



CBS Corporation

Environmental Remediation
PNC Center
20 Stanwix Street, 10th Floor
Pittsburgh, PA 15222

January 13, 2014

Mr. 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 Status Report, NYSDEC Site 9-15-066, Cheektowaga, New York

Dear Mr. Locey:

As a Respondent to the Order on Consent and Settlement Agreement (Index No. B9-0381-91-8) entered with the New York State Department of Environmental Conservation (NYSDEC), CBS Corporation (CBS) submits this monthly status report for activities undertaken by CBS in December 2013 at NYSDEC Site No. 9-15-066 in Cheektowaga, New York (the "Site").

1. Site Activities and Status

- A. On December 2, 2013, with the concurrence of the Niagara Frontier Transportation Authority (NFTA), CBS submitted to NYSDEC a revised work plan for closure of the Operable Unit 2 groundwater collection and treatment system (*Work Plan - Revision 1, Closure of Groundwater Collection and Treatment System*).
- B. On December 19, 2013, Conestoga-Rovers & Associates completed the sampling for the semi-annual groundwater monitoring event. Samples were submitted to TestAmerica Laboratories, Inc. in Pittsburgh, Pennsylvania for analysis.
- C. On December 20, 2013, CBS submitted to NYSDEC a monthly report on the status of its activities at the Site in November 2013.

2. Sampling Results and Other Site Data

- A. Table 1 presents the results of quarterly monitoring of well MW-32 located in Area P at the northern portion of the Site, including the most-recent sample collected on December 19, 2013.
- B. Figure 1 shows target volatile organic compound (VOC) concentrations over time at well MW-32. As shown in Figure 1, total target VOC concentrations decreased significantly at well MW-32 following the *in situ* chemical oxidation treatment that was conducted after the source removal specified in the June 1995 Record of Decision (ROD) failed to result in low residual VOC concentrations at this well. Following this initial sharp decline in concentrations and a brief rebound period, the VOC concentrations at this well have been stable with a slight decreasing trend over the past six years of monitoring.
- C. Table 2 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 or metals for which remedial action objectives were established in the December 1995 ROD.
- D. Attachment A provides the analytical laboratory data report for the semi-annual groundwater monitoring. This attachment also includes a key to correlate laboratory sample numbers to well numbers.
- E. Table 3 provides water-level data at groundwater monitoring wells and select manholes from measurements taken as part of the December 2013 monitoring event.
- F. CBS developed no other sampling or Site data during the December 2013 reporting period.

3. Upcoming Activities

- A. CBS will continue preparations to implement the revised work plan for closure of the Operable Unit 2 groundwater collection and treatment system following NYSDEC approval.

4. Operational Problems

- A. Problems associated with the operation and maintenance of the Site groundwater collection and treatment system have been addressed in previously submitted monthly status reports.

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We trust this submittal satisfies your requirements at this time. If you have questions regarding this status report, please contact me.

Respectfully submitted,



Leo M. Brausch
Consultant/Project Engineer

LMB:

cc: Christine D'Aloise, NFTA
Tim Carvana, NFTA
M. G. Graham, Esq.
Kevin P. Lynch, CRA
W. D. Wall, Esq.

TABLES

Table 1
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

Table 1
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
09/09/05	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
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 1
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
03/13/12	230	5 U	5 U	260	13	0.19 J	3 U
06/19/12	210	25 U	25 U	200	11 J	5 U	1.4 J
09/27/12	540	25 U	25 U	430	45	0.13 J	3.0
12/19/12	430	5 U	5 U	530	19	5 U	3.1
03/18/13	200	5 U	5 U	220	15	0.13 J	3 U
06/20/13	180	5 U	5 U	220	9.6	5 U	1.4 J
09/26/13	250	5 U	5 U	210	26	5 U	3.0 J
12/19/13	57	5 U	5 U	40	2.3 J	5 U	10 U
12/19/13 (Dup)	57	5 U	5 U	40	2.3 J	5 U	10 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 2
Summary of Groundwater Monitoring Data
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	2	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
06/19/12	5 U	5 U	5 U	5 U	5 U	5 U	14	
12/19/12	5 U	5 U	5 U	5 U	5 U	5 U	3 U	
06/20/13	5 U	5 U	5 U	5 U	5 U	5 U	3 U	
12/19/13	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U

Table 2
Summary of Groundwater Monitoring Data
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	2	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
	06/19/12	5 U	5 U	5 U	5 U	5 U	5 U	3 U
	12/19/12	5 U	5 U	5 U	5 U	5 U	5 U	3 U
06/20/13	5 U	5 U	5 U	5 U	5 U	5 U	3 U	
12/19/13	5 U	5 U	5 U	5 U	5 U	5 U	10 U	

Table 2
Summary of Groundwater Monitoring Data
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	2	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
06/19/12	5 U	5 U	5 U	5 U	5 U	5 U	6.0	
12/19/12	5 U	5 U	5 U	5 U	5 U	5 U	7.0	
06/20/13	5 U	5 U	5 U	5 U	5 U	0.24 J	6.5	
12/19/13	5 U	5 U	5 U	5 U	5 U	0.14 J	5.6 J	

Table 2
Summary of Groundwater Monitoring Data
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	2	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
06/19/12	5 U	5 U	5 U	5 U	5 U	1.6 J	16	
12/19/12	5 U	5 U	5 U	5 U	5 U	18	78	
06/20/13	5 U	5 U	5 U	5 U	5 U	0.40 J	3 U	
12/19/13	5 U	5 U	5 U	5 U	5 U	0.14 J	10 U	

