



**CBS Corporation**

Environmental Remediation  
PNC Center  
20 Stanwix Street, 10<sup>th</sup> Floor  
Pittsburgh, PA 15222

*Via Electronic and First-Class Mail*

July 18, 2012

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 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 covers activities in June 2012 and transmits the discharge monitoring report for this reporting period.

**1. Site Activities and Status**

- A. On June 8, 2012, CBS submitted to NYSDEC the monthly report on the status of O&M activities at the Site for the May 2012 operating period. That status report also transmitted the discharge monitoring data for May 2012.
- B. The recovery and treatment system operated throughout June 2012.
- C. Conestoga-Rovers & Associates (CRA) conducted routine and non-routine O&M on behalf of CBS, and TestAmerica Laboratories, Inc. (TestAmerica) provided required analytical laboratory services.

- D. On June 19, 2012, CRA conducted sampling for the semi-annual groundwater monitoring.

## 2. Sampling Results and Other Site Data

- A. In June 2012, the groundwater system recovered and treated an estimated 93,000 gallons.<sup>1</sup>
- B. Attachment A provides the discharge monitoring report for June 2012 based on the effluent sample collected on June 12, 2012. Attachment B includes the analytical laboratory report for this effluent sample.
- C. In reviewing the treatment system effluent monitoring information, please note the following:
- The flow data are provided via periodic on-site readings. The monthly total and maximum daily flows are calculated from these data.
  - The pH data are provided via periodic on-site readings. 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 (interpolated) 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 June 2012 reporting period, the effluent sampling results complied with all discharge limitations.
- E. Table 1 presents the results of influent sampling, including the data from the most-recent influent sample collected on June 12, 2012. No flow was observed from Sump 001 at the time of sampling, and 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 quarterly monitoring of well MW-32 located in Area P at the northern portion of the Site, including the most-recent sample collected on June 19, 2012. Attachment C includes the analytical laboratory report for this monitoring well sample.
- 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

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<sup>1</sup> Based on additional information and recalculation, the estimated total discharge for May 2012 has been revised to 96,000 gallons from the 94,000 gallons indicated in the June 2012 monthly status report.

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 failed to result in low residual VOC concentrations at this well. Following this decrease, and a brief rebound period, the VOC concentrations at this well have been relatively stable over the past 18 quarters of monitoring.

- 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 provide its evaluation to NYSDEC regarding the overall status of Site remediation and the utility of continuing to collect and treat Site waters.<sup>2</sup> CBS also plans to provide NYSDEC with its work plan and schedule for shutdown and closure of the recovery and treatment system. In the meantime, CBS will continue Site O&M activities.

### **4. Operational Problems**

- A. Operational problems will be addressed, to the extent applicable, in CBS' evaluation of the overall status of Site remediation and the utility of continuing to collect and treat Site waters.
- B. CBS' work plan for shutdown and closure of the recovery and treatment system will include a review of potential operational problems related to the shutdown and closure.

\* \* \* \*

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

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<sup>2</sup> This evaluation was forwarded to NYSDEC via letter dated July 13, 2012.

Mr. David P. Locey  
July 18, 2012  
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Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Leo M. Brausch', with a large, sweeping flourish extending to the left.

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

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

**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)	<b>13</b>	<b>0.29 J</b>	<b>0.56 J</b>	<b>93</b>	<b>2.2</b>	5.0 U	<b>1.8 J</b>
06/30/10	Composite (002 & 003)	<b>24</b>	3.3 U	3.3 U	<b>310</b>	<b>1.2 J</b>	5.0 U	5.0 U
09/28/10	Composite (002 & 003)	<b>18</b>	2.0 U	2.0 U	<b>140</b>	<b>0.77 J</b>	5.0 U	5.0 U
01/19/11	Composite (002 & 003)	<b>79</b>	5.0 U	5.0 U	<b>340</b>	<b>6.3</b>	5.0 U	3.0 U
03/30/11	Composite (002 & 003)	<b>76</b>	5.0 U	5.0 U	<b>180</b>	<b>3.7 J</b>	5.0 U	15 U
06/09/11	Composite (002 & 003)	<b>37</b>	13 U	13 U	<b>230</b>	13 U	5.0 U	3.0 U
09/15/11	Composite (002 & 003)	<b>160</b>	<b>110</b>	13 U	<b>460</b>	<b>13 J</b>	5.0 U	3.0 U
12/12/11	Composite (002 & 003)	<b>56</b>	10 U	10 U	<b>200</b>	10 U	5.0 U	<b>1.3 J</b>
03/14/12	Composite (002 & 003)	<b>15</b>	10 U	10 U	<b>120</b>	10 U	5.0 U	3.0 U
06/12/12	Composite (002 & 003)	<b>20</b>	10 U	10 U	<b>170</b>	10 U	<b>2.0 J</b>	3.0 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 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	<b>330</b>	10 U	10 U	<b>410</b>	<b>32</b>	5 U	3 U
12/16/11	<b>230</b>	13 U	13 U	<b>280</b>	<b>19</b>	5 U	3 U
03/13/12	<b>230</b>	5 U	5 U	<b>260</b>	<b>13</b>	<b>0.19 J</b>	3 U
06/19/12	<b>210</b>	25 U	25 U	<b>200</b>	<b>11 J</b>	5 U	<b>1.4 J</b>

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
<b>Remedial Action Objective</b>		5	5	5	5	5	5	25
MW-2	05/04/00	5 U	5 U	5 U	5 U	<b>1.6 J</b>	<b>1.3</b>	<b>3.0 J</b>
	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	<b>2.0 J</b>
	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	<b>4.1</b>
	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	<b>2.4 J</b>
	12/12/06	10 U	10 U	10 U	10 U	10 U	5 U	<b>4.3</b>
	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	<b>5.6</b>
	12/11/08	10 U	10 U	10 U	10 U	10 U	5 U	<b>3.2</b>
	06/22/09	10 U	10 U	10 U	10 U	10 U	5 U	<b>1.7 J</b>
	12/07/09	10 U	10 U	10 U	10 U	10 U	5 U	<b>1.5 J</b>
	06/14/10	10 U	10 U	10 U	10 U	10 U	5 U	<b>4.7</b>
	12/21/10	10 U	10 U	10 U	10 U	10 U	5 U	<b>3.2</b>
	06/14/11	5 U	5 U	5 U	5 U	5 U	5 U	<b>2.0 J</b>
	12/16/11	5 U	5 U	5 U	5 U	5 U	<b>0.22 J</b>	<b>6.3</b>
	06/19/12	5 U	5 U	5 U	5 U	5 U	5 U	<b>14</b>

**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
<b>Remedial Action Objective</b>		5	5	5	5	5	5	25
MW-5	05/11/00	5 U	5 U	5 U	<b>5.0</b>	5 U	1 U	<b>18</b>
	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	<b>7.1 J</b>	10 U	<b>1.1</b>	<b>14</b>
	06/21/01	10 U	10 U	10 U	<b>4.1 J</b>	10 U	5 U	3 U
	09/13/01	10 U	10 U	10 U	<b>1.5 J</b>	10 U	<b>1.2</b>	<b>15</b>
	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	<b>0.29 J</b>	3 U
	12/31/02	10 U	NA	10 U	10 U	10 U	<b>0.57 J</b>	<b>5.0</b>
	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	<b>6.1</b>
	06/30/04	10 U	10 U	10 U	10 U	10 U	<b>1.0 J</b>	<b>45</b>
	12/17/04	10 U	10 U	10 U	10 U	10 U	<b>0.43 J</b>	<b>17</b>
	06/22/05	10 U	10 U	10 U	<b>1.1 J</b>	10 U	<b>0.23 J</b>	<b>35</b>
	12/14/05	10 U	10 U	10 U	10 U	10 U	5 U	<b>9.4</b>
	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	<b>1.8 J</b>
	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	<b>0.9 J</b>	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

