ug/L	< 0.000007	1	Grab
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		2.3	ug/L	0.00010	1	Grab
	Discharge Limitation		99	ug/L		Monthly	Grab

ATTACHMENT B
ANALYTICAL LABORATORY REPORT
DECEMBER 2011 INFLUENT AND EFFLUENT SAMPLING

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pittsburgh

301 Alpha Drive

RIDC Park

Pittsburgh, PA 15238

Tel: (412)963-7058

TestAmerica Job ID: 180-6816-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

12/21/2011 11:39:36 AM

John Danek

Project Manager I

john.danek@testamericainc.com

Designee for

Carrie Gamber

Project Manager II

carrie.gamber@testamericainc.com

LINKS

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results through

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Have a Question?



Visit us at:

www.testamericainc.com

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

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

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Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6816-1

Job ID: 180-6816-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-6816-1

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method 624: The following sample(s) was diluted due to the abundance of target analytes: (180-6816-2 MS), (180-6816-2 MSD), IFF1211 (180-6816-2). Elevated reporting limits (RLs) are provided. Batch #23855.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.



Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6816-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6816-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pittsburgh	ACLASS	DoD ELAP		ADE-1422
TestAmerica Pittsburgh	Arkansas	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAC	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAC	4	E871008
TestAmerica Pittsburgh	Illinois	NELAC	5	002602
TestAmerica Pittsburgh	Kansas	NELAC	7	E-10350
TestAmerica Pittsburgh	Louisiana	NELAC	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAC	1	203011
TestAmerica Pittsburgh	New Jersey	NELAC	2	PA005
TestAmerica Pittsburgh	New York	NELAC	2	11182
TestAmerica Pittsburgh	North Carolina	North Carolina DENR	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAC	3	02-00416
TestAmerica Pittsburgh	Pennsylvania	State Program	3	02-416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014002
TestAmerica Pittsburgh	USDA	USDA		P330-10-00139
TestAmerica Pittsburgh	USDA	USDA		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAC	8	STLP
TestAmerica Pittsburgh	Virginia	NELAC	3	460189
TestAmerica Pittsburgh	West Virginia	West Virginia DEP	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800

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.



Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6816-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-6816-1	EFF1211	Water	12/12/11 09:00	12/15/11 10:00
180-6816-2	IFF1211	Water	12/12/11 09:00	12/15/11 10:00

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Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6816-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL PIT
200.7 Rev 4.4	Metals (ICP)	EPA	TAL PIT
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL PIT
SM 4500 H+ B	pH	SM	TAL PIT

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater",

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058



Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6816-1

Client Sample ID: EFF1211
Date Collected: 12/12/11 09:00
Date Received: 12/15/11 10:00

Lab Sample ID: 180-6816-1
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/16/11 17:39	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/16/11 17:39	1
Toluene	1.0	U	1.0	0.15	ug/L			12/16/11 17:39	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/16/11 17:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/16/11 17:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/16/11 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		58 - 135					12/16/11 17:39	1
4-Bromofluorobenzene (Surr)	92		62 - 123					12/16/11 17:39	1
Toluene-d8 (Surr)	92		71 - 118					12/16/11 17:39	1
Dibromofluoromethane (Surr)	97		64 - 128					12/16/11 17:39	1

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.15	ug/L		12/16/11 10:31	12/19/11 23:39	1
Chromium	2.3	J	5.0	0.51	ug/L		12/16/11 10:31	12/19/11 23:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	2.0	mg/L			12/15/11 13:34	1
pH	7.38	HF	0.100	0.100	SU			12/15/11 15:37	1

Client Sample ID: IFF1211
Date Collected: 12/12/11 09:00
Date Received: 12/15/11 10:00

Lab Sample ID: 180-6816-2
Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	2.8	J	10	1.5	ug/L			12/16/11 18:03	10
Tetrachloroethene	10	U	10	1.5	ug/L			12/16/11 18:03	10
Toluene	10	U	10	1.5	ug/L			12/16/11 18:03	10
1,1,1-Trichloroethane	10	U	10	2.9	ug/L			12/16/11 18:03	10
Trichloroethene	200		10	1.4	ug/L			12/16/11 18:03	10
Vinyl chloride	10	U	10	2.3	ug/L			12/16/11 18:03	10
1,2-Dichlorobenzene	10	U	10	1.5	ug/L			12/16/11 18:03	10
cis-1,2-Dichloroethene	56		10	2.4	ug/L			12/16/11 18:03	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		58 - 135					12/16/11 18:03	10
4-Bromofluorobenzene (Surr)	88		62 - 123					12/16/11 18:03	10
Toluene-d8 (Surr)	94		71 - 118					12/16/11 18:03	10
Dibromofluoromethane (Surr)	93		64 - 128					12/16/11 18:03	10

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.15	ug/L		12/16/11 10:31	12/19/11 23:59	1
Chromium	6.1		5.0	0.51	ug/L		12/16/11 10:31	12/19/11 23:59	1
Lead	1.3	J	3.0	1.3	ug/L		12/16/11 10:31	12/19/11 23:59	1

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6816-1

Client Sample ID: IFF1211
Date Collected: 12/12/11 09:00
Date Received: 12/15/11 10:00

Lab Sample ID: 180-6816-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	10.2	HF	0.100	0.100	SU			12/15/11 15:40	1

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QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6816-1

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-23855/4

Matrix: Water

Analysis Batch: 23855

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			12/16/11 14:39	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			12/16/11 14:39	1
Toluene	1.0	U	1.0	0.15	ug/L			12/16/11 14:39	1
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			12/16/11 14:39	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			12/16/11 14:39	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			12/16/11 14:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			12/16/11 14:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			12/16/11 14:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		58 - 135		12/16/11 14:39	1
4-Bromofluorobenzene (Surr)	94		62 - 123		12/16/11 14:39	1
Toluene-d8 (Surr)	93		71 - 118		12/16/11 14:39	1
Dibromofluoromethane (Surr)	94		64 - 128		12/16/11 14:39	1

Lab Sample ID: LCS 180-23855/3

Matrix: Water

Analysis Batch: 23855

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	20.0	16.5		ug/L		83	60 - 140
Tetrachloroethene	20.0	19.1		ug/L		96	73 - 127
Toluene	20.0	19.4		ug/L		97	74 - 126
1,1,1-Trichloroethane	20.0	16.7		ug/L		84	75 - 125
Trichloroethene	20.0	17.9		ug/L		89	73 - 125
Vinyl chloride	20.0	16.7		ug/L		84	30 - 140
1,2-Dichlorobenzene	20.0	17.5		ug/L		87	68 - 127
cis-1,2-Dichloroethene	20.0	18.3		ug/L		92	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		58 - 135
4-Bromofluorobenzene (Surr)	98		62 - 123
Toluene-d8 (Surr)	96		71 - 118
Dibromofluoromethane (Surr)	88		64 - 128

