



**CBS Corporation**

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

*Via Electronic and First-Class Mail*

October 7, 2011

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 during September 2011 and transmits the discharge monitoring report for this reporting period.

**1. Site Activities and Status**

- A. On September 15, 2011, CBS submitted to NYSDEC the monthly report on the status of O&M activities at the Site for the August 2011 operating period. That status report also transmitted the discharge monitoring data for August 2011.
- B. The recovery and treatment system operated throughout September 2011.
- 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 September 30, 2011, on behalf of CBS, CRA submitted electronic data deliverables to NYSDEC for the July and August 2011 effluent sampling.

## **2. Sampling Results and Other Site Data**

- A. In September 2011, the groundwater system recovered and treated an estimated 146,000 gallons.
- B. Attachment A provides the discharge monitoring report for September 2011 based on the effluent sample collected on September 15, 2011, and 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 and laboratory analysis of the monthly effluent sample. Effluent pH data are reported only for measurements taken while the treatment pump is operating and the system is actively discharging.
  - The reported daily maximum values (pounds per day) are calculated using the maximum (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 September 2011 reporting period, the effluent sampling results complied with all discharge limitations.
- E. Table 1 presents the results of influent sampling and includes the data from the most recent influent sample collected on September 15, 2011. No flow was observed from Sump 001 at the time of sampling. Accordingly, this latest influent sample is a composite of the influent from the 002 and 003 portions of the system only. Attachment B includes the analytical laboratory report for this influent sample.
- F. Table 2 presents the results of quarterly monitoring of well MW-32 located in Area P at the northern portion of the Site, including the most recent sample collected on September 9, 2011. Attachment C includes the analytical laboratory report for this monitoring well sample.

- G. Figure 1 shows the relationship between target volatile organic compound (VOC) concentrations over time at well MW-32. As shown in Figure 1, total target VOC concentrations have decreased significantly at well MW-32 following the in situ chemical oxidation treatment that was conducted after the source removal specified in the March 1995 Record of Decision failed to result in low residual VOC concentrations at this well.

### **3. Upcoming Activities**

- A. CBS will continue required O&M activities.
- B. With NYSDEC approval, CBS will complete the Phase 1 closure of the 002 system by filling and sealing manholes MH-002-09 and MH-002-10.
- C. After closing MH-002-09, and MH-002-10, CRA will conduct additional water level measurements, surface water monitoring, and groundwater monitoring per the *Revised Work Plan* (Rev. 1, November 7, 2008).

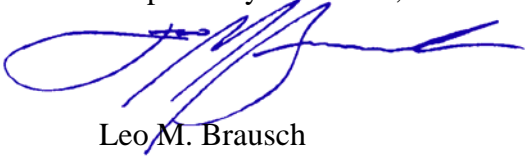
### **4. Operational Problems**

- A. Previously reported operational problems associated with elevated pH, pH control, and hardness continue. These operational problems are expected to be largely resolved with the phased shutdown of the collection system and limitation of inflows to those associated with Sump 003.
- B. Previously reported operational problems associated system inflows are lessened with the minimal flows associated with Sump 001 now that the 001 portion of the groundwater collection system has been partially closed.
- C. The post-closure monitoring data indicate that the Phase 1 closure of the 001 groundwater collection system addressed the previously observed high water levels at Sump 001, which had led to periodic overtopping of that manhole. The ongoing periodic overtopping at Sump 002 will be addressed through the partial closure of that portion of the groundwater collection system.
- D. The Phase 1 closure of the 002 system is expected to reduce the conveyance of groundwater containing VOCs via storm sewers installed by the Niagara Frontier Transportation Authority (NFTA) as part of airport development.
- E. CBS is unaware of any ongoing or unresolved issues that would reasonably delay the implementation the Phase 1 closure of the 002 system under the *Revised Work Plan* (Rev. 1, November 7, 2008), and CBS continues to seek resolution of any such issues.

Mr. David P. Locey  
October 7, 2011  
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We trust this submittal satisfies your requirements at this time. If you have questions regarding this status report, please contact me.

Respectfully submitted,



Leo M. Brausch  
Consultant/Project Engineer

LMB:  
Attachments

cc: K. P. Lynch, CRA  
F. Cefalu, 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

Data Legend:

"NA" - indicates not analyzed

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

Data qualifiers:

U - not detected at indicated detection limit

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



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

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

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

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
03/23/06	<b>350</b>	30 U	30 U	<b>290</b>	<b>36</b>	5 U	3 U
06/13/06	<b>410</b>	50 U	50 U	<b>440</b>	<b>13 J</b>	5 U	3 U
06/13/06 (Dup)	<b>540</b>	50 U	50 U	<b>880</b>	<b>51</b>	5 U	3 U
09/11/06	<b>1,400</b>	150 U	150 U	<b>2,000</b>	<b>85 J</b>	<b>0.34 J</b>	<b>4.9 J</b>
12/12/06	<b>290</b>	40 U	40 U	<b>67</b>	<b>42 J</b>	5 U	<b>1.2 B</b>
12/12/06 (Dup)	<b>590</b>	50 U	50 U	<b>240</b>	<b>75 J</b>	5 U	<b>3.1</b>
03/27/07	<b>380</b>	10 U	10 U	<b>22</b>	<b>36 J</b>	5 U	<b>2.4 J</b>
06/26/07	<b>1,700</b>	150 U	150 U	<b>23 J</b>	<b>710</b>	5 U	<b>1.5 J</b>
09/17/07	<b>2,500</b>	150 U	150 U	<b>410</b>	<b>140</b>	5 U	<b>1.5 J</b>
12/19/07	<b>1,500</b>	150 U	150 U	<b>160</b>	<b>200</b>	<b>0.29 J</b>	<b>3.0</b>
12/19/07 (Dup)	<b>1,500</b>	100 U	100 U	<b>170</b>	<b>200</b>	5 U	3 U
03/19/08	<b>530</b>	40 U	40 U	<b>110</b>	<b>53</b>	<b>0.38 J</b>	<b>2.2 J</b>
06/26/08	<b>520</b>	50 U	50 U	<b>310</b>	<b>27 J</b>	5 U	1 U
09/30/08	<b>420</b>	50 U	50 U	<b>120</b>	<b>48</b>	5 U	1 U
12/11/08	<b>200</b>	20 U	20 U	<b>200</b>	<b>9.9 J</b>	5 U	<b>5.4</b>
12/11/08 (Dup)	<b>170</b>	10 U	10 U	<b>180</b>	<b>9.0 J</b>	5 U	<b>3.5</b>
03/05/09	<b>280</b>	20 U	20 U	<b>170</b>	<b>25</b>	<b>0.090 J</b>	<b>4.1</b>
06/22/09	<b>430</b>	40 U	40 U	<b>590</b>	<b>22 J</b>	5 U	<b>1.6 J</b>
06/22/09 (Dup)	<b>410</b>	40 U	40 U	<b>540</b>	<b>24 J</b>	5 U	<b>3.4</b>
09/10/09	<b>320</b>	25 U	25 U	<b>330</b>	<b>26</b>	5 U	<b>3.8</b>
12/07/09	<b>390</b>	50 U	50 U	<b>370</b>	<b>17 J</b>	5 U	<b>2.5 J</b>
12/07/09 (Dup)	<b>380</b>	50 U	50 U	<b>370</b>	<b>16 J</b>	5 U	<b>1.1 J</b>
03/22/10	<b>360</b>	25 U	25 U	<b>160</b>	<b>25 J</b>	5 U	<b>3.1</b>
06/14/10	<b>260</b>	20 U	20 U	<b>250</b>	<b>18 J</b>	5 U	<b>2.5 J</b>
09/03/10	<b>240</b>	20 U	20 U	<b>240</b>	<b>17 J</b>	5 U	3 U
12/21/10	<b>400</b>	50 U	50 U	<b>290</b>	<b>22 J</b>	5 U	3 U
03/24/11	<b>210</b>	20 U	20 U	<b>130</b>	<b>11 J</b>	5 U	3 U
06/14/11	<b>190</b>	5 U	5 U	<b>210</b>	<b>11</b>	5 U	<b>1.6 J</b>
09/09/11	<b>330</b>	10 U	10 U	<b>410</b>	<b>32</b>	5 U	3 U

Data Legend:

"NA" - indicates not analyzed

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

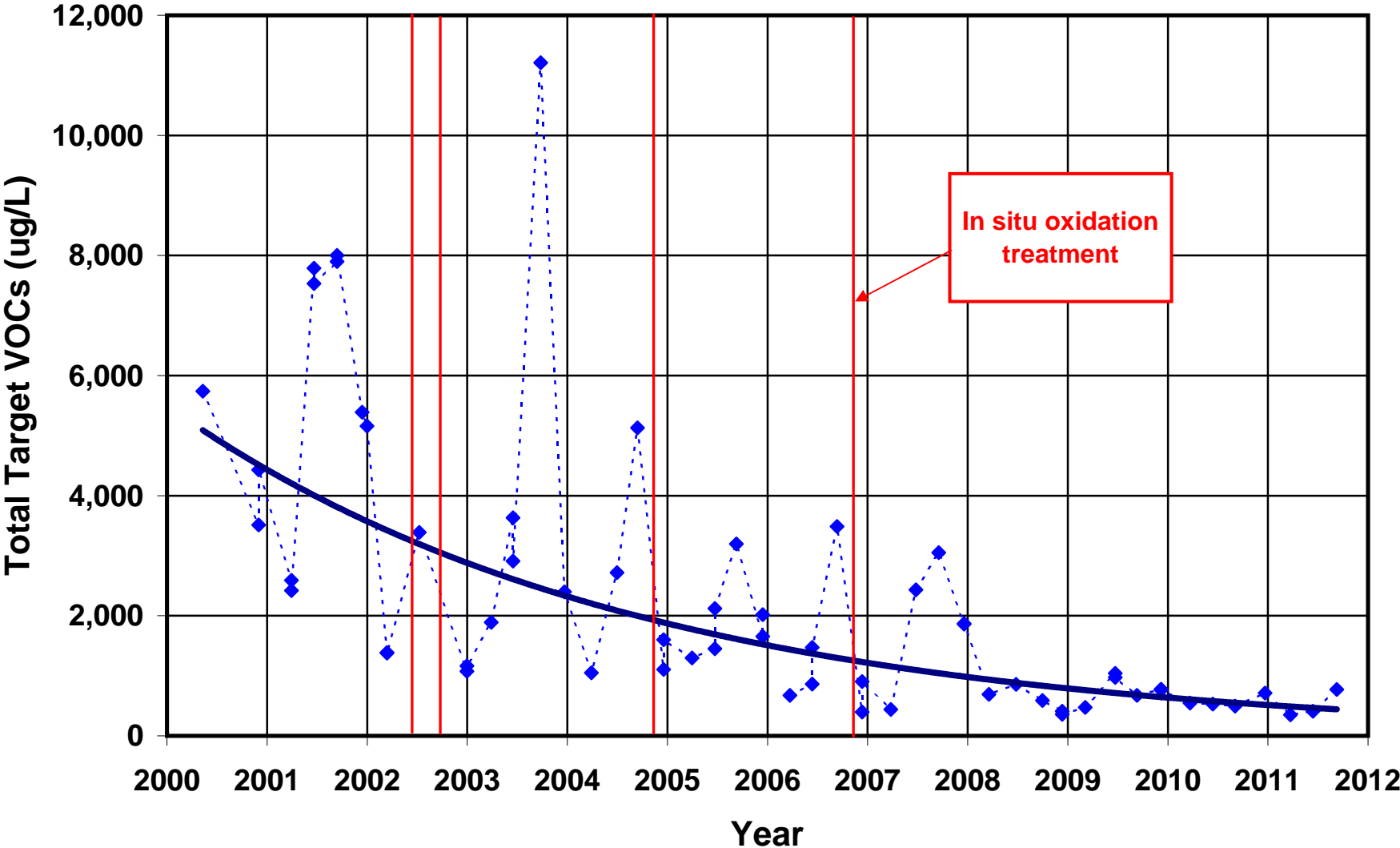
Data qualifiers:

U - not detected at indicated reporting limit

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**  
**SEPTEMBER 2011**

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

Reporting Month & Year **Sep-11**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		<b>5,580</b>	<b>gpd</b>		<b>Continuous</b>	<b>Meter</b>
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	<b>7.08</b>	<b>7.71</b>	<b>s.u.</b>		<b>11</b>	<b>Grab</b>
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		<b>&lt; 6.7</b>	<b>mg/L</b>	<b>&lt; 0.31</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; 0.00005</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; 0.00005</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; 0.00005</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; 0.00005</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; 0.00005</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; 0.00005</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		<b>&lt; 0.15</b>	<b>ug/L</b>	<b>&lt; 0.000007</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		<b>1.9</b>	<b>ug/L</b>	<b>0.00009</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		99	ug/L		Monthly	Grab

**ATTACHMENT B**  
**ANALYTICAL LABORATORY REPORT**  
**INFLUENT AND EFFLUENT SAMPLING – SEPTEMBER 2011**

# 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: 180-3978-1

Client Project/Site: Buffalo Airport

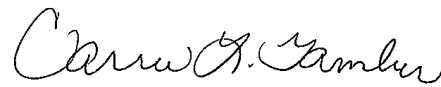
For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

09/27/2011 07:52:34 AM

Carrie Gamber

Project Manager II

[carrie.gamber@testamericainc.com](mailto:carrie.gamber@testamericainc.com)

### LINKS

Review your project  
results through

Total Access

Have a Question?



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[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.*





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# Case Narrative

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3978-1

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**Job ID: 180-3978-1**

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**Laboratory: TestAmerica Pittsburgh**

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**Narrative**

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**Job Narrative**  
**180-3978-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 624: The following sample(s) was diluted due to the abundance of target analytes: IFF0911 (180-3978-2). Elevated reporting limits (RLs) are provided. Batch #15179.

No other analytical or quality issues were noted.

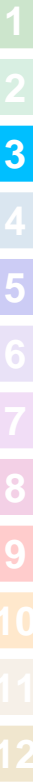
**Metals**

No analytical or quality issues were noted.

**General Chemistry**

Method(s) SM 2540D: Elevated reporting limits are provided for the following sample due to insufficient sample provided for analysis for method 2540D in batch 14422: EFF0911 (180-3978-1)

No other analytical or quality issues were noted.



