



CBS Corporation

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

Via Electronic and First-Class Mail

October 29, 2015

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: Quarterly Progress Report, July through September 2015
NYSDEC Site 9-15-066, Cheektowaga, New York**

Dear Mr. Locey:

On behalf of CBS Corporation (CBS) and the Niagara Frontier Transportation Authority (NFTA), CBS submits this progress report on activities undertaken during the third quarter of 2015 at New York State Department of Environmental Conservation (NYSDEC) Site No. 9-15-066 in Cheektowaga, New York (the Site) pursuant to the Order on Consent and Settlement Agreement, Index No. B9-0381-91-8, entered with NYSDEC (the Order). Under agreements among the Respondents to the Order, CBS is managing the Remedial Program, including the post-closure monitoring related to the Operable Unit 2 (OU2) groundwater collection and treatment system. This progress report also provides the results from the fourth round of post-closure groundwater and storm sewer (surface water) monitoring.

1. Site Activities and Status

- A. On July 31, 2015, CBS submitted to NYSDEC a quarterly progress report on the status of activities at the Site during the second quarter of 2015 (*i.e.*, April through June 2015).
- B. On September 10, 2015, GHD Services, Inc. (GHD) conducted the fourth round of quarterly post-closure groundwater and storm sewer (surface water) sampling.
- C. TestAmerica Laboratories, Inc. (TestAmerica) completed the analyses of the groundwater and storm sewer (surface water) samples that were collected on September 10, 2015. GHD conducted data validation and usability evaluations.

2. Sampling Results and Other Site Data

- A. Table 1 presents groundwater elevations over the course of post-closure groundwater monitoring, including the most recent (September 10, 2015) measurements.
- B. Table 2 presents the results of the September 2015 groundwater sampling. As shown in this table, except for vinyl chloride at well MW-32, none of the monitored volatile organic compounds (VOCs) or metals was detected at concentrations above their respective remedial action objective (RAO). Well MW-32 historically exhibited elevated VOC concentrations, and groundwater at this location was the focus of an *in situ* chemical oxidation treatment program that resulted in substantial decreases in VOC concentrations.
- C. Tables 3 through 5 present the results of the September 2015 surface water sampling. Sampling locations are shown in Figure 1. As indicated in these tables, low constituent concentrations are evident in the area of the 001 segment of the former collection system and the western portion of the 003 segment (*i.e.*, Manholes MH-3B and MH-3C). Higher (and variable) constituent concentrations are present in the area of the 002 segment and the eastern portion of the 003 segment (*i.e.*, Manhole MH-3A). Additional rounds of data are needed to assess trends in post-closure constituent concentrations in surface water.
- D. Attachments A and B provide the analytical laboratory reports for the groundwater and storm sewer samples collected in September 2015, respectively.
- E. Attachment C provides the data validation and usability evaluation for the samples collected in September 2015.

3. Upcoming Activities

- A. CBS will continue the quarterly OU2 post-closure groundwater and storm sewer monitoring.
- B. As analytical data are developed and evaluated, GHD will submit electronic data deliverables (EDDs) for incorporation of Site data into the NYSDEC EQuIS database.¹

¹ The EDD for the September 2015 groundwater and surface water sampling data was submitted to NYSDEC on October 19, 2015.

Mr. David P. Locey

October 29, 2015

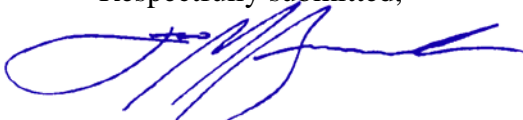
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4. Technical and Schedule Issues

- A. There are no unresolved technical or operational issues affecting the OU2 post-closure groundwater and storm sewer monitoring.

We trust this submittal satisfies your requirements at this time. If you have questions regarding this progress report or other project matters, please do not hesitate to contact me.

Respectfully submitted,



Leo M. Brausch
Consultant/Project Engineer
Environmental Remediation

LMB:
Attachments

cc: Tim Carvana, NFTA
M. G. Graham, Esq.
K. P. Lynch, CRA
S. J. Ricca, Esq.
W. D. Wall, Esq.