Table 2
Summary of Groundwater Monitoring Data
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	2	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
	06/19/12	5 U	5 U	5 U	5 U	5 U	5 U	15 U
12/19/12	5 U	5 U	5 U	5 U	5 U	0.13 J	3 U	
06/20/13	5 U	5 U	5 U	5 U	5 U	0.17 J	3 U	
12/19/13	5 U	5 U	5 U	5 U	5 U	0.16 J	10 U	

Table 2
Summary of Groundwater Monitoring Data
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	2	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
06/19/12	5 U	5 U	5 U	5 U	5 U	5 U	2.4	
12/19/12	5 U	5 U	5 U	5 U	5 U	5 U	2.1 J	
06/20/13	5 U	5 U	5 U	5 U	5 U	5 U	3 U	
12/19/13	5 U	5 U	5 U	5 U	5 U	5 U	10 U	

Table 2
Summary of Groundwater Monitoring Data
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	2	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	5 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
	06/19/12	5 U	5 U	5 U	5 U	5 U	5 U	3 U
12/19/12	5 U	5 U	5 U	5 U	5 U	5 U	7.1	
06/20/13	5 U	5 U	5 U	5 U	5 U	5 U	3 U	
12/19/13	5 U	5 U	5 U	5 U	5 U	5 U	10 U	

Table 2
Summary of Groundwater Monitoring Data
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	2	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
06/19/12	5 U	5 U	5 U	5 U	5 U	0.59 J	2.0 J	
12/19/12	5 U	5 U	5 U	5 U	5 U	0.60 J	3 U	
06/20/13	5 U	5 U	5 U	5 U	5 U	0.28 J	3 U	
12/19/13	5 U	5 U	5 U	5 U	5 U	0.19 J	10 U	

Table 2
Summary of Groundwater Monitoring Data
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	2	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
	06/19/12	5 U	5 U	5 U	5 U	5 U	5 U	9.1
	12/19/12	5 U	5 U	5 U	5 U	5 U	5 U	3.9
	12/19/12 (dup)	5 U	5 U	5 U	5 U	5 U	5 U	3.3
	06/20/13	5 U	5 U	5 U	5 U	5 U	0.24 J	3 U
12/19/13	5 U	5 U	5 U	5 U	5 U	0.13 J	10 U	

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.

Table 3
Groundwater Level Measurements, December 19, 2013
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Monitoring Well or Manhole Designation	MP Elevation (ft-msl)	Depth to Water (feet)	Groundwater Elevation (ft-msl)
MW-2	691.59	7.33	684.26
MW-5	685.75	2.81	682.94
MW-28	688.07	5.92	682.15
MW-30	694.65	5.52	689.13
MW-31	688.25	5.66	682.59
MW-32	NA	2.03	NA
MW-33	NA	5.30	NA
MW-34	702.81	3.58	699.23
MW-34D	701.64	5.35	696.29
MW-35	NA	13.67	NA
CSMH-1	701.34	0.69	700.65
CSMH-2	688.97	0.00	688.97
CSMH-3	688.49	4.14	684.35

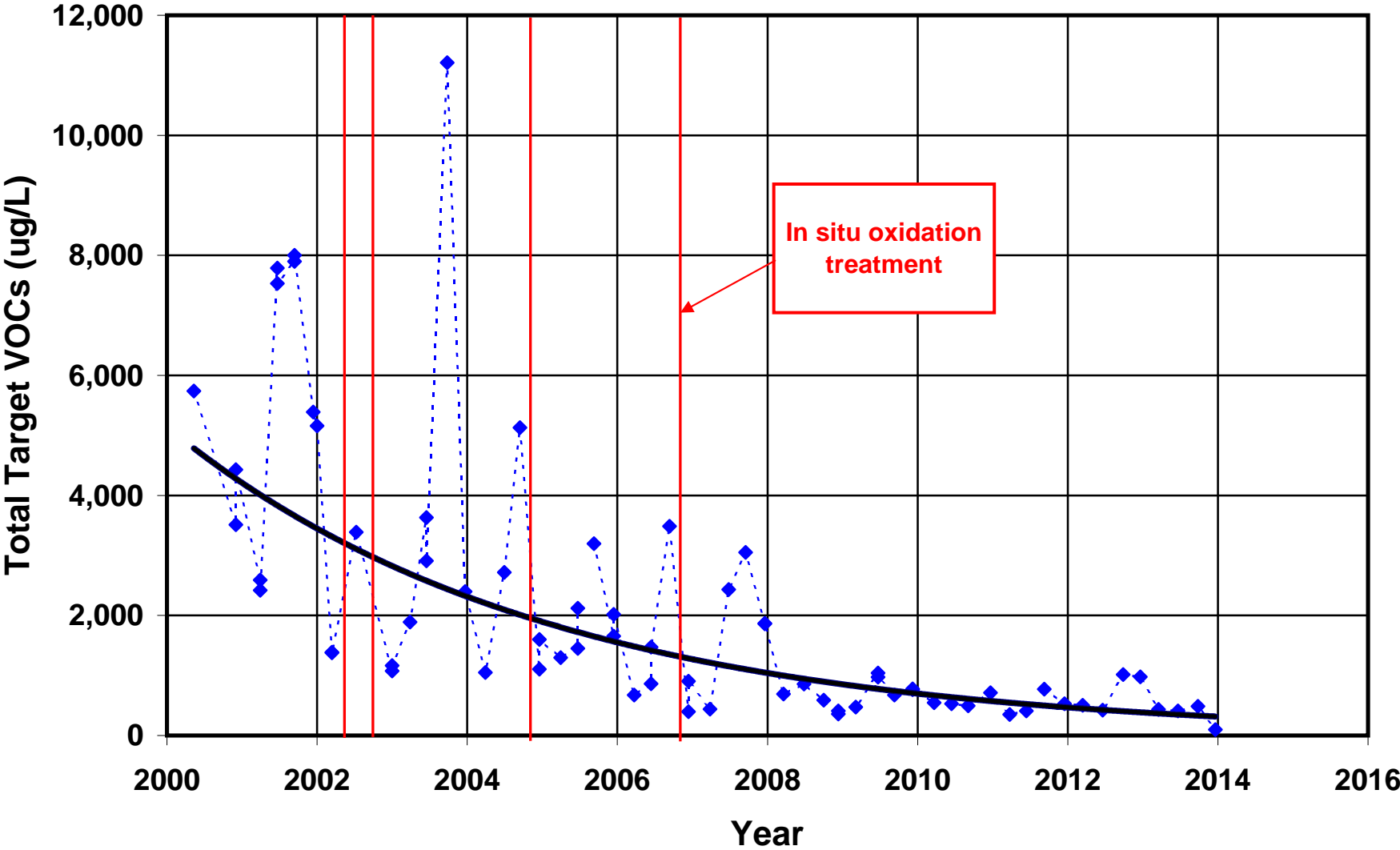
Notes:

"MP" - refers to defined (depth) measuring point at well or manhole.

"NA" - indicates not available.

FIGURE

Figure 1: Total Target VOCs at MW-32



ATTACHMENT A
ANALYTICAL LABORATORY REPORT
DECEMBER 2013 SEMI-ANNUAL GROUNDWATER MONITORING

Well Sampling Key
December 19, 2013
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well No.	Sample No.
MW-34D	WG-18036-12913 -001
MW-34	WG-18036-12913 -002
MW-30	WG-18036-12913 -003
MW-35	WG-18036-12913 -004
MW-33	WG-18036-12913 -005
MW-2	WG-18036-12913 -006
MW-32	WG-18036-12913 -007
MW-28	WG-18036-12913 -008
MW-32 (dup)	WG-18036-12913 -009
MW-31	WG-18036-12913 -010
MW-5	WG-18036-12913 -011
Trip Blank	TB-18036-12913

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: 180-28341-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

12/31/2013 10:49:15 AM

Jill Colussy, Project Manager I

(412)963-2444

jill.colussy@testamericainc.com

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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: 180-28341-1

Job ID: 180-28341-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-28341-1

Receipt

The samples were received on 12/20/2013 @ 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3° C.

GC/MS VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.



Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

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.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
α	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
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-14
California	NELAP	9	4224CA	03-31-14
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-14
Illinois	NELAP	5	002602	06-30-14
Kansas	NELAP	7	E-10350	01-31-14 *
L-A-B	DoD ELAP		L2314	07-16-16
Louisiana	NELAP	6	04041	06-30-14
New Hampshire	NELAP	1	203011	04-05-14
New Jersey	NELAP	2	PA005	06-30-14
New York	NELAP	2	11182	04-01-14
North Carolina DENR	State Program	4	434	12-31-13 *
Pennsylvania	NELAP	3	02-00416	04-30-14
South Carolina	State Program	4	89014	04-30-14
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	04-30-14
Virginia	NELAP	3	460189	09-14-14
West Virginia DEP	State Program	3	142	01-31-14 *
Wisconsin	State Program	5	998027800	08-31-14

* Expired certification is currently pending renewal and is considered valid.

Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-28341-1	WG-18036-12913-001	Water	12/19/13 10:05	12/20/13 10:00
180-28341-2	WG-18036-12913-002	Water	12/19/13 09:55	12/20/13 10:00
180-28341-3	WG-18036-12913-003	Water	12/19/13 11:00	12/20/13 10:00
180-28341-4	WG-18036-12913-004	Water	12/19/13 11:10	12/20/13 10:00
180-28341-5	WG-18036-12913-005	Water	12/19/13 12:10	12/20/13 10:00
180-28341-6	WG-18036-12913-006	Water	12/19/13 12:20	12/20/13 10:00
180-28341-7	WG-18036-12913-007	Water	12/19/13 13:05	12/20/13 10:00
180-28341-8	WG-18036-12913-008	Water	12/19/13 13:15	12/20/13 10:00
180-28341-9	WG-18036-12913-009	Water	12/19/13 13:05	12/20/13 10:00
180-28341-10	WG-18036-12913-010	Water	12/19/13 14:40	12/20/13 10:00
180-28341-11	WG-18036-12913-011	Water	12/19/13 13:50	12/20/13 10:00
180-28341-12	TB-18036-12913	Water	12/19/13 00:00	12/20/13 10:00



Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

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



Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

Client Sample ID: WG-18036-12913-001

Lab Sample ID: 180-28341-1

Date Collected: 12/19/13 10:05

Matrix: Water

Date Received: 12/20/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	93330	12/27/13 02:25	MAZ	TAL PIT
	Instrument ID: HP7									
Total/NA	Prep	3010A			50 mL	50 mL	93368	12/27/13 11:33	CNS	TAL PIT
Total/NA	Analysis	6010B		1	50 mL	50 mL	93406	12/28/13 06:46	RJG	TAL PIT
	Instrument ID: T									