# Definitions/Glossary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3978-1

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

### General Chemistry

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

## 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
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
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: 180-3978-1

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

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



# Sample Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3978-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-3978-1	EFF0911	Water	09/15/11 09:00	09/16/11 10:00
180-3978-2	IFF0911	Water	09/15/11 09:00	09/16/11 10:00

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# Method Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3978-1

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

**Protocol References:**

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

EPA = US Environmental Protection Agency

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

**Laboratory References:**

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

# Client Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3978-1

**Client Sample ID: EFF0911**

**Lab Sample ID: 180-3978-1**

Date Collected: 09/15/11 09:00

Matrix: Water

Date Received: 09/16/11 10:00

### 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			09/23/11 21:10	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			09/23/11 21:10	1
Toluene	1.0	U	1.0	0.15	ug/L			09/23/11 21:10	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			09/23/11 21:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/23/11 21:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/23/11 21:10	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		58 - 135		09/23/11 21:10	1
4-Bromofluorobenzene (Surr)	90		62 - 123		09/23/11 21:10	1
Toluene-d8 (Surr)	90		71 - 118		09/23/11 21:10	1
Dibromofluoromethane (Surr)	110		64 - 128		09/23/11 21:10	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		09/20/11 11:02	09/21/11 15:02	1
Chromium	1.9	J	5.0	0.51	ug/L		09/20/11 11:02	09/21/11 15:02	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	6.7	U	6.7	3.3	mg/L			09/17/11 16:43	1
pH	7.44	HF	0.100	0.100	SU			09/17/11 16:23	1

**Client Sample ID: IFF0911**

**Lab Sample ID: 180-3978-2**

Date Collected: 09/15/11 09:00

Matrix: Water

Date Received: 09/16/11 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	14	J	25	3.7	ug/L			09/23/11 21:34	25
Tetrachloroethene	25	U	25	3.7	ug/L			09/23/11 21:34	25
Toluene	110		25	3.8	ug/L			09/23/11 21:34	25
1,1,1-Trichloroethane	25	U	25	7.2	ug/L			09/23/11 21:34	25
Trichloroethene	460		25	3.6	ug/L			09/23/11 21:34	25
Vinyl chloride	13	J	25	5.7	ug/L			09/23/11 21:34	25
1,2-Dichlorobenzene	25	U	25	3.8	ug/L			09/23/11 21:34	25
cis-1,2-Dichloroethene	160		25	5.9	ug/L			09/23/11 21:34	25

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		58 - 135		09/23/11 21:34	25
4-Bromofluorobenzene (Surr)	89		62 - 123		09/23/11 21:34	25
Toluene-d8 (Surr)	93		71 - 118		09/23/11 21:34	25
Dibromofluoromethane (Surr)	112		64 - 128		09/23/11 21:34	25

### 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		09/20/11 11:02	09/21/11 15:22	1
Chromium	4.1	J	5.0	0.51	ug/L		09/20/11 11:02	09/21/11 15:22	1
Lead	3.0	U	3.0	1.3	ug/L		09/20/11 11:02	09/21/11 15:22	1

# Client Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3978-1

**Client Sample ID: IFF0911**  
**Date Collected: 09/15/11 09:00**  
**Date Received: 09/16/11 10:00**

**Lab Sample ID: 180-3978-2**  
**Matrix: Water**

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.67	HF	0.100	0.100	SU			09/17/11 16:26	1

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# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3978-1

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

**Lab Sample ID: MB 180-15179/3**

**Matrix: Water**

**Analysis Batch: 15179**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			09/23/11 19:58	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			09/23/11 19:58	1
Toluene	1.0	U	1.0	0.15	ug/L			09/23/11 19:58	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			09/23/11 19:58	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			09/23/11 19:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			09/23/11 19:58	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		58 - 135		09/23/11 19:58	1
4-Bromofluorobenzene (Surr)	83		62 - 123		09/23/11 19:58	1
Toluene-d8 (Surr)	87		71 - 118		09/23/11 19:58	1
Dibromofluoromethane (Surr)	111		64 - 128		09/23/11 19:58	1

**Lab Sample ID: LCS 180-15179/5**

**Matrix: Water**

**Analysis Batch: 15179**

**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	21.3		ug/L		107	60 - 140
Tetrachloroethene	20.0	22.3		ug/L		111	73 - 127
Toluene	20.0	20.0		ug/L		100	74 - 126
Trichloroethene	20.0	21.2		ug/L		106	73 - 125
1,2-Dichlorobenzene	20.0	19.8		ug/L		99	68 - 127
cis-1,2-Dichloroethene	20.0	21.8		ug/L		109	69 - 127

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		58 - 135
4-Bromofluorobenzene (Surr)	95		62 - 123
Toluene-d8 (Surr)	102		71 - 118
Dibromofluoromethane (Surr)	111		64 - 128