TABLES

Table 1
Groundwater Elevations
Site No. 9-15-066, Cheektowaga, New York

| Date of Measurement | MW-2 | MW-5 | MW-28 | MW-30 | MW-31 | MW-32 | MW-33 | MW-34 | MW-34D | MW-35 |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Depth to Groundwater (ft-TOC) | | | | | | | | | | |
| 04/24/08 | NM | 2.91 | 5.94 | 5.33 | 3.18 | NM | NM | 3.51 | 5.4 | NM |
| 06/14/11 | 7.10 | 2.81 | 5.86 | 4.82 | 4.05 | 1.60 | 5.04 | 3.78 | 6.23 | 13.29 |
| 11/24/14 | 6.28 | 1.90 | 5.50 | 5.17 | 3.46 | 0.25 | 5.11 | 3.37 | 0.25 | 12.91 |
| 04/01/15 | 6.87 | 2.59 | 5.85 | 3.92 | 5.01 | 0.44 | 5.18 | 2.65 | 0.06 | 12.22 |
| 06/18/15 | 6.70 | 2.30 | 5.76 | 3.32 | 3.32 | 0.96 | 5.02 | 2.90 | 3.38 | 12.90 |
| 09/10/15 | 7.34 | 2.60 | 5.89 | 5.82 | 3.88 | 1.48 | 5.22 | 3.80 | 5.22 | 13.69 |
| Groundwater Elevation (ft-msl) | | | | | | | | | | |
| 04/24/08 | NA | 685.30 | 682.33 | 689.48 | 684.04 | NA | NA | 699.42 | 696.39 | NA |
| 06/14/11 | 684.71 | 685.40 | 682.41 | 689.99 | 683.17 | 709.11 | 707.46 | 699.15 | 695.56 | 685.17 |
| 11/24/14 | 685.53 | 686.31 | 682.77 | 689.64 | 683.76 | 710.46 | 707.39 | 699.56 | 701.54 | 685.55 |
| 04/01/15 | 684.94 | 685.62 | 682.42 | 690.89 | 682.21 | 710.27 | 707.32 | 700.28 | 701.73 | 686.24 |
| 06/18/15 | 685.11 | 685.91 | 682.51 | 691.49 | 683.90 | 709.75 | 707.48 | 700.03 | 698.41 | 685.56 |
| 09/10/15 | 684.47 | 683.33 | 682.38 | 688.99 | 683.34 | 709.23 | 707.28 | 699.13 | 696.57 | 684.77 |

Notes:

1. "NM" indicates water level not measured.
2. "NA" indicates groundwater elevation data not available.

Table 2
Summary of Post-Closure Groundwater Monitoring Data
NYSDEC Site No. 9-15-066, Cheektowaga, New York

| Well Number | Date of Sampling | Constituent Concentration (µg/L) | | | | | | |
|----------------------------------|------------------|----------------------------------|----------|-----------------------|-------------------|----------------|---------------|--------------|
| | | cis-1,2-dichloroethylene | Toluene | 1,1,1-trichloroethane | Trichloroethylene | Vinyl Chloride | Cadmium | Lead |
| Remedial Action Objective | | 5 | 5 | 5 | 5 | 2 | 5 | 25 |
| MW-2 | 11/24/14 | 0.47 J | 1 U | 1 U | 1 U | 0.54 J | 5 U | 3.6 J |
| | 04/01/15 | 0.32 J | 1 U | 1 U | 1 U | 1 U | 0.52 J | 10 U |
| | 06/18/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 09/10/15 | 0.32 J | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| MW-5 | 11/24/14 | 1 U | 1 U | 1 U | 0.71 J | 1 U | 5 U | 2.6 J |
| | 11/24/14 (dup) | 1 U | 1 U | 1 U | 0.66 J | 1 U | 5 U | 2.6 J |
| | 04/01/15 | 1 U | 1 U | 1 U | 0.88 J | 1 U | 0.21 J | 10 U |
| | 06/18/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 120 |
| | 09/10/15 | 1 U | 1 U | 1 U | 0.80 J | 1 U | 5 U | 10 U |
| MW-28 | 11/24/14 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 11 J |
| | 04/01/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.55 J | 17 B |
| | 06/18/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 3.4 J |
| | 09/10/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 4.9 J |
| MW-30 | 11/24/14 | 1 U | 1 U | 1 U | 0.23 J | 1 U | 5 U | 1.5 J |
| | 04/01/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 06/18/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 09/10/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| MW-31 | 11/24/14 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 6.0 J |
| | 04/01/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.43 J | 20 U |
| | 06/18/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 09/10/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 20 U |