Lab Sample ID: 180-6816-2 MS

Matrix: Water

Analysis Batch: 23855

Client Sample ID: IFF1211

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	2.8	J	200	168		ug/L		82	60 - 140
Tetrachloroethene	10	U	200	181		ug/L		91	73 - 127
Toluene	10	U	200	194		ug/L		97	74 - 126
1,1,1-Trichloroethane	10	U	200	184		ug/L		92	75 - 125
Trichloroethene	200		200	411	E	ug/L		106	73 - 125
Vinyl chloride	10	U	200	163		ug/L		82	30 - 140
1,2-Dichlorobenzene	10	U	200	180		ug/L		90	68 - 127
cis-1,2-Dichloroethene	56		200	257		ug/L		101	69 - 127

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6816-1

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 180-6816-2 MS

Matrix: Water

Analysis Batch: 23855

Client Sample ID: IFF1211

Prep Type: Total/NA

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	82		58 - 135
4-Bromofluorobenzene (Surr)	89		62 - 123
Toluene-d8 (Surr)	92		71 - 118
Dibromofluoromethane (Surr)	90		64 - 128

Lab Sample ID: 180-6816-2 MSD

Matrix: Water

Analysis Batch: 23855

Client Sample ID: IFF1211

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Methylene Chloride	2.8	J	200	166		ug/L		81	60 - 140	1	25	
Tetrachloroethene	10	U	200	196		ug/L		98	73 - 127	8	25	
Toluene	10	U	200	203		ug/L		102	74 - 126	5	25	
1,1,1-Trichloroethane	10	U	200	180		ug/L		90	75 - 125	2	25	
Trichloroethene	200		200	351		ug/L		76	73 - 125	16	25	
Vinyl chloride	10	U	200	161		ug/L		80	30 - 140	2	35	
1,2-Dichlorobenzene	10	U	200	179		ug/L		89	68 - 127	1	35	
cis-1,2-Dichloroethene	56		200	246		ug/L		95	69 - 127	5	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	83		58 - 135
4-Bromofluorobenzene (Surr)	91		62 - 123
Toluene-d8 (Surr)	94		71 - 118
Dibromofluoromethane (Surr)	89		64 - 128

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-23812/1-A

Matrix: Water

Analysis Batch: 24065

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 23812

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.15	ug/L		12/16/11 10:31	12/19/11 21:54	1
Chromium	5.0	U	5.0	0.51	ug/L		12/16/11 10:31	12/19/11 21:54	1
Lead	3.0	U	3.0	1.3	ug/L		12/16/11 10:31	12/19/11 21:54	1

Lab Sample ID: LCS 180-23812/2-A

Matrix: Water

Analysis Batch: 24065

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 23812

Analyte	Spike	LCS LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	RPD
Cadmium	50.0	48.7		ug/L		97	85 - 115	
Chromium	200	198		ug/L		99	85 - 115	
Lead	500	505		ug/L		101	85 - 115	

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6816-1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 180-6816-1 MS
Matrix: Water
Analysis Batch: 24065

Client Sample ID: EFF1211
Prep Type: Total Recoverable
Prep Batch: 23812

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Cadmium	5.0	U	50.0	49.2		ug/L		98	70 - 130
Chromium	2.3	J	200	207		ug/L		102	70 - 130
Lead	1.6		500	523		ug/L		104	70 - 130

Lab Sample ID: 180-6816-1 MSD
Matrix: Water
Analysis Batch: 24065

Client Sample ID: EFF1211
Prep Type: Total Recoverable
Prep Batch: 23812

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier		Result	Qualifier						
Cadmium	5.0	U	50.0	49.6		ug/L		99	70 - 130	1	20
Chromium	2.3	J	200	208		ug/L		103	70 - 130	0	20
Lead	1.6		500	529		ug/L		106	70 - 130	1	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 180-23700/2
Matrix: Water
Analysis Batch: 23700

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	4.0	U	4.0	2.0	mg/L			12/15/11 13:34	1

Lab Sample ID: LCS 180-23700/1
Matrix: Water
Analysis Batch: 23700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Lab Sample ID: 180-6817-A-9 DU
Matrix: Water
Analysis Batch: 23700

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD Limit
	Result	Qualifier	Result	Qualifier				
Total Suspended Solids	4.0	U	4.0	U	mg/L		NC	20

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-23631/1
Matrix: Water
Analysis Batch: 23631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6816-1

Method: SM 4500 H+ B - pH (Continued)

Lab Sample ID: 180-6795-B-68 DU
Matrix: Water
Analysis Batch: 23631

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	9.15	HF	9.160	HF	SU	--	0.1	2

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QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6816-1

GC/MS VOA

Analysis Batch: 23855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6816-1	EFF1211	Total/NA	Water	624	
180-6816-2	IFF1211	Total/NA	Water	624	
180-6816-2 MS	IFF1211	Total/NA	Water	624	
180-6816-2 MSD	IFF1211	Total/NA	Water	624	
LCS 180-23855/3	Lab Control Sample	Total/NA	Water	624	
MB 180-23855/4	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 23812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6816-1	EFF1211	Total Recoverable	Water	200.7	
180-6816-1 MS	EFF1211	Total Recoverable	Water	200.7	
180-6816-1 MSD	EFF1211	Total Recoverable	Water	200.7	
180-6816-2	IFF1211	Total Recoverable	Water	200.7	
LCS 180-23812/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-23812/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 24065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6816-1	EFF1211	Total Recoverable	Water	200.7 Rev 4.4	23812
180-6816-1 MS	EFF1211	Total Recoverable	Water	200.7 Rev 4.4	23812
180-6816-1 MSD	EFF1211	Total Recoverable	Water	200.7 Rev 4.4	23812
180-6816-2	IFF1211	Total Recoverable	Water	200.7 Rev 4.4	23812
LCS 180-23812/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	23812
MB 180-23812/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	23812

General Chemistry

Analysis Batch: 23631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6795-B-68 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	
180-6816-1	EFF1211	Total/NA	Water	SM 4500 H+ B	
180-6816-2	IFF1211	Total/NA	Water	SM 4500 H+ B	
LCS 180-23631/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 23700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6816-1	EFF1211	Total/NA	Water	SM 2540D	
180-6817-A-9 DU	Duplicate	Total/NA	Water	SM 2540D	
LCS 180-23700/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-23700/2	Method Blank	Total/NA	Water	SM 2540D	