**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
<b>Remedial Action Objective</b>		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	
06/19/12	5 U	5 U	5 U	5 U	5 U	5 U	6 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
<b>Remedial Action Objective</b>		5	5	5	5	5	5	25
MW-30	05/04/00	5 U	5 U	5 U	5 U	5 U	<b>3.0</b>	<b>12</b>
	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	<b>0.60 J</b>	<b>2.7 J</b>
	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	<b>0.59 J</b>	<b>3.7</b>
	12/31/02	10 U	10 U	10 U	10 U	10 U	<b>1.6 J</b>	<b>9.4</b>
	06/18/03	10 U	10 U	10 U	10 U	10 U	<b>0.47 J</b>	<b>4.3</b>
	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	<b>2.8 J</b>
	06/22/05	10 U	10 U	10 U	10 U	10 U	<b>2.4 J</b>	<b>28</b>
	12/14/05	10 U	10 U	10 U	10 U	10 U	<b>0.90 J</b>	<b>5.9</b>
	06/13/06	10 U	10 U	10 U	10 U	10 U	<b>1.9 J</b>	<b>15</b>
	12/12/06	10 U	10 U	10 U	10 U	10 U	<b>0.91 J</b>	<b>12</b>
	06/26/07	10 U	10 U	10 U	10 U	10 U	<b>1.7 J</b>	<b>18</b>
	12/19/07	10 U	10 U	10 U	10 U	10 U	<b>0.65 J</b>	<b>15</b>
	06/26/08	10 U	10 U	10 U	10 U	10 U	<b>1.4 J</b>	<b>15</b>
	12/11/08	10 U	10 U	<b>1.1 J</b>	10 U	10 U	<b>0.55 J</b>	<b>12</b>
06/22/09	10 U	10 U	10 U	10 U	10 U	<b>2.6 J</b>	<b>30</b>	
09/10/09	10 U	10 U	10 U	10 U	10 U	<b>0.63 J</b>	<b>10</b>	
12/07/09	10 U	10 U	10 U	10 U	10 U	<b>1.4 J</b>	<b>14</b>	
06/14/10	10 U	10 U	10 U	10 U	10 U	<b>3.0 J</b>	<b>37</b>	
12/21/10	10 U	10 U	10 U	10 U	10 U	<b>1.3 J</b>	<b>13</b>	
06/14/11	5 U	5 U	5 U	5 U	5 U	<b>2.0 J</b>	<b>21</b>	
12/16/11	5 U	5 U	5 U	5 U	5 U	<b>1.7 J</b>	<b>14</b>	
06/19/12	5 U	5 U	5 U	5 U	5 U	<b>1.6 J</b>	<b>16</b>	

**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
<b>Remedial Action Objective</b>		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	<b>0.27 J</b>	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	<b>0.55 J</b>	<b>3.4</b>
	12/31/02	10 U	NA	10 U	10 U	10 U	5 U	<b>2.9 J</b>
	06/17/03	10 U	10 U	10 U	10 U	10 U	5 U	<b>8.1</b>
	12/22/03	10 U	10 U	10 U	10 U	10 U	5 U	<b>13</b>
	06/30/04	10 U	10 U	10 U	10 U	10 U	<b>0.38 J</b>	<b>11</b>
	12/17/04	10 U	10 U	10 U	10 U	10 U	5 U	<b>2.0 J</b>
	06/22/05	10 U	10 U	10 U	10 U	10 U	<b>1.1 J</b>	<b>38.2</b>
	12/15/05	10 U	10 U	10 U	10 U	10 U	<b>0.58 J</b>	<b>3.9</b>
	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	<b>2.4 J</b>
	06/26/07	10 U	10 U	10 U	10 U	10 U	<b>1.1 J</b>	<b>23.1</b>
	12/19/07	10 U	10 U	10 U	10 U	10 U	<b>6.2</b>	<b>116</b>
	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	<b>2.3 J</b>	
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	



**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
<b>Remedial Action Objective</b>		5	5	5	5	5	5	25
MW-33	05/11/00	NA	5 U	<b>1.3 J</b>	5 U	5 U	<b>1.3</b>	3 U
	12/01/00	NA	5 U	<b>35</b>	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	<b>1.2 J</b>	<b>15</b>
	06/15/04	10 U	10 U	10 U	10 U	10 U	5 U	<b>7.4</b>
	12/17/04	10 U	10 U	10 U	10 U	10 U	5 U	<b>2.5 J</b>
	06/22/05	10 U	10 U	10 U	10 U	10 U	5 U	<b>1.9 J</b>
	12/14/05	<b>23</b>	10 U	10 U	<b>16</b>	<b>1.5 J</b>	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	<b>2.7 J</b>
	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	<b>2.6 J</b>
	06/26/08	10 U	10 U	10 U	10 U	10 U	5 U	<b>2.3 J</b>
	12/11/08	10 U	10 U	10 U	10 U	10 U	5 U	<b>3.2</b>
06/22/09	10 U	10 U	10 U	10 U	10 U	5 U	<b>4.5</b>	
12/07/09	10 U	10 U	10 U	10 U	10 U	5 U	<b>2.3 J</b>	
06/14/10	10 U	10 U	10 U	10 U	10 U	5 U	<b>3.2</b>	
12/21/10	10 U	10 U	10 U	10 U	10 U	5 U	<b>3.9</b>	
06/14/11	5 U	5 U	5 U	5 U	5 U	5 U	<b>5.5</b>	
12/16/11	5 U	5 U	5 U	5 U	5 U	5 U	<b>3.1</b>	
06/19/12	5 U	5 U	5 U	5 U	5 U	5 U	<b>2.4</b>	

**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
<b>Remedial Action Objective</b>		5	5	5	5	5	5	25
MW-34	05/06/00	5 U	5 U	10 U	5 U	5 U	<b>1.2</b>	<b>3.8 J</b>
	11/30/00	5 U	5 U	35 U	5 U	5 U	<b>2.1</b>	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	<b>2.8 J</b>
	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	<b>2.3 J</b>
	06/15/04	10 U	10 U	10 U	10 U	10 U	<b>0.29 J</b>	<b>4.1</b>
	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	<b>5.4</b>
	12/14/05	10 U	10 U	10 U	10 U	10 U	<b>0.41 J</b>	<b>6.5</b>
	06/13/06	10 U	10 U	10 U	10 U	10 U	5 U	<b>2.7 J</b>
	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	<b>4.3</b>
	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	<b>3.2</b>
	06/22/09	10 U	10 U	10 U	10 U	10 U	5 U	<b>1.9 J</b>
09/10/09	10 U	10 U	10 U	10 U	10 U	5 U	<b>3.1</b>	
12/07/09	10 U	10 U	10 U	10 U	10 U	5 U	<b>1.4 J</b>	
06/14/10	10 U	10 U	10 U	10 U	10 U	5 U	<b>3.2</b>	
12/21/10	10 U	10 U	10 U	10 U	10 U	5 U	<b>0.96 J</b>	
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	<b>0.20 J</b>	3 U	
06/19/12	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
<b>Remedial Action Objective</b>		5	5	5	5	5	5	25
MW-34D	05/06/00	5 U	5 U	5 U	5 U	5 U	<b>1.2</b>	<b>3.1 J</b>
	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	<b>2.2 J</b>	10 U	<b>1.1 J</b>	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	<b>2.3 J</b>
	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	<b>13</b>
	06/15/04	10 U	10 U	10 U	10 U	10 U	5 U	<b>3.9</b>
	01/05/05	10 U	10 U	10 U	10 U	10 U	5 U	<b>1.7 J</b>
	06/22/05	10 U	10 U	10 U	10 U	10 U	5 U	<b>9.8</b>
	12/14/05	10 U	10 U	10 U	10 U	10 U	5 U	<b>2.6 J</b>
	06/13/06	10 U	10 U	10 U	10 U	10 U	<b>1.7 J</b>	3 U
	12/12/06	10 U	10 U	10 U	10 U	10 U	5 U	<b>7.0</b>
	06/26/07	10 U	10 U	10 U	10 U	10 U	<b>0.47 J</b>	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	<b>0.31 J</b>	<b>2.4 J</b>
	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	<b>0.23 J</b>	<b>2.4 J</b>
	06/22/09	10 U	10 U	10 U	10 U	10 U	<b>0.37 J</b>	3 U
09/10/09	10 U	10 U	10 U	10 U	10 U	<b>0.16 J</b>	3 U	
12/07/09	10 U	10 U	10 U	10 U	10 U	<b>0.38 J</b>	3 U	
06/14/10	10 U	10 U	10 U	10 U	10 U	<b>0.53 J</b>	3 U	
12/21/10	10 U	10 U	10 U	10 U	10 U	<b>0.57 J</b>	<b>1.3 J</b>	
06/14/11	5 U	5 U	5 U	5 U	5 U	<b>0.26 J</b>	3 U	
12/16/11	5 U	5 U	5 U	5 U	5 U	<b>0.70 J</b>	<b>1.8 J</b>	
06/19/12	5 U	5 U	5 U	5 U	5 U	<b>0.59 J</b>	<b>2.0 J</b>	

**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
<b>Remedial Action Objective</b>		5	5	5	5	5	5	25
MW-35	09/10/09	10 U	10 U	10 U	10 U	10 U	5 U	<b>2.1 J</b>
	12/07/09	10 U	10 U	10 U	10 U	10 U	5 U	<b>2.0 J</b>
	06/14/10	10 U	10 U	10 U	10 U	10 U	5 U	<b>8.2</b>
	12/21/10	10 U	10 U	10 U	10 U	10 U	5 U	<b>14</b>
	06/14/11	5 U	5 U	5 U	5 U	5 U	5 U	<b>4.6</b>
	12/16/11	5 U	5 U	5 U	5 U	5 U	5 U	<b>1.4 J</b>
	06/19/12	5 U	5 U	5 U	5 U	5 U	5 U	<b>9.1</b>

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.