Table 2
Summary of Post-Closure Groundwater Monitoring Data
NYSDEC Site No. 9-15-066, Cheektowaga, New York

| Well Number | Date of Sampling | Constituent Concentration (µg/L) | | | | | | |
|----------------------------------|------------------|----------------------------------|----------|-----------------------|-------------------|----------------|---------------|--------------|
| | | cis-1,2-dichloroethylene | Toluene | 1,1,1-trichloroethane | Trichloroethylene | Vinyl Chloride | Cadmium | Lead |
| Remedial Action Objective | | 5 | 5 | 5 | 5 | 2 | 5 | 25 |
| MW-32 | 11/24/14 | 1.9 | 1 U | 1 U | 1.1 | 1.0 | 5 U | 1.6 J |
| | 04/01/15 | 5.2 | 1 U | 1 U | 0.66 J | 6.0 | 0.17 J | 10 U |
| | 06/18/15 | 0.45 J | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 09/10/15 | 4.5 | 1 U | 1 U | 0.65 J | 7.4 | 5 U | 10 U |
| | 09/10/15 (dup) | 4.5 | 1 U | 1 U | 0.61 J | 6.4 | 5 U | 10 U |
| MW-33 | 11/24/14 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 1.6 J |
| | 04/01/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 06/18/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 09/10/15 | 1 U | 1 U | 1 U | 0.18 J | 1 U | 5 U | 10 U |
| MW-34 | 11/24/14 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 1.2 J |
| | 04/01/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.23 J | 10 U |
| | 06/18/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 1.8 J |
| | 09/10/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 2.0 J |
| MW-34D | 12/02/14 | 1 U | 1 U | 1 U | 1 U | 1 U | 0.13 J | 10 U |
| | 04/01/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 06/18/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 09/10/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| MW-35 | 11/24/14 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 04/01/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 04/01/15 (dup) | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 06/18/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 06/18/15 (dup) | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |
| | 09/10/15 | 1 U | 1 U | 1 U | 1 U | 1 U | 5 U | 10 U |

See notes on following page.

Table 2
Summary of Post-Closure Groundwater Monitoring Data
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Data Legend:

"NA" - indicates not analyzed

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

Concentrations above Remedial Action Objectives are highlighted in yellow.

Data qualifiers:

U - not detected at indicated reporting limit (RL)

J - estimated concentration.

B - analyte detected in corresponding blank sample.

Table 3
NFTA Storm Sewer Sampling Results - 001 System Area
Site No. 9-15-066, Cheektowaga, New York