Client Sample ID: WG-18036-12913-002

Lab Sample ID: 180-28341-2

Date Collected: 12/19/13 09:55

Matrix: Water

Date Received: 12/20/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	93330	12/27/13 05:43	MAZ	TAL PIT
	Instrument ID: HP7									
Total/NA	Prep	3010A			50 mL	50 mL	93368	12/27/13 11:33	CNS	TAL PIT
Total/NA	Analysis	6010B		1	50 mL	50 mL	93406	12/28/13 07:07	RJG	TAL PIT
	Instrument ID: T									

Client Sample ID: WG-18036-12913-003

Lab Sample ID: 180-28341-3

Date Collected: 12/19/13 11:00

Matrix: Water

Date Received: 12/20/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	93330	12/27/13 06:09	MAZ	TAL PIT
	Instrument ID: HP7									
Total/NA	Prep	3010A			50 mL	50 mL	93368	12/27/13 11:33	CNS	TAL PIT
Total/NA	Analysis	6010B		1	50 mL	50 mL	93406	12/28/13 07:12	RJG	TAL PIT
	Instrument ID: T									

Client Sample ID: WG-18036-12913-004

Lab Sample ID: 180-28341-4

Date Collected: 12/19/13 11:10

Matrix: Water

Date Received: 12/20/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	93330	12/27/13 06:36	MAZ	TAL PIT
	Instrument ID: HP7									
Total/NA	Prep	3010A			50 mL	50 mL	93368	12/27/13 11:33	CNS	TAL PIT
Total/NA	Analysis	6010B		1	50 mL	50 mL	93406	12/28/13 07:28	RJG	TAL PIT
	Instrument ID: T									

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

Client Sample ID: WG-18036-12913-005

Lab Sample ID: 180-28341-5

Date Collected: 12/19/13 12:10

Matrix: Water

Date Received: 12/20/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	93330	12/27/13 07:03	MAZ	TAL PIT
Instrument ID: HP7										
Total/NA	Prep	3010A			50 mL	50 mL	93368	12/27/13 11:33	CNS	TAL PIT
Total/NA	Analysis	6010B		1	50 mL	50 mL	93406	12/28/13 07:34	RJG	TAL PIT
Instrument ID: T										

Client Sample ID: WG-18036-12913-006

Lab Sample ID: 180-28341-6

Date Collected: 12/19/13 12:20

Matrix: Water

Date Received: 12/20/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	93330	12/27/13 07:30	MAZ	TAL PIT
Instrument ID: HP7										
Total/NA	Prep	3010A			50 mL	50 mL	93368	12/27/13 11:33	CNS	TAL PIT
Total/NA	Analysis	6010B		1	50 mL	50 mL	93406	12/28/13 07:39	RJG	TAL PIT
Instrument ID: T										

Client Sample ID: WG-18036-12913-007

Lab Sample ID: 180-28341-7

Date Collected: 12/19/13 13:05

Matrix: Water

Date Received: 12/20/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	93330	12/27/13 07:56	MAZ	TAL PIT
Instrument ID: HP7										
Total/NA	Prep	3010A			50 mL	50 mL	93368	12/27/13 11:33	CNS	TAL PIT
Total/NA	Analysis	6010B		1	50 mL	50 mL	93406	12/28/13 07:44	RJG	TAL PIT
Instrument ID: T										

Client Sample ID: WG-18036-12913-008

Lab Sample ID: 180-28341-8

Date Collected: 12/19/13 13:15

Matrix: Water

Date Received: 12/20/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	93330	12/27/13 08:23	MAZ	TAL PIT
Instrument ID: HP7										
Total/NA	Prep	3010A			50 mL	50 mL	93368	12/27/13 11:33	CNS	TAL PIT
Total/NA	Analysis	6010B		1	50 mL	50 mL	93406	12/28/13 07:49	RJG	TAL PIT
Instrument ID: T										

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

Client Sample ID: WG-18036-12913-009

Lab Sample ID: 180-28341-9

Date Collected: 12/19/13 13:05

Matrix: Water

Date Received: 12/20/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	93330	12/27/13 08:49	MAZ	TAL PIT
Instrument ID: HP7										
Total/NA	Prep	3010A			50 mL	50 mL	93368	12/27/13 11:33	CNS	TAL PIT
Total/NA	Analysis	6010B		1	50 mL	50 mL	93406	12/28/13 07:55	RJG	TAL PIT
Instrument ID: T										

Client Sample ID: WG-18036-12913-010

Lab Sample ID: 180-28341-10

Date Collected: 12/19/13 14:40

Matrix: Water

Date Received: 12/20/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	93330	12/27/13 09:16	MAZ	TAL PIT
Instrument ID: HP7										
Total/NA	Prep	3010A			50 mL	50 mL	93368	12/27/13 11:33	CNS	TAL PIT
Total/NA	Analysis	6010B		1	50 mL	50 mL	93406	12/28/13 08:00	RJG	TAL PIT
Instrument ID: T										

Client Sample ID: WG-18036-12913-011

Lab Sample ID: 180-28341-11

Date Collected: 12/19/13 13:50

Matrix: Water

Date Received: 12/20/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	93330	12/27/13 09:43	MAZ	TAL PIT
Instrument ID: HP7										
Total/NA	Prep	3010A			50 mL	50 mL	93368	12/27/13 11:33	CNS	TAL PIT
Total/NA	Analysis	6010B		1	50 mL	50 mL	93406	12/28/13 08:05	RJG	TAL PIT
Instrument ID: T										