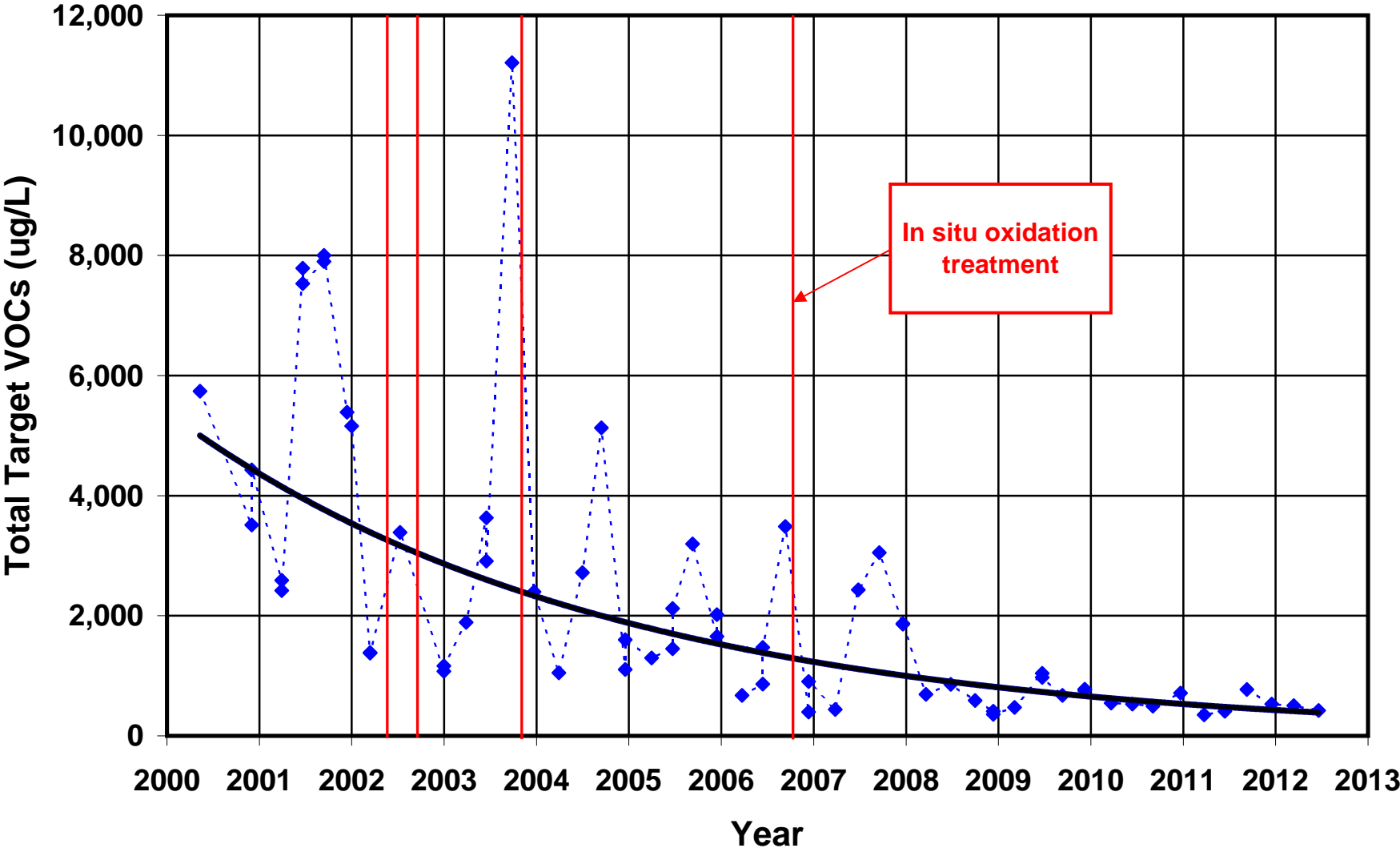
Data qualifiers:

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**  
**JUNE 2012**

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

Reporting Month & Year **Jun-12**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		<b>3,488</b>	<b>gpd</b>		<b>Continuous</b>	<b>Meter</b>
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	<b>7.05</b>	<b>7.29</b>	<b>s.u.</b>		<b>6</b>	<b>Grab</b>
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		<b>&lt; 4.0</b>	<b>mg/L</b>	<b>&lt; 0.12</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		<b>2.9</b>	<b>ug/L</b>	<b>0.00008</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		99	ug/L		Monthly	Grab



**ATTACHMENT B**  
**ANALYTICAL LABORATORY REPORT**  
**INFLUENT AND EFFLUENT SAMPLING – JUNE 2012**

# 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: 180-11497-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

6/27/2012 2:47:11 PM

Jill Colussy

Project Manager I

[jill.colussy@testamericainc.com](mailto:jill.colussy@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://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: 180-11497-1

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**Job ID: 180-11497-1**

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**Laboratory: TestAmerica Pittsburgh**

## Narrative

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**Job Narrative**  
**180-11497-1**

### Receipt

The samples were received on 6/13/2012 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2° C.

### GC/MS VOA

Due to the concentration of target compounds detected, sample INFLUENT0612 (180-11497-2) was analyzed at a dilution. Elevated reporting limits (RLs) are provided.

### Metals

No analytical or quality issues were noted.

### General Chemistry

pH is a field parameter. Laboratory pH analysis was completed at the request of the client.

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# Definitions/Glossary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11497-1

## Qualifiers

### GC/MS VOA

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

### Metals

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

### 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: 180-11497-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pittsburgh	Arkansas DEQ	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	L-A-B	DoD ELAP		L2314
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 DENR	State Program	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	Federal		P330-10-00139
TestAmerica Pittsburgh	USDA	Federal		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAC	8	STLP
TestAmerica Pittsburgh	Virginia	NELAC	3	460189
TestAmerica Pittsburgh	West Virginia DEP	State Program	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: 180-11497-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-11497-1	EFFLUENT0612	Water	06/12/12 09:00	06/13/12 09:15
180-11497-2	INFLUENT0612	Water	06/12/12 09:05	06/13/12 09:15

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# Method Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11497-1

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

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# Client Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11497-1

**Client Sample ID: EFFLUENT0612**

**Lab Sample ID: 180-11497-1**

Date Collected: 06/12/12 09:00

Matrix: Water

Date Received: 06/13/12 09:15

**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			06/13/12 23:40	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			06/13/12 23:40	1
Toluene	1.0	U	1.0	0.15	ug/L			06/13/12 23:40	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			06/13/12 23:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/13/12 23:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/12 23:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		58 - 135		06/13/12 23:40	1
4-Bromofluorobenzene (Surr)	94		62 - 123		06/13/12 23:40	1
Toluene-d8 (Surr)	88		71 - 118		06/13/12 23:40	1
Dibromofluoromethane (Surr)	100		64 - 128		06/13/12 23:40	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		06/15/12 11:52	06/18/12 15:15	1
Chromium	2.9	J	5.0	0.51	ug/L		06/15/12 11:52	06/18/12 15:15	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			06/14/12 10:50	1
pH	7.05	HF	0.100	0.100	SU			06/13/12 14:09	1