| Manhole Designation | Date of Sampling | pH (s.u.) | Total Suspended Solids (mg/L) | Cadmium (µg/L) | Chromium (µg/L) | Lead (µg/L) | 1,2-dichlorobenzene (µg/L) | cis-1,2-dichloroethylene (µg/L) | Methylene Chloride (µg/L) | Toluene (µg/L) | Tetrachloroethylene (µg/L) | Trichloroethylene (µg/L) | Vinyl Chloride (µg/L) |
|---------------------|------------------|---------------|-------------------------------|----------------|-----------------|--------------|----------------------------|---------------------------------|---------------------------|----------------|----------------------------|--------------------------|-----------------------|
| MH-1A | 07/14/14 | 7.90 J | 2.4 | 0.61 J | 1.4 J | NA | 1 U | 1 U | 1 U | 1 U | 1.9 | 1 U | NA |
| | 11/24/14 | 7.64 J | 46 | 0.54 J | 3.8 J | 3.1 J | 1 U | 1 U | 1 U | 1 U | 0.25 J | 0.22 J | 1 U |
| | 04/01/15 | 8.01 J | 13 J | 1.1 J | 1.9 J | 10 U | 1 U | 0.24 J | 1 U | 1 U | 1.2 | 0.25 J | 1 U |
| | 06/18/15 | 7.71 J | 3.2 | 2.3 J | 5 U | 10 U | 1 U | 1 U | 1 U | 1 U | 2.4 | 0.25 J | 1 U |
| | 09/10/15 | 7.90 J | 3.6 | 1.3 J | 5 U | 2.2 J | 1 U | 1 U | 1 U | 1 U | 1.0 | 1 U | 1 U |
| MH-1B | 07/14/14 | 8.06 J | 7.6 | 5 U | 5 U | NA | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NA |
| | 11/24/14 | 7.69 J | 5.6 | 5 U | 1.1 J | 1.6 J | 1 U | 1 U | 1 U | 1 U | 1 U | 0.20 J | 1 U |
| | 04/01/15 | 7.96 J | 66 | 0.97 J | 3.7 J | 50 U | 1 U | 0.32 J | 1 U | 1 U | 1 U | 0.53 J | 1 U |
| | 06/18/15 | 8.12 J | 0.5 | 5 U | 5 U | 10 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| | 09/10/15 | 8.16 J | 1.1 | 5 U | 5 U | 10 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| MH-1C | 07/14/14 | 8.18 J | 8.0 | 5 U | 5 U | NA | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | NA |
| | 11/24/14 | 7.82 J | 8.0 | 5 U | 0.78 J | 10 U | 1 U | 1 U | 1 U | 1 U | 1 U | 0.24 J | 1 U |
| | 04/01/15 | 8.10 J | 41 | 0.18 J | 5 U | 10 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| | 06/18/15 | 8.08 J | 7.3 | 5 U | 5 U | 10 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| | 09/10/15 | 8.29 J | 1.5 | 5 U | 5 U | 10 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |

Notes:

1. For manhole locations, see Figure 1.
2. "NA" indicates not available.
3. Data Legend:
 Detections and estimated values are in **bold-face** type.
 Data Qualifiers:
 U - not detected at indicated reporting limit (RL).
 J - estimated concentration.

Table 4
NFTA Storm Sewer Sampling Results - 002 System Area
Site No. 9-15-066, Cheektowaga, New York