CHAIN OF CUSTODY RECORD

bill 15 #9



CONESTOGA-ROVERS & ASSOCIATES
8055 Niagara Falls Blvd
Niagara Falls, NY 14201

*8055 Niagara Falls Blvd
Niagara Falls NY 14201*

SHIPPED TO (Laboratory Name):

*Tech America
Pitts*

REFERENCE NUMBER: 018036

*Buffalo Airport
Via car*

SAMPLERS SIGNATURE: *[Signature]*

PRINTED NAME: *Charles Bill*

SEQ. No.	DATE	TIME	SAMPLE No.
----------	------	------	------------

SAMPLE TYPE	No. of Containers	REMARKS
-------------	-------------------	---------

12-11	9:00	EFF-R11	water	5	5	1	1	
12-11	9:00	FFF-R11	water	5	5	1	1	

*629
6000
PARAMETERS
800:2 (Med)
25400
SAND*

TOTAL NUMBER OF CONTAINERS **15 Rec.** HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: <i>[Signature]</i> ①	DATE: 12-11 TIME: 10:00	RECEIVED BY: <i>[Signature]</i> ①	DATE: 12-18-11 TIME: 1500
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:

METHOD OF SHIPMENT:
 WAY BILL NO.
 RECEIVED FOR LABORATORY BY: **No: ORA 25338**

Write Fully Executed Copy
 Yellow Receiving Laboratory Copy
 Pink Shipper Copy
 Goldenrod Sampler Copy

gc

Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container pH</u>	<u>Preservative Added (mls)</u>	<u>Lot #</u>
EFF1211	180-6816-A-1	Plastic 500ml - with Nitric Acid	2	_____	_____
EFF1211	180-6816-B-1	Plastic 500ml - unpreserved		_____	_____
EFF1211	180-6816-C-1	Voa Vial 40ml - Hydrochloric Acid	P	_____	_____
EFF1211	180-6816-D-1	Voa Vial 40ml - Hydrochloric Acid	P	_____	_____
EFF1211	180-6816-E-1	Voa Vial 40ml - Hydrochloric Acid	P	_____	_____
IFF1211	180-6816-A-2	Plastic 500ml - with Nitric Acid	2	_____	_____
IFF1211	180-6816-B-2	Plastic 500ml - unpreserved		_____	_____
IFF1211	180-6816-C-2	Voa Vial 40ml - Hydrochloric Acid	P	_____	_____
IFF1211	180-6816-D-2	Voa Vial 40ml - Hydrochloric Acid	P	_____	_____
IFF1211	180-6816-E-2	Voa Vial 40ml - Hydrochloric Acid	P	_____	_____

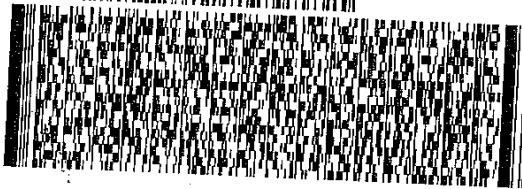


ORIGIN ID: DKKA (716) 297-2160
BRITT GEBHARDT
CRA SERVICES
2055 NIAGARA FALLS BLVD
NIAGARA FALLS, NY 14304
UNITED STATES US

SHIP DATE: 14DEC11
ACTWGT: 12.0 LB MAX
CAD: 68417/CAFE2509
DIMS: 13x9x9 IN
BILL SENDER

TO DAVE DUNLOP
TESTAMERICA
301 ALPHA DRIVE

PITTSBURGH PA 152381330
(412) 963-7058
REF: 018036 1171 BOLLER



TRK# 9803 8535 8058
0201

THU - 15 DEC A2
STANDARD OVERNIGHT

ZP AGCA

15238
PA-US PIT



Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-6816-1

Login Number: 6816

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Cox, Ronald J

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?	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	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	True	



ATTACHMENT C
ANALYTICAL LABORATORY REPORT
DECEMBER 2011 SEMI-ANNUAL GROUNDWATER SAMPLING

Well Sampling Key
December 16, 2011
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well No.	Sample No.	Well Sampling Method
MW-35	WG-18036-121611 -001	Bailer
MW-30	WG-18036-121611 -002	Bailer
MW-34	WG-18036-121611 -003	Bailer
MW-34D	WG-18036-121611 -004	Bailer
MW-33	WG-18036-121611 -005	Bailer
MW-32	WG-18036-121611 -006	Bailer
MW-2	WG-18036-121611 -007	Bailer
MW-28	WG-18036-121611 -008	Low-Flow
MW-28 (dup)	WG-18036-121611 -009	Low-Flow
MW-5	WG-18036-121611 -010	Low-Flow
MW-31	WG-18036-121611 -011	Low-Flow
Trip Blank	TB-18036-121611	--

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pittsburgh

301 Alpha Drive

RIDC Park

Pittsburgh, PA 15238

Tel: (412)963-7058

TestAmerica Job ID: 180-6897-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

12/28/2011 11:25:18 AM

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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.

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

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Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Job ID: 180-6897-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-6897-1

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 abundance of target analytes: WG-18036-121611-006 (180-6897-6).
Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

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Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pittsburgh	ACLASS	DoD ELAP		ADE-1422
TestAmerica Pittsburgh	Arkansas	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAC	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAC	4	E871008
TestAmerica Pittsburgh	Illinois	NELAC	5	002602
TestAmerica Pittsburgh	Kansas	NELAC	7	E-10350
TestAmerica Pittsburgh	Louisiana	NELAC	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAC	1	203011
TestAmerica Pittsburgh	New Jersey	NELAC	2	PA005
TestAmerica Pittsburgh	New York	NELAC	2	11182
TestAmerica Pittsburgh	North Carolina	North Carolina DENR	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAC	3	02-00416
TestAmerica Pittsburgh	Pennsylvania	State Program	3	02-416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014002
TestAmerica Pittsburgh	USDA	USDA		P330-10-00139
TestAmerica Pittsburgh	USDA	USDA		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAC	8	STLP
TestAmerica Pittsburgh	Virginia	NELAC	3	460189
TestAmerica Pittsburgh	West Virginia	West Virginia DEP	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800

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.



Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-6897-1	WG-18036-121611-001	Water	12/16/11 10:40	12/17/11 09:15
180-6897-2	WG-18036-121611-002	Water	12/16/11 10:55	12/17/11 09:15
180-6897-3	WG-18036-121611-003	Water	12/16/11 11:10	12/17/11 09:15
180-6897-4	WG-18036-121611-004	Water	12/16/11 11:25	12/17/11 09:15
180-6897-5	WG-18036-121611-005	Water	12/16/11 12:05	12/17/11 09:15
180-6897-6	WG-18036-121611-006	Water	12/16/11 12:25	12/17/11 09:15
180-6897-7	WG-18036-121611-007	Water	12/16/11 10:00	12/17/11 09:15
180-6897-8	WG-18036-121611-008	Water	12/16/11 11:10	12/17/11 09:15
180-6897-9	WG-18036-121611-009	Water	12/16/11 11:40	12/17/11 09:15
180-6897-10	WG-18036-121611-010	Water	12/16/11 13:00	12/17/11 09:15
180-6897-11	WG-18036-121611-011	Water	12/16/11 14:05	12/17/11 09:15
180-6897-12	TB-18036-121611	Water	12/16/11 00:00	12/17/11 09:15

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Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PIT
6010B	Metals (ICP)	SW846	TAL PIT

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

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Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Client Sample ID: WG-18036-121611-001

Lab Sample ID: 180-6897-1

Date Collected: 12/16/11 10:40

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			12/21/11 15:16	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/21/11 15:16	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/21/11 15:16	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/21/11 15:16	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/21/11 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		62 - 123		12/21/11 15:16	1
Toluene-d8 (Surr)	86		80 - 120		12/21/11 15:16	1
4-Bromofluorobenzene (Surr)	111		75 - 120		12/21/11 15:16	1
Dibromofluoromethane (Surr)	117		80 - 120		12/21/11 15:16	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		12/19/11 11:26	12/22/11 21:50	1
Lead	1.4	J	3.0	1.3	ug/L		12/19/11 11:26	12/22/11 21:50	1

Client Sample ID: WG-18036-121611-002

Lab Sample ID: 180-6897-2

Date Collected: 12/16/11 10:55

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			12/21/11 15:40	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/21/11 15:40	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/21/11 15:40	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/21/11 15:40	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/21/11 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 123		12/21/11 15:40	1
Toluene-d8 (Surr)	87		80 - 120		12/21/11 15:40	1
4-Bromofluorobenzene (Surr)	109		75 - 120		12/21/11 15:40	1
Dibromofluoromethane (Surr)	118		80 - 120		12/21/11 15:40	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.7	J	5.0	0.13	ug/L		12/19/11 11:26	12/22/11 21:56	1
Lead	14		3.0	1.3	ug/L		12/19/11 11:26	12/22/11 21:56	1

Client Sample ID: WG-18036-121611-003

Lab Sample ID: 180-6897-3

Date Collected: 12/16/11 11:10

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			12/21/11 16:04	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/21/11 16:04	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/21/11 16:04	1

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Client Sample ID: WG-18036-121611-003

Lab Sample ID: 180-6897-3

Date Collected: 12/16/11 11:10

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/21/11 16:04	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/21/11 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 123					12/21/11 16:04	1
Toluene-d8 (Surr)	84		80 - 120					12/21/11 16:04	1
4-Bromofluorobenzene (Surr)	103		75 - 120					12/21/11 16:04	1
Dibromofluoromethane (Surr)	107		80 - 120					12/21/11 16:04	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.20	J	5.0	0.13	ug/L		12/19/11 11:26	12/22/11 22:02	1
Lead	3.0	U	3.0	1.3	ug/L		12/19/11 11:26	12/22/11 22:02	1

Client Sample ID: WG-18036-121611-004

Lab Sample ID: 180-6897-4

Date Collected: 12/16/11 11:25

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			12/21/11 16:30	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/21/11 16:30	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/21/11 16:30	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/21/11 16:30	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/21/11 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 123					12/21/11 16:30	1
Toluene-d8 (Surr)	86		80 - 120					12/21/11 16:30	1
4-Bromofluorobenzene (Surr)	102		75 - 120					12/21/11 16:30	1
Dibromofluoromethane (Surr)	103		80 - 120					12/21/11 16:30	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.70	J	5.0	0.13	ug/L		12/19/11 11:26	12/22/11 22:08	1
Lead	1.8	J	3.0	1.3	ug/L		12/19/11 11:26	12/22/11 22:08	1

Client Sample ID: WG-18036-121611-005

Lab Sample ID: 180-6897-5

Date Collected: 12/16/11 12:05

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			12/27/11 15:01	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/11 15:01	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/11 15:01	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/11 15:01	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/11 15:01	1

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Client Sample ID: WG-18036-121611-005

Lab Sample ID: 180-6897-5

Date Collected: 12/16/11 12:05

Matrix: Water

Date Received: 12/17/11 09:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		62 - 123		12/27/11 15:01	1
Toluene-d8 (Surr)	110		80 - 120		12/27/11 15:01	1
4-Bromofluorobenzene (Surr)	105		75 - 120		12/27/11 15:01	1
Dibromofluoromethane (Surr)	103		80 - 120		12/27/11 15:01	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		12/19/11 11:26	12/22/11 22:14	1
Lead	3.1		3.0	1.3	ug/L		12/19/11 11:26	12/22/11 22:14	1

Client Sample ID: WG-18036-121611-006

Lab Sample ID: 180-6897-6

Date Collected: 12/16/11 12:25

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	13	U	13	2.1	ug/L			12/27/11 13:25	2.5
Vinyl chloride	19		13	3.2	ug/L			12/27/11 13:25	2.5
cis-1,2-Dichloroethene	230		13	1.7	ug/L			12/27/11 13:25	2.5
1,1,1-Trichloroethane	13	U	13	2.6	ug/L			12/27/11 13:25	2.5
Trichloroethene	280		13	2.0	ug/L			12/27/11 13:25	2.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		62 - 123		12/27/11 13:25	2.5
Toluene-d8 (Surr)	107		80 - 120		12/27/11 13:25	2.5
4-Bromofluorobenzene (Surr)	103		75 - 120		12/27/11 13:25	2.5
Dibromofluoromethane (Surr)	106		80 - 120		12/27/11 13:25	2.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		12/19/11 11:26	12/22/11 22:20	1
Lead	3.0	U	3.0	1.3	ug/L		12/19/11 11:26	12/22/11 22:20	1

Client Sample ID: WG-18036-121611-007

Lab Sample ID: 180-6897-7

Date Collected: 12/16/11 10:00

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			12/27/11 13:49	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/11 13:49	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/11 13:49	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/11 13:49	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/11 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		62 - 123		12/27/11 13:49	1
Toluene-d8 (Surr)	107		80 - 120		12/27/11 13:49	1
4-Bromofluorobenzene (Surr)	103		75 - 120		12/27/11 13:49	1
Dibromofluoromethane (Surr)	108		80 - 120		12/27/11 13:49	1

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Client Sample ID: WG-18036-121611-007