Client Sample ID: TB-18036-12913

Lab Sample ID: 180-28341-12

Date Collected: 12/19/13 00:00

Matrix: Water

Date Received: 12/20/13 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	93330	12/27/13 02:54	MAZ	TAL PIT
Instrument ID: HP7										

Laboratory References:

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

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

CNS = Caitlin Ferguson

Batch Type: Analysis

MAZ = Mike Zukowski

RJG = Rob Good

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Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

Client Sample ID: WG-18036-12913-001

Lab Sample ID: 180-28341-1

Date Collected: 12/19/13 10:05

Matrix: Water

Date Received: 12/20/13 10:00

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			12/27/13 02:25	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/13 02:25	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/13 02:25	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 02:25	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/13 02:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		62 - 123		12/27/13 02:25	1
Toluene-d8 (Surr)	91		80 - 120		12/27/13 02:25	1
4-Bromofluorobenzene (Surr)	85		75 - 120		12/27/13 02:25	1
Dibromofluoromethane (Surr)	103		80 - 120		12/27/13 02:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.19	J	5.0	0.13	ug/L		12/27/13 11:33	12/28/13 06:46	1
Lead	10	U	10	1.3	ug/L		12/27/13 11:33	12/28/13 06:46	1

Client Sample ID: WG-18036-12913-002

Lab Sample ID: 180-28341-2

Date Collected: 12/19/13 09:55

Matrix: Water

Date Received: 12/20/13 10:00

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			12/27/13 05:43	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/13 05:43	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/13 05:43	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 05:43	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/13 05:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		62 - 123		12/27/13 05:43	1
Toluene-d8 (Surr)	88		80 - 120		12/27/13 05:43	1
4-Bromofluorobenzene (Surr)	83		75 - 120		12/27/13 05:43	1
Dibromofluoromethane (Surr)	103		80 - 120		12/27/13 05:43	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		12/27/13 11:33	12/28/13 07:07	1
Lead	10	U	10	1.3	ug/L		12/27/13 11:33	12/28/13 07:07	1

Client Sample ID: WG-18036-12913-003

Lab Sample ID: 180-28341-3

Date Collected: 12/19/13 11:00

Matrix: Water

Date Received: 12/20/13 10:00

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			12/27/13 06:09	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/13 06:09	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/13 06:09	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 06:09	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/13 06:09	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

Client Sample ID: WG-18036-12913-003

Lab Sample ID: 180-28341-3

Date Collected: 12/19/13 11:00

Matrix: Water

Date Received: 12/20/13 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		62 - 123		12/27/13 06:09	1
Toluene-d8 (Surr)	85		80 - 120		12/27/13 06:09	1
4-Bromofluorobenzene (Surr)	78		75 - 120		12/27/13 06:09	1
Dibromofluoromethane (Surr)	97		80 - 120		12/27/13 06:09	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.14	J	5.0	0.13	ug/L		12/27/13 11:33	12/28/13 07:12	1
Lead	10	U	10	1.3	ug/L		12/27/13 11:33	12/28/13 07:12	1

Client Sample ID: WG-18036-12913-004

Lab Sample ID: 180-28341-4

Date Collected: 12/19/13 11:10

Matrix: Water

Date Received: 12/20/13 10:00

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			12/27/13 06:36	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/13 06:36	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/13 06:36	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 06:36	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/13 06:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		62 - 123		12/27/13 06:36	1
Toluene-d8 (Surr)	87		80 - 120		12/27/13 06:36	1
4-Bromofluorobenzene (Surr)	82		75 - 120		12/27/13 06:36	1
Dibromofluoromethane (Surr)	103		80 - 120		12/27/13 06:36	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		12/27/13 11:33	12/28/13 07:28	1
Lead	10	U	10	1.3	ug/L		12/27/13 11:33	12/28/13 07:28	1

Client Sample ID: WG-18036-12913-005

Lab Sample ID: 180-28341-5

Date Collected: 12/19/13 12:10

Matrix: Water

Date Received: 12/20/13 10:00

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			12/27/13 07:03	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/13 07:03	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/13 07:03	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 07:03	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/13 07:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		62 - 123		12/27/13 07:03	1
Toluene-d8 (Surr)	85		80 - 120		12/27/13 07:03	1
4-Bromofluorobenzene (Surr)	77		75 - 120		12/27/13 07:03	1
Dibromofluoromethane (Surr)	99		80 - 120		12/27/13 07:03	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

Client Sample ID: WG-18036-12913-005

Lab Sample ID: 180-28341-5

Date Collected: 12/19/13 12:10

Matrix: Water

Date Received: 12/20/13 10:00

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		12/27/13 11:33	12/28/13 07:34	1
Lead	10	U	10	1.3	ug/L		12/27/13 11:33	12/28/13 07:34	1

Client Sample ID: WG-18036-12913-006

Lab Sample ID: 180-28341-6

Date Collected: 12/19/13 12:20

Matrix: Water

Date Received: 12/20/13 10:00

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			12/27/13 07:30	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/13 07:30	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/13 07:30	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 07:30	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/13 07:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		62 - 123		12/27/13 07:30	1
Toluene-d8 (Surr)	87		80 - 120		12/27/13 07:30	1
4-Bromofluorobenzene (Surr)	81		75 - 120		12/27/13 07:30	1
Dibromofluoromethane (Surr)	103		80 - 120		12/27/13 07:30	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		12/27/13 11:33	12/28/13 07:39	1
Lead	10	U	10	1.3	ug/L		12/27/13 11:33	12/28/13 07:39	1