**Client Sample ID: INFLUENT0612**

**Lab Sample ID: 180-11497-2**

Date Collected: 06/12/12 09:05

Matrix: Water

Date Received: 06/13/12 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	6.5	J B	10	1.5	ug/L			06/19/12 13:38	10
Tetrachloroethene	10	U	10	1.5	ug/L			06/19/12 13:38	10
Toluene	10	U	10	1.5	ug/L			06/19/12 13:38	10
1,1,1-Trichloroethane	10	U	10	2.9	ug/L			06/19/12 13:38	10
Trichloroethene	170		10	1.4	ug/L			06/19/12 13:38	10
Vinyl chloride	10	U	10	2.3	ug/L			06/19/12 13:38	10
1,2-Dichlorobenzene	10	U	10	1.5	ug/L			06/19/12 13:38	10
cis-1,2-Dichloroethene	20		10	2.4	ug/L			06/19/12 13:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		58 - 135		06/19/12 13:38	10
4-Bromofluorobenzene (Surr)	98		62 - 123		06/19/12 13:38	10
Toluene-d8 (Surr)	88		71 - 118		06/19/12 13:38	10
Dibromofluoromethane (Surr)	98		64 - 128		06/19/12 13:38	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0	J	5.0	0.15	ug/L		06/15/12 11:52	06/18/12 15:21	1
Chromium	7.3		5.0	0.51	ug/L		06/15/12 11:52	06/18/12 15:21	1
Lead	3.0	U	3.0	1.3	ug/L		06/15/12 11:52	06/18/12 15:21	1

# Client Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11497-1

**Client Sample ID: INFLUENT0612**

**Lab Sample ID: 180-11497-2**

Date Collected: 06/12/12 09:05

Matrix: Water

Date Received: 06/13/12 09:15

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.93	HF	0.100	0.100	SU			06/13/12 14:12	1

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# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11497-1

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

**Lab Sample ID: MB 180-38906/4**

**Matrix: Water**

**Analysis Batch: 38906**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.227	J	1.0	0.15	ug/L			06/13/12 13:17	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			06/13/12 13:17	1
Toluene	1.0	U	1.0	0.15	ug/L			06/13/12 13:17	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			06/13/12 13:17	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/13/12 13:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/12 13:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		58 - 135		06/13/12 13:17	1
4-Bromofluorobenzene (Surr)	94		62 - 123		06/13/12 13:17	1
Toluene-d8 (Surr)	92		71 - 118		06/13/12 13:17	1
Dibromofluoromethane (Surr)	96		64 - 128		06/13/12 13:17	1

**Lab Sample ID: LCS 180-38906/2**

**Matrix: Water**

**Analysis Batch: 38906**

**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	14.0		ug/L		70	60 - 140
Tetrachloroethene	20.0	15.3		ug/L		77	73 - 127
Toluene	20.0	16.5		ug/L		83	74 - 126
Trichloroethene	20.0	15.6		ug/L		78	73 - 125
1,2-Dichlorobenzene	20.0	16.1		ug/L		80	68 - 127
cis-1,2-Dichloroethene	20.0	15.6		ug/L		78	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		58 - 135
4-Bromofluorobenzene (Surr)	87		62 - 123
Toluene-d8 (Surr)	90		71 - 118
Dibromofluoromethane (Surr)	83		64 - 128

**Lab Sample ID: 180-11404-E-2 MS**

**Matrix: Water**

**Analysis Batch: 38906**

**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
Methylene Chloride	1.0	U	20.0	14.2		ug/L		71	60 - 140
Tetrachloroethene	1.0	U	20.0	14.6		ug/L		73	73 - 127
Toluene	1.0	U	20.0	16.5		ug/L		82	74 - 126
Trichloroethene	1.0	U	20.0	15.6		ug/L		78	73 - 125
1,2-Dichlorobenzene	1.0	U	20.0	16.7		ug/L		83	68 - 127
cis-1,2-Dichloroethene	1.0	U	20.0	15.9		ug/L		80	69 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		58 - 135
4-Bromofluorobenzene (Surr)	86		62 - 123
Toluene-d8 (Surr)	86		71 - 118
Dibromofluoromethane (Surr)	85		64 - 128

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11497-1

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

**Lab Sample ID: 180-11404-F-2 MSD**

**Matrix: Water**

**Analysis Batch: 38906**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride	1.0	U	20.0	14.9		ug/L		75	60 - 140	5	25
Tetrachloroethene	1.0	U	20.0	15.8		ug/L		79	73 - 127	8	25
Toluene	1.0	U	20.0	18.0		ug/L		90	74 - 126	9	25
Trichloroethene	1.0	U	20.0	16.8		ug/L		84	73 - 125	7	25
1,2-Dichlorobenzene	1.0	U	20.0	17.2		ug/L		86	68 - 127	3	35
cis-1,2-Dichloroethene	1.0	U	20.0	17.1		ug/L		86	69 - 127	7	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		58 - 135
4-Bromofluorobenzene (Surr)	98		62 - 123
Toluene-d8 (Surr)	99		71 - 118
Dibromofluoromethane (Surr)	92		64 - 128

**Lab Sample ID: MB 180-39405/3**

**Matrix: Water**

**Analysis Batch: 39405**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.209	J	1.0	0.15	ug/L			06/19/12 11:51	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			06/19/12 11:51	1
Toluene	1.0	U	1.0	0.15	ug/L			06/19/12 11:51	1
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			06/19/12 11:51	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			06/19/12 11:51	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			06/19/12 11:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			06/19/12 11:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/19/12 11:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		58 - 135		06/19/12 11:51	1
4-Bromofluorobenzene (Surr)	95		62 - 123		06/19/12 11:51	1
Toluene-d8 (Surr)	88		71 - 118		06/19/12 11:51	1
Dibromofluoromethane (Surr)	94		64 - 128		06/19/12 11:51	1

**Lab Sample ID: LCS 180-39405/6**

**Matrix: Water**

**Analysis Batch: 39405**

**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	15.6		ug/L		78	60 - 140
Tetrachloroethene	20.0	15.3		ug/L		76	73 - 127
Toluene	20.0	17.1		ug/L		86	74 - 126
1,1,1-Trichloroethane	20.0	16.9		ug/L		85	75 - 125
Trichloroethene	20.0	17.3		ug/L		86	73 - 125
Vinyl chloride	20.0	16.9		ug/L		85	30 - 140
1,2-Dichlorobenzene	20.0	17.2		ug/L		86	68 - 127
cis-1,2-Dichloroethene	20.0	16.9		ug/L		84	69 - 127

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11497-1

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

**Lab Sample ID: LCS 180-39405/6**

**Matrix: Water**

**Analysis Batch: 39405**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	85		58 - 135
4-Bromofluorobenzene (Surr)	92		62 - 123
Toluene-d8 (Surr)	91		71 - 118
Dibromofluoromethane (Surr)	91		64 - 128

**Lab Sample ID: 180-11583-G-1 MSD**

**Matrix: Water**

**Analysis Batch: 39405**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Methylene Chloride	1.0	U	20.0	15.7		ug/L		78	60 - 140	2	25	
Tetrachloroethene	1.0	U	20.0	17.5		ug/L		87	73 - 127	12	25	
Toluene	1.0	U	20.0	18.8		ug/L		94	74 - 126	9	25	
1,1,1-Trichloroethane	1.0	U	20.0	19.2		ug/L		96	75 - 125	7	25	
Trichloroethene	1.0	U	20.0	18.3		ug/L		91	73 - 125	6	25	
Vinyl chloride	1.0	U	20.0	17.3		ug/L		86	30 - 140	2	35	
1,2-Dichlorobenzene	1.0	U	20.0	18.0		ug/L		90	68 - 127	1	35	
cis-1,2-Dichloroethene	1.0	U	20.0	18.3		ug/L		92	69 - 127	3	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	79		58 - 135
4-Bromofluorobenzene (Surr)	91		62 - 123
Toluene-d8 (Surr)	94		71 - 118
Dibromofluoromethane (Surr)	88		64 - 128

**Lab Sample ID: 180-11583-I-1 MS**

**Matrix: Water**

**Analysis Batch: 39405**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Methylene Chloride	1.0	U	20.0	16.0		ug/L		80	60 - 140	
Tetrachloroethene	1.0	U	20.0	15.5		ug/L		77	73 - 127	
Toluene	1.0	U	20.0	17.1		ug/L		86	74 - 126	
1,1,1-Trichloroethane	1.0	U	20.0	18.0		ug/L		90	75 - 125	
Trichloroethene	1.0	U	20.0	17.2		ug/L		86	73 - 125	
Vinyl chloride	1.0	U	20.0	17.6		ug/L		88	30 - 140	
1,2-Dichlorobenzene	1.0	U	20.0	17.9		ug/L		90	68 - 127	
cis-1,2-Dichloroethene	1.0	U	20.0	17.9		ug/L		89	69 - 127	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	87		58 - 135
4-Bromofluorobenzene (Surr)	89		62 - 123
Toluene-d8 (Surr)	88		71 - 118
Dibromofluoromethane (Surr)	94		64 - 128