**Lab Sample ID: 180-3978-1 MS**

**Matrix: Water**

**Analysis Batch: 15179**

**Client Sample ID: EFF0911**

**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	19.5		ug/L		98	60 - 140
Tetrachloroethene	1.0	U	20.0	20.8		ug/L		104	73 - 127
Toluene	1.0	U	20.0	18.6		ug/L		93	74 - 126
Trichloroethene	1.0	U	20.0	20.9		ug/L		104	73 - 125
1,2-Dichlorobenzene	1.0	U	20.0	20.0		ug/L		100	68 - 127
cis-1,2-Dichloroethene	1.0	U	20.0	20.2		ug/L		101	69 - 127

Surrogate	MS % Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		58 - 135
4-Bromofluorobenzene (Surr)	87		62 - 123
Toluene-d8 (Surr)	93		71 - 118
Dibromofluoromethane (Surr)	93		64 - 128

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3978-1

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

**Lab Sample ID: 180-3978-1 MSD**

**Matrix: Water**

**Analysis Batch: 15179**

**Client Sample ID: EFF0911**

**Prep Type: Total/NA**

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Methylene Chloride	1.0	U	20.0	19.3		ug/L		97	60 - 140	1	25
Tetrachloroethene	1.0	U	20.0	22.4		ug/L		112	73 - 127	7	25
Toluene	1.0	U	20.0	19.8		ug/L		99	74 - 126	6	25
1,1,1-Trichloroethane	1.0		20.0	22.5		ug/L		113	75 - 125	4	25
Trichloroethene	1.0	U	20.0	22.0		ug/L		110	73 - 125	5	25
Vinyl chloride	1.2		20.0	19.7		ug/L		92	30 - 140	4	35
1,2-Dichlorobenzene	1.0	U	20.0	20.3		ug/L		102	68 - 127	2	35
cis-1,2-Dichloroethene	1.0	U	20.0	20.7		ug/L		103	69 - 127	2	20

Surrogate	MSD	MSD	Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		58 - 135
4-Bromofluorobenzene (Surr)	93		62 - 123
Toluene-d8 (Surr)	98		71 - 118
Dibromofluoromethane (Surr)	100		64 - 128

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

**Lab Sample ID: MB 180-14638/1-A**

**Matrix: Water**

**Analysis Batch: 14915**

**Client Sample ID: Method Blank**

**Prep Type: Total Recoverable**

**Prep Batch: 14638**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.15	ug/L		09/20/11 11:02	09/21/11 13:15	1
Chromium	5.0	U	5.0	0.51	ug/L		09/20/11 11:02	09/21/11 13:15	1
Lead	3.0	U	3.0	1.3	ug/L		09/20/11 11:02	09/21/11 13:15	1

**Lab Sample ID: LCS 180-14638/2-A**

**Matrix: Water**

**Analysis Batch: 14915**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total Recoverable**

**Prep Batch: 14638**

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec.	
							Result	Qualifier
Cadmium	50.0	50.6		ug/L		101	85 - 115	
Chromium	200	204		ug/L		102	85 - 115	
Lead	500	525		ug/L		105	85 - 115	

**Lab Sample ID: 180-3978-1 MS**

**Matrix: Water**

**Analysis Batch: 14915**

**Client Sample ID: EFF0911**

**Prep Type: Total Recoverable**

**Prep Batch: 14638**

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	% Rec	% Rec.	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Cadmium	5.0	U	50.0	49.3		ug/L		99	70 - 130	
Chromium	1.9	J	200	206		ug/L		102	70 - 130	
Lead	3.0		500	530		ug/L		106	70 - 130	

**Lab Sample ID: 180-3978-1 MSD**

**Matrix: Water**

**Analysis Batch: 14915**

**Client Sample ID: EFF0911**

**Prep Type: Total Recoverable**

**Prep Batch: 14638**

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Cadmium	5.0	U	50.0	50.3		ug/L		101	70 - 130	2	20

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3978-1

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

Lab Sample ID: 180-3978-1 MSD  
Matrix: Water  
Analysis Batch: 14915

Client Sample ID: EFF0911  
Prep Type: Total Recoverable  
Prep Batch: 14638

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Chromium	1.9	J	200	208		ug/L		103	70 - 130	1	20
Lead	3.0		500	542		ug/L		108	70 - 130	2	20

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

Lab Sample ID: MB 180-14422/2  
Matrix: Water  
Analysis Batch: 14422

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	4.0	U	4.0	2.0	mg/L			09/17/11 15:08	1

Lab Sample ID: LCS 180-14422/1  
Matrix: Water  
Analysis Batch: 14422

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

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec.
		Result	Qualifier				Limits
Total Suspended Solids	73.7	84.0		mg/L		114	80 - 120