Client Sample ID: WG-18036-12913-007

Lab Sample ID: 180-28341-7

Date Collected: 12/19/13 13:05

Matrix: Water

Date Received: 12/20/13 10:00

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			12/27/13 07:56	1
Vinyl chloride	2.3	J	5.0	1.3	ug/L			12/27/13 07:56	1
cis-1,2-Dichloroethene	57		5.0	0.67	ug/L			12/27/13 07:56	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 07:56	1
Trichloroethene	40		5.0	0.80	ug/L			12/27/13 07:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		62 - 123		12/27/13 07:56	1
Toluene-d8 (Surr)	84		80 - 120		12/27/13 07:56	1
4-Bromofluorobenzene (Surr)	77		75 - 120		12/27/13 07:56	1
Dibromofluoromethane (Surr)	93		80 - 120		12/27/13 07:56	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		12/27/13 11:33	12/28/13 07:44	1
Lead	10	U	10	1.3	ug/L		12/27/13 11:33	12/28/13 07:44	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

Client Sample ID: WG-18036-12913-008

Lab Sample ID: 180-28341-8

Date Collected: 12/19/13 13:15

Matrix: Water

Date Received: 12/20/13 10:00

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			12/27/13 08:23	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/13 08:23	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/13 08:23	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 08:23	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/13 08:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		62 - 123		12/27/13 08:23	1
Toluene-d8 (Surr)	85		80 - 120		12/27/13 08:23	1
4-Bromofluorobenzene (Surr)	79		75 - 120		12/27/13 08:23	1
Dibromofluoromethane (Surr)	101		80 - 120		12/27/13 08:23	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.14	J	5.0	0.13	ug/L		12/27/13 11:33	12/28/13 07:49	1
Lead	5.6	J	10	1.3	ug/L		12/27/13 11:33	12/28/13 07:49	1

Client Sample ID: WG-18036-12913-009

Lab Sample ID: 180-28341-9

Date Collected: 12/19/13 13:05

Matrix: Water

Date Received: 12/20/13 10:00

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			12/27/13 08:49	1
Vinyl chloride	2.2	J	5.0	1.3	ug/L			12/27/13 08:49	1
cis-1,2-Dichloroethene	57		5.0	0.67	ug/L			12/27/13 08:49	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 08:49	1
Trichloroethene	40		5.0	0.80	ug/L			12/27/13 08:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		62 - 123		12/27/13 08:49	1
Toluene-d8 (Surr)	86		80 - 120		12/27/13 08:49	1
4-Bromofluorobenzene (Surr)	79		75 - 120		12/27/13 08:49	1
Dibromofluoromethane (Surr)	95		80 - 120		12/27/13 08:49	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		12/27/13 11:33	12/28/13 07:55	1
Lead	10	U	10	1.3	ug/L		12/27/13 11:33	12/28/13 07:55	1

Client Sample ID: WG-18036-12913-010

Lab Sample ID: 180-28341-10

Date Collected: 12/19/13 14:40

Matrix: Water

Date Received: 12/20/13 10:00

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			12/27/13 09:16	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/13 09:16	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/13 09:16	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 09:16	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/13 09:16	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

Client Sample ID: WG-18036-12913-010

Lab Sample ID: 180-28341-10

Date Collected: 12/19/13 14:40

Matrix: Water

Date Received: 12/20/13 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		62 - 123		12/27/13 09:16	1
Toluene-d8 (Surr)	88		80 - 120		12/27/13 09:16	1
4-Bromofluorobenzene (Surr)	84		75 - 120		12/27/13 09:16	1
Dibromofluoromethane (Surr)	106		80 - 120		12/27/13 09:16	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.16	J	5.0	0.13	ug/L		12/27/13 11:33	12/28/13 08:00	1
Lead	10	U	10	1.3	ug/L		12/27/13 11:33	12/28/13 08:00	1

Client Sample ID: WG-18036-12913-011

Lab Sample ID: 180-28341-11

Date Collected: 12/19/13 13:50

Matrix: Water

Date Received: 12/20/13 10:00

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			12/27/13 09:43	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/13 09:43	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/13 09:43	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 09:43	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/13 09:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		62 - 123		12/27/13 09:43	1
Toluene-d8 (Surr)	96		80 - 120		12/27/13 09:43	1
4-Bromofluorobenzene (Surr)	89		75 - 120		12/27/13 09:43	1
Dibromofluoromethane (Surr)	113		80 - 120		12/27/13 09:43	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		12/27/13 11:33	12/28/13 08:05	1
Lead	10	U	10	1.3	ug/L		12/27/13 11:33	12/28/13 08:05	1

Client Sample ID: TB-18036-12913

Lab Sample ID: 180-28341-12

Date Collected: 12/19/13 00:00

Matrix: Water

Date Received: 12/20/13 10:00

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			12/27/13 02:54	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/13 02:54	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/13 02:54	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 02:54	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/13 02:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		62 - 123		12/27/13 02:54	1
Toluene-d8 (Surr)	94		80 - 120		12/27/13 02:54	1
4-Bromofluorobenzene (Surr)	87		75 - 120		12/27/13 02:54	1
Dibromofluoromethane (Surr)	100		80 - 120		12/27/13 02:54	1

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

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

Lab Sample ID: MB 180-93330/3

Matrix: Water

Analysis Batch: 93330

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			12/27/13 01:59	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			12/27/13 01:59	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			12/27/13 01:59	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			12/27/13 01:59	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			12/27/13 01:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	83		62 - 123		12/27/13 01:59	1
Toluene-d8 (Surr)	96		80 - 120		12/27/13 01:59	1
4-Bromofluorobenzene (Surr)	88		75 - 120		12/27/13 01:59	1
Dibromofluoromethane (Surr)	103		80 - 120		12/27/13 01:59	1