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11497-1

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

Lab Sample ID: MB 180-39143/1-A  
Matrix: Water  
Analysis Batch: 39374

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 39143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.15	ug/L		06/15/12 11:52	06/18/12 15:05	1
Chromium	5.0	U	5.0	0.51	ug/L		06/15/12 11:52	06/18/12 15:05	1
Lead	1.38	J	3.0	1.3	ug/L		06/15/12 11:52	06/18/12 15:05	1

Lab Sample ID: LCS 180-39143/2-A  
Matrix: Water  
Analysis Batch: 39374

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 39143

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	48.4		ug/L		97	85 - 115
Chromium	200	190		ug/L		95	85 - 115
Lead	500	508		ug/L		102	85 - 115

Lab Sample ID: 180-11554-A-1-D MS  
Matrix: Water  
Analysis Batch: 39374

Client Sample ID: Matrix Spike  
Prep Type: Total Recoverable  
Prep Batch: 39143

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	5.0	U	50.0	48.7		ug/L		97	70 - 130
Chromium	1.4	J	200	198		ug/L		98	70 - 130
Lead	1.8		500	519		ug/L		103	70 - 130

Lab Sample ID: 180-11554-A-1-E MSD  
Matrix: Water  
Analysis Batch: 39374

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total Recoverable  
Prep Batch: 39143

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	5.0	U	50.0	47.4		ug/L		95	70 - 130	3	20
Chromium	1.4	J	200	186		ug/L		92	70 - 130	6	20
Lead	1.8		500	505		ug/L		101	70 - 130	3	20

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

Lab Sample ID: MB 180-38977/2  
Matrix: Water  
Analysis Batch: 38977

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	2.0	mg/L			06/14/12 08:39	1

Lab Sample ID: LCS 180-38977/1  
Matrix: Water  
Analysis Batch: 38977

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	93.6	76.0		mg/L		81	80 - 120

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11497-1

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

Lab Sample ID: 180-11496-E-1 DU  
Matrix: Water  
Analysis Batch: 38977

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Suspended Solids	13		11.6		mg/L		13	20

## Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-38902/1  
Matrix: Water  
Analysis Batch: 38902

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	6.950		SU		99	99 - 101

Lab Sample ID: 180-11504-A-2 DU  
Matrix: Water  
Analysis Batch: 38902

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	7.30		7.310		SU		0.1	2

# QC Association Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11497-1

## GC/MS VOA

### Analysis Batch: 38906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-11404-E-2 MS	Matrix Spike	Total/NA	Water	624	
180-11404-F-2 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
180-11497-1	EFFLUENT0612	Total/NA	Water	624	
LCS 180-38906/2	Lab Control Sample	Total/NA	Water	624	
MB 180-38906/4	Method Blank	Total/NA	Water	624	

### Analysis Batch: 39405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-11497-2	INFLUENT0612	Total/NA	Water	624	
180-11583-G-1 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
180-11583-I-1 MS	Matrix Spike	Total/NA	Water	624	
LCS 180-39405/6	Lab Control Sample	Total/NA	Water	624	
MB 180-39405/3	Method Blank	Total/NA	Water	624	

## Metals

### Prep Batch: 39143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-11497-1	EFFLUENT0612	Total Recoverable	Water	200.7	
180-11497-2	INFLUENT0612	Total Recoverable	Water	200.7	
180-11554-A-1-D MS	Matrix Spike	Total Recoverable	Water	200.7	
180-11554-A-1-E MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7	
LCS 180-39143/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-39143/1-A	Method Blank	Total Recoverable	Water	200.7	

### Analysis Batch: 39374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-11497-1	EFFLUENT0612	Total Recoverable	Water	200.7 Rev 4.4	39143
180-11497-2	INFLUENT0612	Total Recoverable	Water	200.7 Rev 4.4	39143
180-11554-A-1-D MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	39143
180-11554-A-1-E MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	39143
LCS 180-39143/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	39143
MB 180-39143/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	39143

## General Chemistry

### Analysis Batch: 38902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-11497-1	EFFLUENT0612	Total/NA	Water	SM 4500 H+ B	
180-11497-2	INFLUENT0612	Total/NA	Water	SM 4500 H+ B	
180-11504-A-2 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	
LCS 180-38902/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

### Analysis Batch: 38977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-11496-E-1 DU	Duplicate	Total/NA	Water	SM 2540D	
180-11497-1	EFFLUENT0612	Total/NA	Water	SM 2540D	
LCS 180-38977/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-38977/2	Method Blank	Total/NA	Water	SM 2540D	



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**CHAIN OF CUSTODY RECORD**

11991 3, 2 #1



**CONESTOGA-ROVERS & ASSOCIATES**  
*255 Niagara Falls Blvd*  
*Niagara Falls NY*

SHIPPED TO (Laboratory Name):  
*Test America*

*Pittsburgh*

REFERENCE NUMBER: *018036*

*Buffalo Airport*

SAMPLER'S SIGNATURE: *[Signature]*

PRINTED NAME: *Charles Bell*

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	REMARKS
	<i>6/12</i>	<i>9:00</i>	<i>EFF0612</i>	<i>Wash</i>	<i>5</i>	
	<i>6/12</i>	<i>9:05</i>	<i>EFF0612</i>		<i>3</i>	
					<i>1</i>	
					<i>1</i>	
					<i>1</i>	

*624 Wash M.D. vials*  
*PARAMETERS*  
*25400 SALVOP*  
*90007 med cal*  
*SAVSCO HR*  
*1/20/07*

TOTAL NUMBER OF CONTAINERS

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: <i>[Signature]</i>	DATE: <i>6-12-12</i>	TIME: <i>9:00</i>	RECEIVED BY: <i>[Signature]</i>	DATE: <i>6/12/12</i>	TIME: <i>9:05</i>
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:

METHOD OF SHIPMENT:

WAY BILL No.

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

SAMPLE TEAM: *[Signature]*

RECEIVED FOR LABORATORY BY:

**No: CRA25340**

## Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-11497-1

**Login Number: 11497**

**List Source: TestAmerica Pittsburgh**

**List Number: 1**

**Creator: Gamber, Tom**

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	



**ATTACHMENT C**  
**ANALYTICAL LABORATORY REPORT**  
**MW-32 SAMPLING – JUNE 2012**

**Well Sampling Key**  
**June 19, 2012**  
**NYSDEC Site No. 9-15-066, Cheektowaga, New York**

<b>Well No.</b>	<b>Sample No.</b>	<b>Well Sampling Method</b>
MW-34D	WG-18036-061912 -001	Bailer
MW-34	WG-18036-061912 -002	Bailer
MW-35	WG-18036-061912 -003	Bailer
MW-30	WG-18036-061912 -004	Bailer
MW-33	WG-18036-061912 -005	Bailer
MW-32	WG-18036-061912 -006	Bailer
MW-2	WG-18036-061912 -007	Bailer
MW-28	WG-18036-061912 -008	Low-Flow
MW-5	WG-18036-061912 -009	Low-Flow
MW-31	WG-18036-061912 -010	Low-Flow
Trip Blank	TB-18036-061912	--

# 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: 180-11735-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

6/29/2012 9:54:01 AM

Roseann Ruyechan

Department Manager I

[roseann.ruyechan@testamericainc.com](mailto:roseann.ruyechan@testamericainc.com)

Designee for

Jill Colussy

Project Manager I

[jill.colussy@testamericainc.com](mailto:jill.colussy@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.*

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

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# Case Narrative

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

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**Job ID: 180-11735-1**

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**Laboratory: TestAmerica Pittsburgh**

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**Narrative**

**Job Narrative**  
**180-11735-1**

**Receipt**

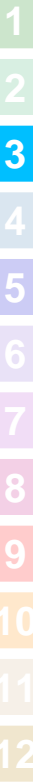
The samples were received on 6/20/2012. The samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.6° C.

**GC/MS VOA**

Method 8260B: The following sample was diluted due to the abundance of target analytes: WG-18036-061912-006 (180-11735-6).