Lab Sample ID: 180-3971-D-5 DU  
Matrix: Water  
Analysis Batch: 14422

Client Sample ID: Duplicate  
Prep Type: Total/NA

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

## Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-14428/1  
Matrix: Water  
Analysis Batch: 14428

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

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

Lab Sample ID: 180-3978-1 DU  
Matrix: Water  
Analysis Batch: 14428

Client Sample ID: EFF0911  
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
pH	7.44	HF	7.470		SU		0.4	2

# QC Association Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3978-1

## GC/MS VOA

### Analysis Batch: 15179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3978-1	EFF0911	Total/NA	Water	624	
180-3978-1 MS	EFF0911	Total/NA	Water	624	
180-3978-1 MSD	EFF0911	Total/NA	Water	624	
180-3978-2	IFF0911	Total/NA	Water	624	
LCS 180-15179/5	Lab Control Sample	Total/NA	Water	624	
MB 180-15179/3	Method Blank	Total/NA	Water	624	

## Metals

### Prep Batch: 14638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3978-1	EFF0911	Total Recoverable	Water	200.7	
180-3978-1 MS	EFF0911	Total Recoverable	Water	200.7	
180-3978-1 MSD	EFF0911	Total Recoverable	Water	200.7	
180-3978-2	IFF0911	Total Recoverable	Water	200.7	
LCS 180-14638/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-14638/1-A	Method Blank	Total Recoverable	Water	200.7	

### Analysis Batch: 14915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3978-1	EFF0911	Total Recoverable	Water	200.7 Rev 4.4	14638
180-3978-1 MS	EFF0911	Total Recoverable	Water	200.7 Rev 4.4	14638
180-3978-1 MSD	EFF0911	Total Recoverable	Water	200.7 Rev 4.4	14638
180-3978-2	IFF0911	Total Recoverable	Water	200.7 Rev 4.4	14638
LCS 180-14638/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	14638
MB 180-14638/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	14638

## General Chemistry

### Analysis Batch: 14422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3971-D-5 DU	Duplicate	Total/NA	Water	SM 2540D	
180-3978-1	EFF0911	Total/NA	Water	SM 2540D	
LCS 180-14422/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-14422/2	Method Blank	Total/NA	Water	SM 2540D	

### Analysis Batch: 14428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3978-1	EFF0911	Total/NA	Water	SM 4500 H+ B	
180-3978-1 DU	EFF0911	Total/NA	Water	SM 4500 H+ B	
180-3978-2	IFF0911	Total/NA	Water	SM 4500 H+ B	
LCS 180-14428/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

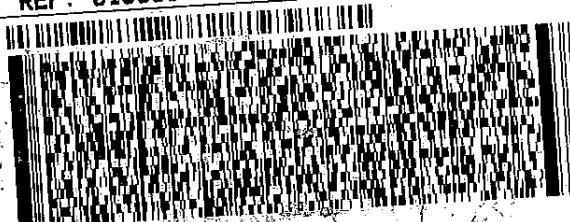
INFOTRAC 800-535-5053

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

SHIP DATE: 16SEP11  
ACTWGT: 25.0 LB MAN  
CAD: 68417/CAFE2507  
DIMS: 25x14x10 IN  
BILL SENDER

TO DAVE DUNLOP  
TESTAMERICA  
301 ALPHA DRIVE

PITTSBURGH PA 152381330  
(412) 963-7056  
REF: 018036 BOLLER



FedEx  
Express



580C2/4299/18BC

J11131106060125

FRI - 16 SEP A2  
STANDARD OVERNIGHT

TRK# 9803 8534 8995  
0201

XH AGCA

15238  
PA-US PIT



Part # 154254-354 RITZ 06/11

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2978 0.8

CHAIN OF CUSTODY RECORD



CONESTOGA ROVERS & ASSOCIATES

*Barry Altaga Falls Blvd  
Altaga Falls NY 14830*

SHIPPED TO (Laboratory Name):

*Test America*

REFERENCE NUMBER: *018236*

*Via Car*

SAMPLERS SIGNATURE: \_\_\_\_\_ PRINTED NAME: \_\_\_\_\_

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS
<i>9511</i>	<i>9:00</i>		<i>MEFF8911</i>	<i>water</i>	<i>3</i>	<i>PH TSS Cd Cr Pb</i>	
<i>9511</i>	<i>9:00</i>		<i>IFH0911</i>	<i>water</i>	<i>3</i>	<i>PH TSS Cd Cr Pb</i>	

TOTAL NUMBER OF CONTAINERS

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
<i>Bill Boill</i>	<i>9-16-11</i>	<i>9:00am</i>			

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:

*[Signature]*  
DATE: *9/16/11* TIME: *10:00*

**NO. 25335**

## Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-3978-1

Login Number: 3978

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Oakley, Jason

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 – SEPTEMBER 2011**



# 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: 180-3787-1

Client Project/Site: Buffalo Airport

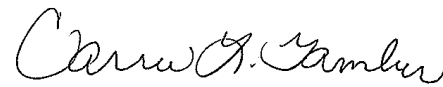
For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

09/27/2011 07:08:31 AM

Carrie Gamber

Project Manager II

[carrie.gamber@testamericainc.com](mailto:carrie.gamber@testamericainc.com)

### LINKS

Review your project  
results through

Total Access

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.*



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# Case Narrative

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3787-1

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**Job ID: 180-3787-1**

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**Laboratory: TestAmerica Pittsburgh**

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**Narrative**

**Job Narrative**  
**180-3787-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

Sample WG-18036-090911-MW32 was analyzed undiluted and at a dilution. Both sets of data are reported.