Lab Sample ID: 180-6897-7

Date Collected: 12/16/11 10:00

Matrix: Water

Date Received: 12/17/11 09:15

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.22	J	5.0	0.13	ug/L		12/19/11 11:26	12/22/11 22:26	1
Lead	6.3		3.0	1.3	ug/L		12/19/11 11:26	12/22/11 22:26	1

Client Sample ID: WG-18036-121611-008

Lab Sample ID: 180-6897-8

Date Collected: 12/16/11 11:10

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			12/23/11 18:06	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/23/11 18:06	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/23/11 18:06	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/23/11 18:06	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/23/11 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		62 - 123					12/23/11 18:06	1
Toluene-d8 (Surr)	111		80 - 120					12/23/11 18:06	1
4-Bromofluorobenzene (Surr)	100		75 - 120					12/23/11 18:06	1
Dibromofluoromethane (Surr)	104		80 - 120					12/23/11 18:06	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.13	J	5.0	0.13	ug/L		12/19/11 11:26	12/22/11 22:32	1
Lead	6.4		3.0	1.3	ug/L		12/19/11 11:26	12/22/11 22:32	1

Client Sample ID: WG-18036-121611-009

Lab Sample ID: 180-6897-9

Date Collected: 12/16/11 11:40

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			12/23/11 17:42	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/23/11 17:42	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/23/11 17:42	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/23/11 17:42	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/23/11 17:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		62 - 123					12/23/11 17:42	1
Toluene-d8 (Surr)	108		80 - 120					12/23/11 17:42	1
4-Bromofluorobenzene (Surr)	101		75 - 120					12/23/11 17:42	1
Dibromofluoromethane (Surr)	104		80 - 120					12/23/11 17:42	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		12/19/11 11:26	12/22/11 22:50	1
Lead	6.0		3.0	1.3	ug/L		12/19/11 11:26	12/22/11 22:50	1

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Client Sample ID: WG-18036-121611-010

Lab Sample ID: 180-6897-10

Date Collected: 12/16/11 13:00

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			12/23/11 17:19	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/23/11 17:19	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/23/11 17:19	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/23/11 17:19	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/23/11 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		62 - 123		12/23/11 17:19	1
Toluene-d8 (Surr)	110		80 - 120		12/23/11 17:19	1
4-Bromofluorobenzene (Surr)	101		75 - 120		12/23/11 17:19	1
Dibromofluoromethane (Surr)	106		80 - 120		12/23/11 17:19	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		12/19/11 11:26	12/22/11 22:56	1
Lead	3.0	U	3.0	1.3	ug/L		12/19/11 11:26	12/22/11 22:56	1

Client Sample ID: WG-18036-121611-011

Lab Sample ID: 180-6897-11

Date Collected: 12/16/11 14:05

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			12/23/11 16:55	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/23/11 16:55	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/23/11 16:55	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/23/11 16:55	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/23/11 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		62 - 123		12/23/11 16:55	1
Toluene-d8 (Surr)	109		80 - 120		12/23/11 16:55	1
4-Bromofluorobenzene (Surr)	103		75 - 120		12/23/11 16:55	1
Dibromofluoromethane (Surr)	106		80 - 120		12/23/11 16:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		12/19/11 11:26	12/22/11 23:02	1
Lead	3.0	U	3.0	1.3	ug/L		12/19/11 11:26	12/22/11 23:02	1

Client Sample ID: TB-18036-121611

Lab Sample ID: 180-6897-12

Date Collected: 12/16/11 00:00

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			12/23/11 16:31	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/23/11 16:31	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/23/11 16:31	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/23/11 16:31	1

Client Sample Results

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Client Sample ID: TB-18036-121611

Lab Sample ID: 180-6897-12

Date Collected: 12/16/11 00:00

Matrix: Water

Date Received: 12/17/11 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/23/11 16:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		62 - 123					12/23/11 16:31	1
Toluene-d8 (Surr)	107		80 - 120					12/23/11 16:31	1
4-Bromofluorobenzene (Surr)	104		75 - 120					12/23/11 16:31	1
Dibromofluoromethane (Surr)	107		80 - 120					12/23/11 16:31	1



QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

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

Lab Sample ID: MB 180-24199/3

Matrix: Water

Analysis Batch: 24199

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			12/21/11 06:20	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/21/11 06:20	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/21/11 06:20	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/21/11 06:20	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/21/11 06:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 123		12/21/11 06:20	1
Toluene-d8 (Surr)	88		80 - 120		12/21/11 06:20	1
4-Bromofluorobenzene (Surr)	98		75 - 120		12/21/11 06:20	1
Dibromofluoromethane (Surr)	102		80 - 120		12/21/11 06:20	1

Lab Sample ID: LCS 180-24199/5

Matrix: Water

Analysis Batch: 24199

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	40.0	37.0		ug/L		93	80 - 124
Vinyl chloride	40.0	40.9		ug/L		102	57 - 128
cis-1,2-Dichloroethene	40.0	42.7		ug/L		107	82 - 116
1,1,1-Trichloroethane	40.0	39.6		ug/L		99	69 - 134
Trichloroethene	40.0	40.4		ug/L		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		62 - 123
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	104		80 - 120

Lab Sample ID: 180-6826-D-7 MS

Matrix: Water

Analysis Batch: 24199

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	5.0	U	40.0	37.3		ug/L		93	80 - 124
Vinyl chloride	5.0	U	40.0	36.9		ug/L		92	57 - 128
cis-1,2-Dichloroethene	5.0	U	40.0	41.4		ug/L		103	82 - 116
1,1,1-Trichloroethane	5.0	U	40.0	41.7		ug/L		104	69 - 134
Trichloroethene	5.0	U	40.0	40.9		ug/L		102	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		62 - 123
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	101		80 - 120

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

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

Lab Sample ID: 180-6826-D-7 MSD

Matrix: Water

Analysis Batch: 24199

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample		Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Toluene	5.0	U	40.0	37.6		ug/L		94	80 - 124	1	20	
Vinyl chloride	5.0	U	40.0	37.1		ug/L		93	57 - 128	1	26	
cis-1,2-Dichloroethene	5.0	U	40.0	42.5		ug/L		106	82 - 116	3	20	
1,1,1-Trichloroethane	5.0	U	40.0	41.5		ug/L		104	69 - 134	1	24	
Trichloroethene	5.0	U	40.0	41.6		ug/L		104	80 - 120	2	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		62 - 123
Toluene-d8 (Surr)	90		80 - 120
4-Bromofluorobenzene (Surr)	98		75 - 120
Dibromofluoromethane (Surr)	100		80 - 120