**Metals**

Method 6010B: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following samples for lead: (180-11735-8 MS), (180-11735-8 MSD), WG-18036-061912-007 (180-11735-7), WG-18036-061912-008 (180-11735-8), and WG-18036-061912-010 (180-11735-10).



# Definitions/Glossary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

## 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.
☼	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: 180-11735-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pittsburgh	Arkansas DEQ	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	L-A-B	DoD ELAP		L2314
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 DENR	State Program	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	Federal		P330-10-00139
TestAmerica Pittsburgh	USDA	Federal		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAC	8	STLP
TestAmerica Pittsburgh	Virginia	NELAC	3	460189
TestAmerica Pittsburgh	West Virginia DEP	State Program	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: 180-11735-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-11735-1	WG-18036-061912-001	Water	06/19/12 10:05	06/20/12 09:00
180-11735-2	WG-18036-061912-002	Water	06/19/12 10:15	06/20/12 09:00
180-11735-3	WG-18036-061912-003	Water	06/19/12 10:30	06/20/12 09:00
180-11735-4	WG-18036-061912-004	Water	06/19/12 10:40	06/20/12 09:00
180-11735-5	WG-18036-061912-005	Water	06/19/12 11:05	06/20/12 09:00
180-11735-6	WG-18036-061912-006	Water	06/19/12 11:30	06/20/12 09:00
180-11735-7	WG-18036-061912-007	Water	06/19/12 09:05	06/20/12 09:00
180-11735-8	WG-18036-061912-008	Water	06/19/12 10:15	06/20/12 09:00
180-11735-9	WG-18036-061912-009	Water	06/19/12 11:20	06/20/12 09:00
180-11735-10	WG-18036-061912-010	Water	06/19/12 12:40	06/20/12 09:00
180-11735-11	TB-18036-061912-	Water	06/19/12 00:00	06/20/12 09:00

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# Method Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

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



# Client Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

**Client Sample ID: WG-18036-061912-001**

**Lab Sample ID: 180-11735-1**

Date Collected: 06/19/12 10:05

Matrix: Water

Date Received: 06/20/12 09:00

**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			06/22/12 12:22	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			06/22/12 12:22	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			06/22/12 12:22	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			06/22/12 12:22	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			06/22/12 12:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		62 - 123		06/22/12 12:22	1
Toluene-d8 (Surr)	97		80 - 120		06/22/12 12:22	1
4-Bromofluorobenzene (Surr)	101		75 - 120		06/22/12 12:22	1
Dibromofluoromethane (Surr)	106		80 - 120		06/22/12 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.59	J	5.0	0.13	ug/L		06/21/12 09:41	06/22/12 18:27	1
Lead	2.0	J	3.0	1.3	ug/L		06/21/12 09:41	06/22/12 18:27	1

**Client Sample ID: WG-18036-061912-002**

**Lab Sample ID: 180-11735-2**

Date Collected: 06/19/12 10:15

Matrix: Water

Date Received: 06/20/12 09:00

**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			06/21/12 17:17	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			06/21/12 17:17	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			06/21/12 17:17	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			06/21/12 17:17	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			06/21/12 17:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 123		06/21/12 17:17	1
Toluene-d8 (Surr)	86		80 - 120		06/21/12 17:17	1
4-Bromofluorobenzene (Surr)	90		75 - 120		06/21/12 17:17	1
Dibromofluoromethane (Surr)	104		80 - 120		06/21/12 17:17	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		06/21/12 09:41	06/22/12 18:33	1
Lead	3.0	U	3.0	1.3	ug/L		06/21/12 09:41	06/22/12 18:33	1

**Client Sample ID: WG-18036-061912-003**

**Lab Sample ID: 180-11735-3**

Date Collected: 06/19/12 10:30

Matrix: Water

Date Received: 06/20/12 09:00

**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			06/21/12 17:43	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			06/21/12 17:43	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			06/21/12 17:43	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			06/21/12 17:43	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			06/21/12 17:43	1

# Client Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

**Client Sample ID: WG-18036-061912-003**

**Lab Sample ID: 180-11735-3**

Date Collected: 06/19/12 10:30

Matrix: Water

Date Received: 06/20/12 09:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		62 - 123		06/21/12 17:43	1
Toluene-d8 (Surr)	85		80 - 120		06/21/12 17:43	1
4-Bromofluorobenzene (Surr)	91		75 - 120		06/21/12 17:43	1
Dibromofluoromethane (Surr)	107		80 - 120		06/21/12 17:43	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		06/21/12 09:41	06/22/12 18:38	1
Lead	9.1		3.0	1.3	ug/L		06/21/12 09:41	06/22/12 18:38	1

**Client Sample ID: WG-18036-061912-004**

**Lab Sample ID: 180-11735-4**

Date Collected: 06/19/12 10:40

Matrix: Water

Date Received: 06/20/12 09:00

**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			06/21/12 18:08	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			06/21/12 18:08	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			06/21/12 18:08	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			06/21/12 18:08	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			06/21/12 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 123		06/21/12 18:08	1
Toluene-d8 (Surr)	86		80 - 120		06/21/12 18:08	1
4-Bromofluorobenzene (Surr)	91		75 - 120		06/21/12 18:08	1
Dibromofluoromethane (Surr)	105		80 - 120		06/21/12 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.6	J	5.0	0.13	ug/L		06/21/12 09:41	06/22/12 18:54	1
Lead	16		3.0	1.3	ug/L		06/21/12 09:41	06/22/12 18:54	1

**Client Sample ID: WG-18036-061912-005**

**Lab Sample ID: 180-11735-5**

Date Collected: 06/19/12 11:05

Matrix: Water

Date Received: 06/20/12 09:00

**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			06/21/12 18:52	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			06/21/12 18:52	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			06/21/12 18:52	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			06/21/12 18:52	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			06/21/12 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		62 - 123		06/21/12 18:52	1
Toluene-d8 (Surr)	85		80 - 120		06/21/12 18:52	1
4-Bromofluorobenzene (Surr)	93		75 - 120		06/21/12 18:52	1
Dibromofluoromethane (Surr)	107		80 - 120		06/21/12 18:52	1

# Client Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

**Client Sample ID: WG-18036-061912-005**

**Lab Sample ID: 180-11735-5**

Date Collected: 06/19/12 11:05

Matrix: Water

Date Received: 06/20/12 09:00

**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		06/21/12 09:41	06/22/12 18:59	1
<b>Lead</b>	<b>2.4</b>	<b>J</b>	3.0	1.3	ug/L		06/21/12 09:41	06/22/12 18:59	1

**Client Sample ID: WG-18036-061912-006**

**Lab Sample ID: 180-11735-6**

Date Collected: 06/19/12 11:30

Matrix: Water

Date Received: 06/20/12 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	25	U	25	4.2	ug/L			06/21/12 21:53	5
<b>Vinyl chloride</b>	<b>11</b>	<b>J</b>	25	6.5	ug/L			06/21/12 21:53	5
<b>cis-1,2-Dichloroethene</b>	<b>210</b>		25	3.3	ug/L			06/21/12 21:53	5
1,1,1-Trichloroethane	25	U	25	5.1	ug/L			06/21/12 21:53	5
<b>Trichloroethene</b>	<b>200</b>		25	4.0	ug/L			06/21/12 21:53	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 123		06/21/12 21:53	5
Toluene-d8 (Surr)	85		80 - 120		06/21/12 21:53	5
4-Bromofluorobenzene (Surr)	91		75 - 120		06/21/12 21:53	5
Dibromofluoromethane (Surr)	101		80 - 120		06/21/12 21:53	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		06/21/12 09:41	06/22/12 19:04	1
<b>Lead</b>	<b>1.4</b>	<b>J</b>	3.0	1.3	ug/L		06/21/12 09:41	06/22/12 19:04	1

**Client Sample ID: WG-18036-061912-007**

**Lab Sample ID: 180-11735-7**

Date Collected: 06/19/12 09:05

Matrix: Water

Date Received: 06/20/12 09:00

**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			06/21/12 19:18	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			06/21/12 19:18	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			06/21/12 19:18	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			06/21/12 19:18	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			06/21/12 19:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 123		06/21/12 19:18	1
Toluene-d8 (Surr)	86		80 - 120		06/21/12 19:18	1
4-Bromofluorobenzene (Surr)	92		75 - 120		06/21/12 19:18	1
Dibromofluoromethane (Surr)	107		80 - 120		06/21/12 19:18	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		06/21/12 09:41	06/22/12 19:10	1
<b>Lead</b>	<b>14</b>		6.0	2.5	ug/L		06/21/12 09:41	06/25/12 13:42	2