No other analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.



# Definitions/Glossary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3787-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
E	Result exceeded calibration range.

### Metals

Qualifier	Qualifier Description
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
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
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: 180-3787-1

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

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



# Sample Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3787-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-3787-1	WG-18036-090911-MW32	Water	09/09/11 08:00	09/10/11 09:30
180-3787-2	TB-18036-090911	Water	09/09/11 00:00	09/10/11 09:30

- 1
- 2
- 3
- 4
- 5
- 6
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- 9
- 10
- 11

# Method Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3787-1

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: 180-3787-1

**Client Sample ID: WG-18036-090911-MW32**

**Lab Sample ID: 180-3787-1**

Date Collected: 09/09/11 08:00

Matrix: Water

Date Received: 09/10/11 09:30

**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			09/19/11 15:20	1
Vinyl chloride	32		5.0	1.3	ug/L			09/19/11 15:20	1
cis-1,2-Dichloroethene	330	E	5.0	0.67	ug/L			09/19/11 15:20	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			09/19/11 15:20	1
Trichloroethene	410	E	5.0	0.80	ug/L			09/19/11 15:20	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		62 - 123		09/19/11 15:20	1
Toluene-d8 (Surr)	107		80 - 120		09/19/11 15:20	1
4-Bromofluorobenzene (Surr)	109		75 - 120		09/19/11 15:20	1
Dibromofluoromethane (Surr)	109		80 - 120		09/19/11 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	10	U	10	1.7	ug/L			09/19/11 16:12	2
Vinyl chloride	31		10	2.6	ug/L			09/19/11 16:12	2
cis-1,2-Dichloroethene	330		10	1.3	ug/L			09/19/11 16:12	2
1,1,1-Trichloroethane	10	U	10	2.1	ug/L			09/19/11 16:12	2
Trichloroethene	410		10	1.6	ug/L			09/19/11 16:12	2

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		62 - 123		09/19/11 16:12	2
Toluene-d8 (Surr)	105		80 - 120		09/19/11 16:12	2
4-Bromofluorobenzene (Surr)	107		75 - 120		09/19/11 16:12	2
Dibromofluoromethane (Surr)	111		80 - 120		09/19/11 16:12	2

**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		09/13/11 11:24	09/15/11 20:03	1
Lead	3.0	U	3.0	1.3	ug/L		09/13/11 11:24	09/15/11 20:03	1

**Client Sample ID: TB-18036-090911**

**Lab Sample ID: 180-3787-2**

Date Collected: 09/09/11 00:00

Matrix: Water

Date Received: 09/10/11 09:30

**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			09/19/11 17:00	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			09/19/11 17:00	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			09/19/11 17:00	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			09/19/11 17:00	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			09/19/11 17:00	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		62 - 123		09/19/11 17:00	1
Toluene-d8 (Surr)	109		80 - 120		09/19/11 17:00	1
4-Bromofluorobenzene (Surr)	108		75 - 120		09/19/11 17:00	1
Dibromofluoromethane (Surr)	113		80 - 120		09/19/11 17:00	1



# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3787-1

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

**Lab Sample ID: MB 180-14534/3**

**Matrix: Water**

**Analysis Batch: 14534**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Toluene	5.0	U	5.0	0.85	ug/L			09/19/11 12:52	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			09/19/11 12:52	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			09/19/11 12:52	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			09/19/11 12:52	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			09/19/11 12:52	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	100		62 - 123		09/19/11 12:52	1
Toluene-d8 (Surr)	110		80 - 120		09/19/11 12:52	1
4-Bromofluorobenzene (Surr)	101		75 - 120		09/19/11 12:52	1
Dibromofluoromethane (Surr)	97		80 - 120		09/19/11 12:52	1

**Lab Sample ID: LCS 180-14534/5**

**Matrix: Water**

**Analysis Batch: 14534**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Toluene	40.0	44.3		ug/L		111	80 - 124
Vinyl chloride	40.0	49.0		ug/L		122	57 - 128
cis-1,2-Dichloroethene	40.0	42.6		ug/L		107	82 - 116
1,1,1-Trichloroethane	40.0	45.5		ug/L		114	69 - 134
Trichloroethene	40.0	40.5		ug/L		101	80 - 120