Lab Sample ID: MB 180-24518/4

Matrix: Water

Analysis Batch: 24518

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Toluene	5.0	U	5.0	0.85	ug/L			12/23/11 09:32	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/23/11 09:32	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/23/11 09:32	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/23/11 09:32	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/23/11 09:32	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	86		62 - 123		12/23/11 09:32	1
Toluene-d8 (Surr)	106		80 - 120		12/23/11 09:32	1
4-Bromofluorobenzene (Surr)	105		75 - 120		12/23/11 09:32	1
Dibromofluoromethane (Surr)	94		80 - 120		12/23/11 09:32	1

Lab Sample ID: LCS 180-24518/6

Matrix: Water

Analysis Batch: 24518

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	RPD
Toluene	40.0	41.8		ug/L		104	80 - 124	
Vinyl chloride	40.0	48.9		ug/L		122	57 - 128	
cis-1,2-Dichloroethene	40.0	43.4		ug/L		108	82 - 116	
1,1,1-Trichloroethane	40.0	45.6		ug/L		114	69 - 134	
Trichloroethene	40.0	40.6		ug/L		101	80 - 120	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	87		62 - 123
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	110		75 - 120
Dibromofluoromethane (Surr)	101		80 - 120

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

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

Lab Sample ID: 180-6809-J-1 MS

Matrix: Water

Analysis Batch: 24518

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				
Toluene	5.0	U	40.0	40.5		ug/L		101	80 - 124
Vinyl chloride	5.0	U	40.0	44.3		ug/L		111	57 - 128
cis-1,2-Dichloroethene	5.0	U	40.0	41.5		ug/L		104	82 - 116
1,1,1-Trichloroethane	5.0	U	40.0	42.1		ug/L		105	69 - 134
Trichloroethene	5.0	U	40.0	39.5		ug/L		99	80 - 120

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	81		62 - 123
Toluene-d8 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	109		75 - 120
Dibromofluoromethane (Surr)	99		80 - 120

Lab Sample ID: 180-6809-J-1 MSD

Matrix: Water

Analysis Batch: 24518

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Toluene	5.0	U	40.0	41.9		ug/L		105	80 - 124	3	20	
Vinyl chloride	5.0	U	40.0	44.1		ug/L		110	57 - 128	0	26	
cis-1,2-Dichloroethene	5.0	U	40.0	40.8		ug/L		102	82 - 116	2	20	
1,1,1-Trichloroethane	5.0	U	40.0	42.1		ug/L		105	69 - 134	0	24	
Trichloroethene	5.0	U	40.0	39.2		ug/L		98	80 - 120	1	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	87		62 - 123
Toluene-d8 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	106		75 - 120
Dibromofluoromethane (Surr)	95		80 - 120

Lab Sample ID: MB 180-24650/4

Matrix: Water

Analysis Batch: 24650

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Toluene	5.0	U	5.0	0.85	ug/L			12/27/11 10:55	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/11 10:55	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/11 10:55	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/11 10:55	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/11 10:55	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	101		62 - 123		12/27/11 10:55	1
Toluene-d8 (Surr)	111		80 - 120		12/27/11 10:55	1
4-Bromofluorobenzene (Surr)	101		75 - 120		12/27/11 10:55	1
Dibromofluoromethane (Surr)	97		80 - 120		12/27/11 10:55	1

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

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

Lab Sample ID: LCS 180-24650/5

Matrix: Water

Analysis Batch: 24650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	40.0	42.8		ug/L		107	80 - 124
Vinyl chloride	40.0	46.2		ug/L		116	57 - 128
cis-1,2-Dichloroethene	40.0	44.5		ug/L		111	82 - 116
1,1,1-Trichloroethane	40.0	48.3		ug/L		121	69 - 134
Trichloroethene	40.0	43.3		ug/L		108	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 123
Toluene-d8 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	103		75 - 120
Dibromofluoromethane (Surr)	102		80 - 120

Lab Sample ID: 180-6897-7 MS

Matrix: Water

Analysis Batch: 24650

Client Sample ID: WG-18036-121611-007

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	5.0	U	40.0	41.9		ug/L		105	80 - 124
Vinyl chloride	5.0	U	40.0	41.1		ug/L		103	57 - 128
cis-1,2-Dichloroethene	5.0	U	40.0	42.3		ug/L		106	82 - 116
1,1,1-Trichloroethane	5.0	U	40.0	43.2		ug/L		108	69 - 134
Trichloroethene	5.0	U	40.0	40.3		ug/L		101	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	78		62 - 123
Toluene-d8 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	96		80 - 120

Lab Sample ID: 180-6897-7 MSD

Matrix: Water

Analysis Batch: 24650

Client Sample ID: WG-18036-121611-007

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	5.0	U	40.0	41.8		ug/L		105	80 - 124	0	20
Vinyl chloride	5.0	U	40.0	43.6		ug/L		109	57 - 128	6	26
cis-1,2-Dichloroethene	5.0	U	40.0	45.3		ug/L		113	82 - 116	7	20
1,1,1-Trichloroethane	5.0	U	40.0	48.1		ug/L		120	69 - 134	11	24
Trichloroethene	5.0	U	40.0	41.8		ug/L		105	80 - 120	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	85		62 - 123
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	101		80 - 120

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 180-23977/1-A
Matrix: Water
Analysis Batch: 24474

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		12/19/11 11:26	12/22/11 20:31	1
Lead	3.0	U	3.0	1.3	ug/L		12/19/11 11:26	12/22/11 20:31	1

Lab Sample ID: LCS 180-23977/2-A
Matrix: Water
Analysis Batch: 24474

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23977

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	49.6		ug/L		99	80 - 120
Lead	500	500		ug/L		100	80 - 120

Lab Sample ID: 180-6851-A-1-B MS
Matrix: Water
Analysis Batch: 24474

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 23977

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	5.0	U	50.0	49.3		ug/L		99	75 - 125
Lead	3.0	U	500	498		ug/L		100	75 - 125

Lab Sample ID: 180-6851-A-1-C MSD
Matrix: Water
Analysis Batch: 24474

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 23977

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Cadmium	5.0	U	50.0	49.7		ug/L		99	75 - 125	1	20
Lead	3.0	U	500	501		ug/L		100	75 - 125	1	20