# Client Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

**Client Sample ID: WG-18036-061912-008**

**Lab Sample ID: 180-11735-8**

Date Collected: 06/19/12 10:15

Matrix: Water

Date Received: 06/20/12 09:00

**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			06/21/12 19:43	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			06/21/12 19:43	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			06/21/12 19:43	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			06/21/12 19:43	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			06/21/12 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 123		06/21/12 19:43	1
Toluene-d8 (Surr)	85		80 - 120		06/21/12 19:43	1
4-Bromofluorobenzene (Surr)	91		75 - 120		06/21/12 19:43	1
Dibromofluoromethane (Surr)	104		80 - 120		06/21/12 19:43	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		06/21/12 09:41	06/22/12 19:15	1
Lead	6.0	U	6.0	2.5	ug/L		06/21/12 09:41	06/25/12 13:58	2

**Client Sample ID: WG-18036-061912-009**

**Lab Sample ID: 180-11735-9**

Date Collected: 06/19/12 11:20

Matrix: Water

Date Received: 06/20/12 09:00

**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			06/21/12 20:08	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			06/21/12 20:08	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			06/21/12 20:08	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			06/21/12 20:08	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			06/21/12 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 123		06/21/12 20:08	1
Toluene-d8 (Surr)	86		80 - 120		06/21/12 20:08	1
4-Bromofluorobenzene (Surr)	92		75 - 120		06/21/12 20:08	1
Dibromofluoromethane (Surr)	105		80 - 120		06/21/12 20:08	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		06/21/12 09:41	06/22/12 19:37	1
Lead	3.0	U	3.0	1.3	ug/L		06/21/12 09:41	06/22/12 19:37	1

**Client Sample ID: WG-18036-061912-010**

**Lab Sample ID: 180-11735-10**

Date Collected: 06/19/12 12:40

Matrix: Water

Date Received: 06/20/12 09:00

**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			06/21/12 20:33	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			06/21/12 20:33	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			06/21/12 20:33	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			06/21/12 20:33	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			06/21/12 20:33	1

# Client Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

**Client Sample ID: WG-18036-061912-010**

**Lab Sample ID: 180-11735-10**

**Date Collected: 06/19/12 12:40**

**Matrix: Water**

**Date Received: 06/20/12 09:00**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 123		06/21/12 20:33	1
Toluene-d8 (Surr)	86		80 - 120		06/21/12 20:33	1
4-Bromofluorobenzene (Surr)	93		75 - 120		06/21/12 20:33	1
Dibromofluoromethane (Surr)	103		80 - 120		06/21/12 20:33	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		06/21/12 09:41	06/22/12 19:43	1
Lead	15	U	15	6.3	ug/L		06/21/12 09:41	06/25/12 14:20	5

**Client Sample ID: TB-18036-061912-**

**Lab Sample ID: 180-11735-11**

**Date Collected: 06/19/12 00:00**

**Matrix: Water**

**Date Received: 06/20/12 09:00**

**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			06/21/12 20:58	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			06/21/12 20:58	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			06/21/12 20:58	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			06/21/12 20:58	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			06/21/12 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		62 - 123		06/21/12 20:58	1
Toluene-d8 (Surr)	86		80 - 120		06/21/12 20:58	1
4-Bromofluorobenzene (Surr)	91		75 - 120		06/21/12 20:58	1
Dibromofluoromethane (Surr)	107		80 - 120		06/21/12 20:58	1



# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

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

**Lab Sample ID: MB 180-39679/3**

**Matrix: Water**

**Analysis Batch: 39679**

**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			06/21/12 13:11	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			06/21/12 13:11	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			06/21/12 13:11	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			06/21/12 13:11	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			06/21/12 13:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		62 - 123		06/21/12 13:11	1
Toluene-d8 (Surr)	86		80 - 120		06/21/12 13:11	1
4-Bromofluorobenzene (Surr)	90		75 - 120		06/21/12 13:11	1
Dibromofluoromethane (Surr)	105		80 - 120		06/21/12 13:11	1

**Lab Sample ID: LCS 180-39679/4**

**Matrix: Water**

**Analysis Batch: 39679**

**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	38.0		ug/L		95	80 - 124
Vinyl chloride	40.0	38.5		ug/L		96	57 - 128
cis-1,2-Dichloroethene	40.0	39.5		ug/L		99	82 - 116
1,1,1-Trichloroethane	40.0	43.6		ug/L		109	69 - 134
Trichloroethene	40.0	36.7		ug/L		92	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		62 - 123
Toluene-d8 (Surr)	90		80 - 120
4-Bromofluorobenzene (Surr)	88		75 - 120
Dibromofluoromethane (Surr)	96		80 - 120

**Lab Sample ID: LCSD 180-39679/5**

**Matrix: Water**

**Analysis Batch: 39679**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	40.0	38.9		ug/L		97	80 - 124	2	20
Vinyl chloride	40.0	37.8		ug/L		94	57 - 128	2	26
cis-1,2-Dichloroethene	40.0	39.6		ug/L		99	82 - 116	0	20
1,1,1-Trichloroethane	40.0	43.6		ug/L		109	69 - 134	0	24
Trichloroethene	40.0	38.0		ug/L		95	80 - 120	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		62 - 123
Toluene-d8 (Surr)	90		80 - 120
4-Bromofluorobenzene (Surr)	88		75 - 120
Dibromofluoromethane (Surr)	94		80 - 120

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

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

**Lab Sample ID: MB 180-39727/4**

**Matrix: Water**

**Analysis Batch: 39727**

**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			06/22/12 08:56	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			06/22/12 08:56	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			06/22/12 08:56	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			06/22/12 08:56	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			06/22/12 08:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		62 - 123		06/22/12 08:56	1
Toluene-d8 (Surr)	95		80 - 120		06/22/12 08:56	1
4-Bromofluorobenzene (Surr)	99		75 - 120		06/22/12 08:56	1
Dibromofluoromethane (Surr)	108		80 - 120		06/22/12 08:56	1

**Lab Sample ID: LCS 180-39727/7**

**Matrix: Water**

**Analysis Batch: 39727**

**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	42.0		ug/L		105	80 - 124
Vinyl chloride	40.0	44.7		ug/L		112	57 - 128
cis-1,2-Dichloroethene	40.0	40.9		ug/L		102	82 - 116
1,1,1-Trichloroethane	40.0	39.8		ug/L		100	69 - 134
Trichloroethene	40.0	39.9		ug/L		100	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		62 - 123
Toluene-d8 (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	98		80 - 120

**Lab Sample ID: 180-11550-E-9 MS**

**Matrix: Water**

**Analysis Batch: 39727**

**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	42.5		ug/L		106	80 - 124
Vinyl chloride	5.0	U	40.0	45.8		ug/L		115	57 - 128
cis-1,2-Dichloroethene	5.0	U	40.0	41.9		ug/L		105	82 - 116
1,1,1-Trichloroethane	5.0	U	40.0	40.4		ug/L		101	69 - 134
Trichloroethene	5.0	U	40.0	40.5		ug/L		101	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		62 - 123
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	103		80 - 120

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

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

**Lab Sample ID: 180-11550-G-9 MSD**

**Matrix: Water**

**Analysis Batch: 39727**

**Client Sample ID: Matrix Spike Duplicate**

**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	43.6		ug/L		109	80 - 124	2	20
Vinyl chloride	5.0	U	40.0	46.3		ug/L		116	57 - 128	1	26
cis-1,2-Dichloroethene	5.0	U	40.0	42.0		ug/L		105	82 - 116	0	20
1,1,1-Trichloroethane	5.0	U	40.0	42.3		ug/L		106	69 - 134	5	24
Trichloroethene	5.0	U	40.0	40.9		ug/L		102	80 - 120	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		62 - 123
Toluene-d8 (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	99		75 - 120
Dibromofluoromethane (Surr)	100		80 - 120

## Method: 6010B - Metals (ICP)

**Lab Sample ID: MB 180-39611/1-A**

**Matrix: Water**

**Analysis Batch: 39892**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 39611**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		06/21/12 09:41	06/22/12 18:06	1
Lead	3.0	U	3.0	1.3	ug/L		06/21/12 09:41	06/22/12 18:06	1

**Lab Sample ID: LCS 180-39611/2-A**

**Matrix: Water**

**Analysis Batch: 39892**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 39611**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	49.2		ug/L		98	80 - 120
Lead	500	523		ug/L		105	80 - 120