Lab Sample ID: LCS 180-93330/7

Matrix: Water

Analysis Batch: 93330

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	33.9		ug/L		85	80 - 124
Vinyl chloride	40.0	40.0		ug/L		100	57 - 128
cis-1,2-Dichloroethene	40.0	40.0		ug/L		100	82 - 116
1,1,1-Trichloroethane	40.0	42.7		ug/L		107	69 - 134
Trichloroethene	40.0	37.4		ug/L		94	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	81		62 - 123
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	89		75 - 120
Dibromofluoromethane (Surr)	99		80 - 120

Lab Sample ID: 180-28341-1 MS

Matrix: Water

Analysis Batch: 93330

Client Sample ID: WG-18036-12913-001

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	33.8		ug/L		84	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	38.4		ug/L		96	82 - 116
1,1,1-Trichloroethane	5.0	U	40.0	40.7		ug/L		102	69 - 134
Trichloroethene	5.0	U	40.0	37.1		ug/L		93	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	82		62 - 123
Toluene-d8 (Surr)	91		80 - 120
4-Bromofluorobenzene (Surr)	87		75 - 120
Dibromofluoromethane (Surr)	95		80 - 120

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

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

Lab Sample ID: 180-28341-1 MSD

Matrix: Water

Analysis Batch: 93330

Client Sample ID: WG-18036-12913-001

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits			
Toluene	5.0	U	40.0	34.7		ug/L		87	80 - 124	3		20
Vinyl chloride	5.0	U	40.0	36.0		ug/L		90	57 - 128	3		26
cis-1,2-Dichloroethene	5.0	U	40.0	39.2		ug/L		98	82 - 116	2		20
1,1,1-Trichloroethane	5.0	U	40.0	39.4		ug/L		99	69 - 134	3		24
Trichloroethene	5.0	U	40.0	37.7		ug/L		94	80 - 120	2		20

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	81		62 - 123
Toluene-d8 (Surr)	93		80 - 120
4-Bromofluorobenzene (Surr)	87		75 - 120
Dibromofluoromethane (Surr)	98		80 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 180-93368/1-A

Matrix: Water

Analysis Batch: 93406

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 93368

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.13	ug/L		12/27/13 11:33	12/28/13 06:25	1
Lead	10	U	10	1.3	ug/L		12/27/13 11:33	12/28/13 06:25	1

Lab Sample ID: LCS 180-93368/2-A

Matrix: Water

Analysis Batch: 93406

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 93368

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
							Added
Cadmium	50.0	49.2		ug/L		98	80 - 120
Lead	500	496		ug/L		99	80 - 120

Lab Sample ID: 180-28341-1 MS

Matrix: Water

Analysis Batch: 93406

Client Sample ID: WG-18036-12913-001

Prep Type: Total/NA

Prep Batch: 93368

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				Limits
Cadmium	0.19	J	50.0	49.6		ug/L		99	75 - 125
Lead	10	U	500	501		ug/L		100	75 - 125

Lab Sample ID: 180-28341-1 MSD

Matrix: Water

Analysis Batch: 93406

Client Sample ID: WG-18036-12913-001

Prep Type: Total/NA

Prep Batch: 93368

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits			
Cadmium	0.19	J	50.0	48.7		ug/L		97	75 - 125	2		20
Lead	10	U	500	495		ug/L		99	75 - 125	1		20

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-28341-1

GC/MS VOA

Analysis Batch: 93330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-28341-1	WG-18036-12913-001	Total/NA	Water	8260B	
180-28341-1 MS	WG-18036-12913-001	Total/NA	Water	8260B	
180-28341-1 MSD	WG-18036-12913-001	Total/NA	Water	8260B	
180-28341-2	WG-18036-12913-002	Total/NA	Water	8260B	
180-28341-3	WG-18036-12913-003	Total/NA	Water	8260B	
180-28341-4	WG-18036-12913-004	Total/NA	Water	8260B	
180-28341-5	WG-18036-12913-005	Total/NA	Water	8260B	
180-28341-6	WG-18036-12913-006	Total/NA	Water	8260B	
180-28341-7	WG-18036-12913-007	Total/NA	Water	8260B	
180-28341-8	WG-18036-12913-008	Total/NA	Water	8260B	
180-28341-9	WG-18036-12913-009	Total/NA	Water	8260B	
180-28341-10	WG-18036-12913-010	Total/NA	Water	8260B	
180-28341-11	WG-18036-12913-011	Total/NA	Water	8260B	
180-28341-12	TB-18036-12913	Total/NA	Water	8260B	
LCS 180-93330/7	Lab Control Sample	Total/NA	Water	8260B	
MB 180-93330/3	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 93368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-28341-1	WG-18036-12913-001	Total/NA	Water	3010A	
180-28341-1 MS	WG-18036-12913-001	Total/NA	Water	3010A	
180-28341-1 MSD	WG-18036-12913-001	Total/NA	Water	3010A	
180-28341-2	WG-18036-12913-002	Total/NA	Water	3010A	
180-28341-3	WG-18036-12913-003	Total/NA	Water	3010A	
180-28341-4	WG-18036-12913-004	Total/NA	Water	3010A	
180-28341-5	WG-18036-12913-005	Total/NA	Water	3010A	
180-28341-6	WG-18036-12913-006	Total/NA	Water	3010A	
180-28341-7	WG-18036-12913-007	Total/NA	Water	3010A	
180-28341-8	WG-18036-12913-008	Total/NA	Water	3010A	
180-28341-9	WG-18036-12913-009	Total/NA	Water	3010A	
180-28341-10	WG-18036-12913-010	Total/NA	Water	3010A	
180-28341-11	WG-18036-12913-011	Total/NA	Water	3010A	
LCS 180-93368/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 180-93368/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 93406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-28341-1	WG-18036-12913-001	Total/NA	Water	6010B	93368
180-28341-1 MS	WG-18036-12913-001	Total/NA	Water	6010B	93368
180-28341-1 MSD	WG-18036-12913-001	Total/NA	Water	6010B	93368
180-28341-2	WG-18036-12913-002	Total/NA	Water	6010B	93368
180-28341-3	WG-18036-12913-003	Total/NA	Water	6010B	93368
180-28341-4	WG-18036-12913-004	Total/NA	Water	6010B	93368
180-28341-5	WG-18036-12913-005	Total/NA	Water	6010B	93368
180-28341-6	WG-18036-12913-006	Total/NA	Water	6010B	93368
180-28341-7	WG-18036-12913-007	Total/NA	Water	6010B	93368
180-28341-8	WG-18036-12913-008	Total/NA	Water	6010B	93368
180-28341-9	WG-18036-12913-009	Total/NA	Water	6010B	93368