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

GC/MS VOA

Analysis Batch: 24199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6826-D-7 MS	Matrix Spike	Total/NA	Water	8260B	
180-6826-D-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
180-6897-1	WG-18036-121611-001	Total/NA	Water	8260B	
180-6897-2	WG-18036-121611-002	Total/NA	Water	8260B	
180-6897-3	WG-18036-121611-003	Total/NA	Water	8260B	
180-6897-4	WG-18036-121611-004	Total/NA	Water	8260B	
LCS 180-24199/5	Lab Control Sample	Total/NA	Water	8260B	
MB 180-24199/3	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 24518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6809-J-1 MS	Matrix Spike	Total/NA	Water	8260B	
180-6809-J-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
180-6897-8	WG-18036-121611-008	Total/NA	Water	8260B	
180-6897-9	WG-18036-121611-009	Total/NA	Water	8260B	
180-6897-10	WG-18036-121611-010	Total/NA	Water	8260B	
180-6897-11	WG-18036-121611-011	Total/NA	Water	8260B	
180-6897-12	TB-18036-121611	Total/NA	Water	8260B	
LCS 180-24518/6	Lab Control Sample	Total/NA	Water	8260B	
MB 180-24518/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 24650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6897-5	WG-18036-121611-005	Total/NA	Water	8260B	
180-6897-6	WG-18036-121611-006	Total/NA	Water	8260B	
180-6897-7	WG-18036-121611-007	Total/NA	Water	8260B	
180-6897-7 MS	WG-18036-121611-007	Total/NA	Water	8260B	
180-6897-7 MSD	WG-18036-121611-007	Total/NA	Water	8260B	
LCS 180-24650/5	Lab Control Sample	Total/NA	Water	8260B	
MB 180-24650/4	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 23977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6851-A-1-B MS	Matrix Spike	Total/NA	Water	3010A	
180-6851-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
180-6897-1	WG-18036-121611-001	Total/NA	Water	3010A	
180-6897-2	WG-18036-121611-002	Total/NA	Water	3010A	
180-6897-3	WG-18036-121611-003	Total/NA	Water	3010A	
180-6897-4	WG-18036-121611-004	Total/NA	Water	3010A	
180-6897-5	WG-18036-121611-005	Total/NA	Water	3010A	
180-6897-6	WG-18036-121611-006	Total/NA	Water	3010A	
180-6897-7	WG-18036-121611-007	Total/NA	Water	3010A	
180-6897-8	WG-18036-121611-008	Total/NA	Water	3010A	
180-6897-9	WG-18036-121611-009	Total/NA	Water	3010A	
180-6897-10	WG-18036-121611-010	Total/NA	Water	3010A	
180-6897-11	WG-18036-121611-011	Total/NA	Water	3010A	
LCS 180-23977/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 180-23977/1-A	Method Blank	Total/NA	Water	3010A	

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6897-1

Metals (Continued)

Analysis Batch: 24474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6851-A-1-B MS	Matrix Spike	Total/NA	Water	6010B	23977
180-6851-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	23977
180-6897-1	WG-18036-121611-001	Total/NA	Water	6010B	23977
180-6897-2	WG-18036-121611-002	Total/NA	Water	6010B	23977
180-6897-3	WG-18036-121611-003	Total/NA	Water	6010B	23977
180-6897-4	WG-18036-121611-004	Total/NA	Water	6010B	23977
180-6897-5	WG-18036-121611-005	Total/NA	Water	6010B	23977
180-6897-6	WG-18036-121611-006	Total/NA	Water	6010B	23977
180-6897-7	WG-18036-121611-007	Total/NA	Water	6010B	23977
180-6897-8	WG-18036-121611-008	Total/NA	Water	6010B	23977
180-6897-9	WG-18036-121611-009	Total/NA	Water	6010B	23977
180-6897-10	WG-18036-121611-010	Total/NA	Water	6010B	23977
180-6897-11	WG-18036-121611-011	Total/NA	Water	6010B	23977
LCS 180-23977/2-A	Lab Control Sample	Total/NA	Water	6010B	23977
MB 180-23977/1-A	Method Blank	Total/NA	Water	6010B	23977

00977

01# 3

CHAIN OF CUSTODY RECORD



CONESTOGA-ROVERS & ASSOCIATES
Niagara Falls
Office

SHIPPED TO (Laboratory Name):
Test America
Pittsburgh

REFERENCE NUMBER: 18036-1211
Viacom Semi-Annual
GW Sampling

SAMPLER'S SIGNATURE: *David Tyeon* PRINTED NAME: David Tyeon

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS
12611	1240		WG-18036-121611-001	Water	43	X X X	
	1055		WG-18036-121611-002		43	X X X	
	1110		WG-18036-121611-003		43	X X X	
	1125		WG-18036-121611-004		43	X X X	
	1205		WG-18036-121611-005		43	X X X	
	1225		WG-18036-121611-006		43	X X X	
	1000		WG-18036-121611-007		43	X X X	
	1110		WG-18036-121611-008		43	X X X	
	1140		WG-18036-121611-009		43	X X X	
	1300		WG-18036-121611-010		43	X X X	
	1405		WG-18036-121611-011		43	X X X	
			TR-18036-121611	Lab Water	Z	X X X	

TOTAL NUMBER OF CONTAINERS **46**

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: *David Tyeon* DATE: 12-16-11 TIME: 1645 RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____ RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____ RECEIVED BY: _____ DATE: _____ TIME: _____

METHOD OF SHIPMENT: Fed Ex

WAY BILL No.

White —Fully Executed Copy
Yellow —Receiving Laboratory Copy
Pink —Shipper Copy
Goldenrod —Sampler Copy

SAMPLE TEAM:
L. Robst S. Gardner
D. Tyeon

RECEIVED FOR LABORATORY BY:
R. Roe
DATE: 12-17-11 TIME: 0915

N900A 26272

Temperature readings:

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container pH</u>	<u>Preservative Added (mls)</u>	<u>Lot #</u>
WG-18036-121611-001	180-6897-A-1	Plastic 500ml - with Nitric Acid	2		
WG-18036-121611-001	180-6897-B-1	Voa Vial 40ml - Hydrochloric Acid	P		
WG-18036-121611-001	180-6897-C-1	Voa Vial 40ml - Hydrochloric Acid	↓		
WG-18036-121611-001	180-6897-D-1	Voa Vial 40ml - Hydrochloric Acid			
WG-18036-121611-002	180-6897-A-2	Plastic 500ml - with Nitric Acid	2		
WG-18036-121611-002	180-6897-B-2	Voa Vial 40ml - Hydrochloric Acid	P		
WG-18036-121611-002	180-6897-C-2	Voa Vial 40ml - Hydrochloric Acid	↓		
WG-18036-121611-002	180-6897-D-2	Voa Vial 40ml - Hydrochloric Acid			
WG-18036-121611-003	180-6897-A-3	Plastic 500ml - with Nitric Acid	2		
WG-18036-121611-003	180-6897-B-3	Voa Vial 40ml - Hydrochloric Acid	P		
WG-18036-121611-003	180-6897-C-3	Voa Vial 40ml - Hydrochloric Acid	↓		
WG-18036-121611-003	180-6897-D-3	Voa Vial 40ml - Hydrochloric Acid			
WG-18036-121611-004	180-6897-A-4	Plastic 500ml - with Nitric Acid	2		
WG-18036-121611-004	180-6897-B-4	Voa Vial 40ml - Hydrochloric Acid	P		
WG-18036-121611-004	180-6897-C-4	Voa Vial 40ml - Hydrochloric Acid	↓		
WG-18036-121611-004	180-6897-D-4	Voa Vial 40ml - Hydrochloric Acid			
WG-18036-121611-005	180-6897-A-5	Plastic 500ml - with Nitric Acid	2		
WG-18036-121611-005	180-6897-B-5	Voa Vial 40ml - Hydrochloric Acid	P		
WG-18036-121611-005	180-6897-C-5	Voa Vial 40ml - Hydrochloric Acid	↓		
WG-18036-121611-005	180-6897-D-5	Voa Vial 40ml - Hydrochloric Acid			
WG-18036-121611-006	180-6897-A-6	Plastic 500ml - with Nitric Acid	2		
WG-18036-121611-006	180-6897-B-6	Voa Vial 40ml - Hydrochloric Acid	P		
WG-18036-121611-006	180-6897-C-6	Voa Vial 40ml - Hydrochloric Acid	↓		
WG-18036-121611-006	180-6897-D-6	Voa Vial 40ml - Hydrochloric Acid			
WG-18036-121611-007	180-6897-A-7	Plastic 500ml - with Nitric Acid	2		
WG-18036-121611-007	180-6897-B-7	Voa Vial 40ml - Hydrochloric Acid	P		
WG-18036-121611-007	180-6897-C-7	Voa Vial 40ml - Hydrochloric Acid	↓		
WG-18036-121611-007	180-6897-D-7	Voa Vial 40ml - Hydrochloric Acid			
WG-18036-121611-008	180-6897-A-8	Plastic 500ml - with Nitric Acid	2		
WG-18036-121611-008	180-6897-B-8	Voa Vial 40ml - Hydrochloric Acid	P		
WG-18036-121611-008	180-6897-C-8	Voa Vial 40ml - Hydrochloric Acid	↓		
WG-18036-121611-008	180-6897-D-8	Voa Vial 40ml - Hydrochloric Acid			
WG-18036-121611-009	180-6897-A-9	Plastic 500ml - with Nitric Acid	2		
WG-18036-121611-009	180-6897-B-9	Voa Vial 40ml - Hydrochloric Acid	P		
WG-18036-121611-009	180-6897-C-9	Voa Vial 40ml - Hydrochloric Acid	↓		
WG-18036-121611-009	180-6897-D-9	Voa Vial 40ml - Hydrochloric Acid			



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<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservative</u> <u>Added (mls)</u>	<u>Lot #</u>
WG-18036-121611-010	180-6897-A-10	Plastic 500ml - with Nitric Acid	2		
WG-18036-121611-010	180-6897-B-10	Voa Vial 40ml - Hydrochloric Acid	P		
WG-18036-121611-010	180-6897-C-10	Voa Vial 40ml - Hydrochloric Acid	↓		
WG-18036-121611-010	180-6897-D-10	Voa Vial 40ml - Hydrochloric Acid			
WG-18036-121611-011	180-6897-A-11	Plastic 500ml - with Nitric Acid	2		
WG-18036-121611-011	180-6897-B-11	Voa Vial 40ml - Hydrochloric Acid	P		
WG-18036-121611-011	180-6897-C-11	Voa Vial 40ml - Hydrochloric Acid	↓		
WG-18036-121611-011	180-6897-D-11	Voa Vial 40ml - Hydrochloric Acid	↓		
TB-18036-121611	180-6897-A-12	Voa Vial 40ml - Hydrochloric Acid	↓		
TB-18036-121611	180-6897-B-12	Voa Vial 40ml - Hydrochloric Acid	↓		

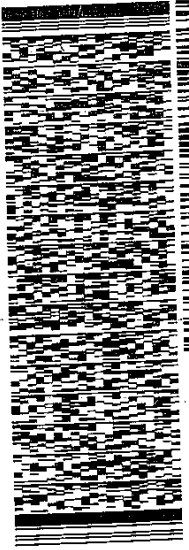
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ORIGIN ID: DKKA (716) 297-2160
 BRITT GEBHARDT
 CRA SERVICES
 2055 NIAGARA FALLS BLVD
 NIAGARA FALLS, NY 14304
 UNITED STATES US

SHIP DATE: 16DEC11
 NetWgt: 41.0 LB MN
 CAD: 684177/CAFE2509
 BILL SENDER

TO SAMPLE CUSTODIAN
 TEST AMERICA
 301 ALPHA DRIVE

PITTSBURGH PA 152381330
 (412) 963-7058
 REF: 018036-1211 GEB (TYRAN)



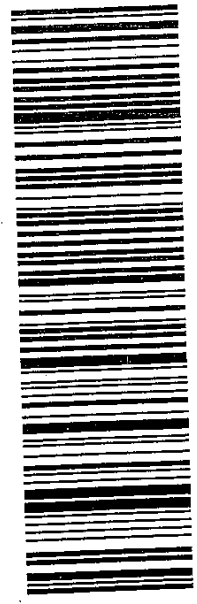
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TRK# 9803 8535 8286
 0201

SATURDAY ### A2
 PRIORITY OVERNIGHT

X0 AGCA

15238
 PA-US PIT



Part # 154254-354 RIT2 06/11 **

58DC1/859F/18BC

ORIGIN ID: DKKA (716) 297-2160
 BRITT GEBHARDT
 CRA SERVICES
 2055 NIAGARA FALLS BLVD
 NIAGARA FALLS, NY 14304
 UNITED STATES US

SHIP DATE: 16DEC11
 NetWgt: 41.0 LB MN
 CAD: 684177/CAFE2509

TO SAMPLE CUSTODIAN
 TEST AMERICA
 301 ALPHA DRIVE

PITTSBURGH, PA 152381330

TRK# 9803 8535 8286

PRIORITY OVERNIGHT



301 ALPHA DRIVE

(US)



515190911111111

(412) 963-7058
 FedEx Express

PLACE THIS LABEL ON PACKAGE
 NEXT TO THE SHIPPING LABEL

Part # 154254-354 RIT2 06/11 **

Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-6897-1

Login Number: 6897

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Stoudnour, Erin F

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?	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