**Lab Sample ID: 180-11735-8 MS**

**Matrix: Water**

**Analysis Batch: 39892**

**Client Sample ID: WG-18036-061912-008**

**Prep Type: Total/NA**

**Prep Batch: 39611**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	5.0	U	50.0	45.7		ug/L		91	75 - 125

**Lab Sample ID: 180-11735-8 MS**

**Matrix: Water**

**Analysis Batch: 40024**

**Client Sample ID: WG-18036-061912-008**

**Prep Type: Total/NA**

**Prep Batch: 39611**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	6.0	U	500	480		ug/L		96	75 - 125

**Lab Sample ID: 180-11735-8 MSD**

**Matrix: Water**

**Analysis Batch: 39892**

**Client Sample ID: WG-18036-061912-008**

**Prep Type: Total/NA**

**Prep Batch: 39611**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	5.0	U	50.0	46.1		ug/L		92	75 - 125	1	20

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

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

Lab Sample ID: 180-11735-8 MSD

Matrix: Water

Analysis Batch: 40024

Client Sample ID: WG-18036-061912-008

Prep Type: Total/NA

Prep Batch: 39611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	6.0	U	500	499		ug/L		100	75 - 125	4	20

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# QC Association Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

## GC/MS VOA

### Analysis Batch: 39679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-11735-2	WG-18036-061912-002	Total/NA	Water	8260B	
180-11735-3	WG-18036-061912-003	Total/NA	Water	8260B	
180-11735-4	WG-18036-061912-004	Total/NA	Water	8260B	
180-11735-5	WG-18036-061912-005	Total/NA	Water	8260B	
180-11735-6	WG-18036-061912-006	Total/NA	Water	8260B	
180-11735-7	WG-18036-061912-007	Total/NA	Water	8260B	
180-11735-8	WG-18036-061912-008	Total/NA	Water	8260B	
180-11735-9	WG-18036-061912-009	Total/NA	Water	8260B	
180-11735-10	WG-18036-061912-010	Total/NA	Water	8260B	
180-11735-11	TB-18036-061912-	Total/NA	Water	8260B	
LCS 180-39679/4	Lab Control Sample	Total/NA	Water	8260B	
LCS 180-39679/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 180-39679/3	Method Blank	Total/NA	Water	8260B	

### Analysis Batch: 39727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-11550-E-9 MS	Matrix Spike	Total/NA	Water	8260B	
180-11550-G-9 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
180-11735-1	WG-18036-061912-001	Total/NA	Water	8260B	
LCS 180-39727/7	Lab Control Sample	Total/NA	Water	8260B	
MB 180-39727/4	Method Blank	Total/NA	Water	8260B	

## Metals

### Prep Batch: 39611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-11735-1	WG-18036-061912-001	Total/NA	Water	3010A	
180-11735-2	WG-18036-061912-002	Total/NA	Water	3010A	
180-11735-3	WG-18036-061912-003	Total/NA	Water	3010A	
180-11735-4	WG-18036-061912-004	Total/NA	Water	3010A	
180-11735-5	WG-18036-061912-005	Total/NA	Water	3010A	
180-11735-6	WG-18036-061912-006	Total/NA	Water	3010A	
180-11735-7	WG-18036-061912-007	Total/NA	Water	3010A	
180-11735-8	WG-18036-061912-008	Total/NA	Water	3010A	
180-11735-8 MS	WG-18036-061912-008	Total/NA	Water	3010A	
180-11735-8 MSD	WG-18036-061912-008	Total/NA	Water	3010A	
180-11735-9	WG-18036-061912-009	Total/NA	Water	3010A	
180-11735-10	WG-18036-061912-010	Total/NA	Water	3010A	
LCS 180-39611/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 180-39611/1-A	Method Blank	Total/NA	Water	3010A	

### Analysis Batch: 39892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-11735-1	WG-18036-061912-001	Total/NA	Water	6010B	39611
180-11735-2	WG-18036-061912-002	Total/NA	Water	6010B	39611
180-11735-3	WG-18036-061912-003	Total/NA	Water	6010B	39611
180-11735-4	WG-18036-061912-004	Total/NA	Water	6010B	39611
180-11735-5	WG-18036-061912-005	Total/NA	Water	6010B	39611
180-11735-6	WG-18036-061912-006	Total/NA	Water	6010B	39611
180-11735-7	WG-18036-061912-007	Total/NA	Water	6010B	39611
180-11735-8	WG-18036-061912-008	Total/NA	Water	6010B	39611
180-11735-8 MS	WG-18036-061912-008	Total/NA	Water	6010B	39611

# QC Association Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-11735-1

## Metals (Continued)

### Analysis Batch: 39892 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-11735-8 MSD	WG-18036-061912-008	Total/NA	Water	6010B	39611
180-11735-9	WG-18036-061912-009	Total/NA	Water	6010B	39611
180-11735-10	WG-18036-061912-010	Total/NA	Water	6010B	39611
LCS 180-39611/2-A	Lab Control Sample	Total/NA	Water	6010B	39611
MB 180-39611/1-A	Method Blank	Total/NA	Water	6010B	39611

### Analysis Batch: 40024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-11735-7	WG-18036-061912-007	Total/NA	Water	6010B	39611
180-11735-8	WG-18036-061912-008	Total/NA	Water	6010B	39611
180-11735-8 MS	WG-18036-061912-008	Total/NA	Water	6010B	39611
180-11735-8 MSD	WG-18036-061912-008	Total/NA	Water	6010B	39611
180-11735-10	WG-18036-061912-010	Total/NA	Water	6010B	39611



**CONESTOGA-ROVERS & ASSOCIATES**

**CHAIN OF CUSTODY RECORD**  
 Address: 2055 Niagara Falls Blvd Suite #3  
 Phone: 716 297 6150 Fax: \_\_\_\_\_

COC NO: 36375  
 PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No/Phase/Task Code:  
 18036-1221

Project Name:  
 Viacom Semi-Annual

Project Location:  
 Buffalo Airport

Chemistry Contact:

Sampler(s):  
 L. Rebst, S. Gardner, D. Tyrann

Laboratory Name:  
 Test America  
 Lab Contact:  
 Lab Location:  
 Pittsburgh  
 Lab Quote No:

CONTAINER QUANTITY & PRESERVATION  
 ANALYSIS REQUESTED (See Back of COC for Definitions)

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (month/day)	TIME (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	CONTAINER QUANTITY & PRESERVATION							MS/MSD Request	Carrier: Fed Ex	Date Shipped: 6-19-12	COMMENTS/ SPECIAL INSTRUCTIONS:	
						Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO <sub>3</sub> )	Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> )	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g					Other:
1	W6-18036-061912-001	6-19-12	1005	W/G	G		X	X						4	3	1	
2	W/G-18036-061912-002	6-19-12	1015	W/G	G		X	X						4	3	1	
3	W/G-18036-061912-003	6-19-12	1030	W/G	G		X	X						4	3	1	
4	W/G-18036-061912-004	6-19-12	1040	W/G	G		X	X						4	3	1	
5	W/G-18036-061912-005	6-19-12	1105	W/G	G		X	X						4	3	1	
6	W/G-18036-061912-006	6-19-12	1130	W/G	G		X	X						4	3	1	
7	W/G-18036-061912-007	6-19-12	0905	W/G	G		X	X						4	3	1	
8	W/G-18036-061912-008	6-19-12	1015	W/G	G		X	X						4	3	1	
9	W/G-18036-061912-009	6-19-12	1120	W/G	G		X	X						4	3	1	
10	W/G-18036-061912-010	6-19-12	1240	W/G	G		X	X						4	3	1	
11	TR-18036-061912-	6-19-12		TR	G									2	2		

REINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
<i>Renee Agner</i>	CRA	6-19-12	1350	<i>[Signature]</i>	North	6/20/12	0900

TAT Required in business days (use separate COCs for different TATs):  
 1 Day  2 Days  3 Days  1 Week  2 Week  Other:  
 Total Number of Containers: 112 Notes/Special Requirements:

All Samples in Cooler must be on COC

## Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-11735-1

**Login Number: 11735**

**List Source: TestAmerica Pittsburgh**

**List Number: 1**

**Creator: Gamber, Tom**

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	





## Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-11735-1

**Login Number: 11735**

**List Number: 1**

**Creator: Gamber, Tom**

**List Source: TestAmerica Pittsburgh**

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	