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

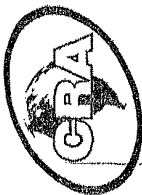
TestAmerica Job ID: 180-28341-1

Metals (Continued)

Analysis Batch: 93406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-28341-10	WG-18036-12913-010	Total/NA	Water	6010B	93368
180-28341-11	WG-18036-12913-011	Total/NA	Water	6010B	93368
LCS 180-93368/2-A	Lab Control Sample	Total/NA	Water	6010B	93368
MB 180-93368/1-A	Method Blank	Total/NA	Water	6010B	93368

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13



CONESTOGA-ROVERS & ASSOCIATES

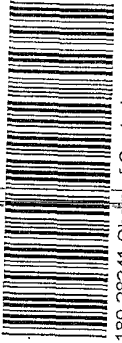
CHAIN OF CUSTODY RECORD

Address: 2055 Niagara Falls Blvd NE 14304
 Phone: 716 297 6150 Fax: _____

COC NO.: 40948 PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No./Phase/Task Code: <u>18036-1321</u>		Laboratory Name: <u>Test America</u>		Lab Location: <u>Pittsburgh</u>		SSOW ID:									
Project Name: <u>Viacom (Buffalo Airport)</u>		Lab Contact: <u>Jill Colussy</u>		Lab Quote No.:		Cooler No.:									
Project Location: <u>Genese Street</u>		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)		Carrier:									
Chemistry Contact:		SAMPLE TYPE		PRESERVATION		Airbill No.:									
Sampler(s): <u>S. Gardner D. Tyren</u>		Matrix Code		Unpreserved		Date Shipped: <u>12.19.13</u>									
Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yyyy)	TIME (hh:mm)	Grab (g) or Comp (C) (see back of COC)	Hydrochloric Acid (HCl)	Nitric Acid (HNO ₃)	Sulfuric Acid (H ₂ SO ₄)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil)	VOC	EnCores 3x5-g, 1x28-g	Other:	Total Containers/Sample	MS/MSD Request	COMMENTS/SPECIAL INSTRUCTIONS:
1	WG-18036-121913-001	12-19-13	1005	WG G	X	X							4		
2	WG-18036-121913-002	12-19-13	0955	WG G	X	X							4		
3	WG-18036-121913-003	12-19-13	1100	WG G	X	X							4		
4	WG-18036-121913-004	12-19-13	1110	WG G	X	X							4		
5	WG-18036-121913-005	12-19-13	1210	WG G	X	X							4		
6	WG-18036-121913-006	12-19-13	1220	WG G	X	X							4		
7	WG-18036-121913-007	12-19-13	1305	WG G	X	X							4		
8	WG-18036-121913-008	12-19-13	1315	WG G	X	X							4		
9	WG-18036-121913-009	12-19-13	1305	WG G	X	X							4		
10	WG-18036-121913-010	12-19-13	1440	WG G	X	X							4		
11	WG-18036-121913-011	12-19-13	1350	WG G	X	X							4		
12	TB-18036-121913	12-19-13		TB G	X								2		
13															
14															
15															



180-28341 Chain of Custody

EST

Notes/ Special Requirements:

Total Number of Containers: 46

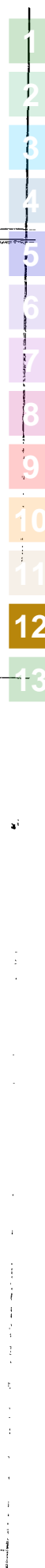
All Samples in Cooler must be on COC

RELINQUISHED BY	DATE	COMPANY	RECEIVED BY	DATE	COMPANY	TIME
<u>Dad Tyren</u>	<u>12-19-13</u>	<u>CRA</u>	<u>[Signature]</u>	<u>12/20/13</u>	<u>TAGH</u>	<u>1000</u>

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE - Fully Executed Copy (CRA) YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sampling Crew

CRA Form: COC-105 (20110804)



Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-28341-1

Login Number: 28341

List Number: 1

Creator: Kovitch, Christina M

List Source: TestAmerica Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	