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		62 - 123
Toluene-d8 (Surr)	110		80 - 120
4-Bromofluorobenzene (Surr)	104		75 - 120
Dibromofluoromethane (Surr)	106		80 - 120

**Lab Sample ID: 180-3785-I-1 MS**

**Matrix: Water**

**Analysis Batch: 14534**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	% Rec	% Rec. Limits
	Result	Qualifier		Result	Qualifier				
Toluene	1.4	J	40.0	44.7		ug/L		108	80 - 124
Vinyl chloride	5.0	U	40.0	43.8		ug/L		110	57 - 128
cis-1,2-Dichloroethene	5.0	U	40.0	40.4		ug/L		101	82 - 116
1,1,1-Trichloroethane	5.0	U	40.0	36.6		ug/L		91	69 - 134
Trichloroethene	5.0	U	40.0	38.9		ug/L		97	80 - 120

Surrogate	MS MS		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		62 - 123
Toluene-d8 (Surr)	107		80 - 120
4-Bromofluorobenzene (Surr)	102		75 - 120
Dibromofluoromethane (Surr)	103		80 - 120

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3787-1

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

Lab Sample ID: 180-3785-I-1 MSD

Matrix: Water

Analysis Batch: 14534

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample		Spike Added	MSD		Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Toluene	1.4	J	40.0	44.1		ug/L		107	80 - 124	1	20
Vinyl chloride	5.0	U	40.0	45.4		ug/L		113	57 - 128	4	26
cis-1,2-Dichloroethene	5.0	U	40.0	40.6		ug/L		102	82 - 116	1	20
1,1,1-Trichloroethane	5.0	U	40.0	37.7		ug/L		94	69 - 134	3	24
Trichloroethene	5.0	U	40.0	38.4		ug/L		96	80 - 120	1	20

Surrogate	MSD		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		62 - 123
Toluene-d8 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	100		75 - 120
Dibromofluoromethane (Surr)	102		80 - 120

## Method: 6010B - Metals (ICP)

Lab Sample ID: MB 180-13834/1-A

Matrix: Water

Analysis Batch: 14247

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13834

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.13	ug/L		09/13/11 11:24	09/15/11 18:16	1
Lead	3.0	U	3.0	1.3	ug/L		09/13/11 11:24	09/15/11 18:16	1

Lab Sample ID: LCS 180-13834/2-A

Matrix: Water

Analysis Batch: 14247

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13834

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	RPD
Cadmium	50.0	49.8		ug/L		100	80 - 120	
Lead	500	519		ug/L		104	80 - 120	

Lab Sample ID: 180-3749-B-7-E MS

Matrix: Water

Analysis Batch: 14247

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 13834

Analyte	Sample		Spike Added	MS		Unit	D	% Rec	% Rec.	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Cadmium	5.0	U	50.0	49.4		ug/L		99	75 - 125	
Lead	3.0	U	500	528		ug/L		106	75 - 125	

Lab Sample ID: 180-3749-B-7-F MSD

Matrix: Water

Analysis Batch: 14247

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 13834

Analyte	Sample		Spike Added	MSD		Unit	D	% Rec	% Rec.		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Cadmium	5.0	U	50.0	49.2		ug/L		98	75 - 125	1	20
Lead	3.0	U	500	524		ug/L		105	75 - 125	1	20

# QC Association Summary

Client: Leo Brausch Consulting  
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-3787-1

## GC/MS VOA

### Analysis Batch: 14534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3785-I-1 MS	Matrix Spike	Total/NA	Water	8260B	
180-3785-I-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
180-3787-1 - DL	WG-18036-090911-MW32	Total/NA	Water	8260B	
180-3787-1	WG-18036-090911-MW32	Total/NA	Water	8260B	
180-3787-2	TB-18036-090911	Total/NA	Water	8260B	
LCS 180-14534/5	Lab Control Sample	Total/NA	Water	8260B	
MB 180-14534/3	Method Blank	Total/NA	Water	8260B	

## Metals

### Prep Batch: 13834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3749-B-7-E MS	Matrix Spike	Total/NA	Water	3010A	
180-3749-B-7-F MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
180-3787-1	WG-18036-090911-MW32	Total/NA	Water	3010A	
LCS 180-13834/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 180-13834/1-A	Method Blank	Total/NA	Water	3010A	

### Analysis Batch: 14247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-3749-B-7-E MS	Matrix Spike	Total/NA	Water	6010B	13834
180-3749-B-7-F MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	13834
180-3787-1	WG-18036-090911-MW32	Total/NA	Water	6010B	13834
LCS 180-13834/2-A	Lab Control Sample	Total/NA	Water	6010B	13834
MB 180-13834/1-A	Method Blank	Total/NA	Water	6010B	13834

## Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-3787-1

**Login Number: 3787**

**List Source: TestAmerica Pittsburgh**

**List Number: 1**

**Creator: Blotzer, Tristan**

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	