| Manhole Designation | Date of Sampling | pH (s.u.) | Total Suspended Solids (mg/L) | Cadmium (µg/L) | Chromium (µg/L) | Lead (µg/L) | 1,2-dichlorobenzene (µg/L) | cis-1,2-dichloroethylene (µg/L) | Methylene Chloride (µg/L) | Toluene (µg/L) | Tetrachloroethylene (µg/L) | Trichloroethylene (µg/L) | Vinyl Chloride (µg/L) |
|---------------------|------------------|-----------|-------------------------------|----------------|-----------------|-------------|----------------------------|---------------------------------|---------------------------|----------------|----------------------------|--------------------------|-----------------------|
| MH-2A | 07/11/14 | 8.69 J | 30 | 5 U | 2.2 J | NA | 1 U | 2.3 | 0.50 JB | 1 U | 1 U | 18 | NA |
| | 11/24/14 | 8.32 J | 2 U | 0.21 J | 3.0 J | 10 U | 1 U | 21 | 4.9 JB | 1 U | 0.98 J | 120 | 1.6 |
| | 04/01/15 | 8.33 J | 3.5 | 5 U | 3.2 J | 1.2 J | 5 U | 19 | 5 U | 5 U | 1.0 J | 70 | 5 U |
| | 06/18/15 | 8.36 J | 0.5 | 5 U | 1.9 J | 1.2 J | 1 U | 11 | 1 U | 1 U | 1.2 | 74 | 1 U |
| | 09/10/15 | 8.29 J | 1.2 | 5 U | 5 U | 2.6 J | 1 U | 4.0 | 1 U | 1 U | 0.55 J | 16 | 1 U |
| MH-2B | 07/11/14 | 11.7 J | 6.4 | 5 U | 5.7 | NA | 2 U | 25 | 1.4 JB | 2 U | 5.7 | 41 | NA |
| | 11/24/14 | 10.4 J | 97 | 5 U | 7.1 | 10 U | 2 U | 27 | 2 U | 2 U | 7.9 | 44 | 1.6 J |
| | 04/01/15 | 11.2 J | 160 | 0.21 J | 7.1 | 50 U | 5 U | 23 | 1 U | 5 U | 7.0 | 82 | 1.7 J |
| | 06/18/15 | 11.4 J | 36 | 5 U | 5.5 | 10 U | 1 U | 31 | 1 U | 0.16 J | 10 | 57 | 1.1 |
| | 09/10/15 | 11.6 J | 39 | 5 U | 5.0 | 11 | 2 U | 29 | 1 U | 2 U | 9.4 | 59 | 1.0 J |
| MH-2C | 07/11/14 | 9.14 J | 310 | 5 U | 6.0 | NA | 2 U | 25 | 1.2 JB | 2 U | 6.6 | 46 | NA |
| | 11/24/14 | 9.17 J | 150 | 0.34 J | 15 | 9.5 J | 1 U | 18 J | 1 U | 1 U | 6.3 J | 30 J | 1.4 |
| | 04/01/15 | 10.6 J | 170 | 0.41 J | 9.0 | 7.4 J | 1 U | 29 J | 0.18 J | 0.26 J | 15 | 66 J | 3.1 |
| | 06/18/15 | 11.5 J | 18 | 5 U | 5.3 | 1.9 J | 1 U | 32 | 1 U | 0.16 J | 12 | 55 | 1.2 |
| | 09/10/15 | 11.7 J | 22 | 5 U | 2.6 J | 6.6 J | 1 U | 25 | 1 U | 1 U | 8.9 | 56 | 0.77 J |
| | 09/10/15 | 11.7 J | 20 | 5 U | 2.5 J | 6.4 J | 1 U | 25 | 1 U | 1 U | 8.8 | 56 | 0.76 J |
| MH-2D | 07/11/14 | 8.80 J | 62 | 5 U | 4.0 J | NA | 1 U | 2.9 | 0.51 JB | 1 U | 0.2 J | 20 | NA |
| | 11/24/14 | 8.76 J | 22 | 5 U | 5.0 | 10 U | 1 U | 53 | 2.5 JB | 1 U | 1.0 | 130 | 4.9 |
| | 04/01/15 | 8.29 J | 50 | 0.26 J | 6.2 | 7.2 J | 1 U | 28 | 1 U | 1 U | 2.3 | 100 | 1.3 |
| | 06/18/15 | 7.93 J | 1.2 | 5 U | 0.88 J | 1.3 J | 1 U | 73 | 1 U | 1 U | 0.87 J | 1,300 | 0.44 J |
| | 09/10/15 | 8.14 J | 24 | 5 U | 5 U | 10 U | 1 U | 5.7 | 1 U | 1 U | 0.75 J | 24 | 1 U |

See notes on following page.

Table 4
NFTA Storm Sewer Sampling Results - 002 System Area
Site No. 9-15-066, Cheektowaga, New York

Notes:

1. For manhole locations, see Figure 1.
2. "NA" indicates not available.
3. Data Legend:

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

Data Qualifiers:

U - not detected at indicated reporting limit (RL).

J - estimated concentration.

B - constituent detected in corresponding blank sample.

Table 5
NFTA Storm Sewer Sampling Results - 003 System Area
Site No. 9-15-066, Cheektowaga, New York

| Manhole Designation | Date of Sampling | pH (s.u.) | Total Suspended Solids (mg/L) | Cadmium (µg/L) | Chromium (µg/L) | Lead (µg/L) | 1,2-dichlorobenzene (µg/L) | cis-1,2-dichloroethylene (µg/L) | Methylene Chloride (µg/L) | Toluene (µg/L) | Tetrachloroethylene (µg/L) | Trichloroethylene (µg/L) | Vinyl Chloride (µg/L) |
|---------------------|------------------|---------------|-------------------------------|----------------|-----------------|--------------|----------------------------|---------------------------------|---------------------------|----------------|----------------------------|--------------------------|-----------------------|
| MH-3A | 07/11/14 | 9.56 J | 2.4 | 5 U | 5.6 | NA | 25 U | 52 | 16 JB | 25 U | 25 U | 370 | NA |
| | 11/24/14 | 8.84 J | 25 | 5 U | 4.2 J | 10 U | 3 U | 30 | 3 U | 3 U | 3 U | 110 | 0.84 J |
| | 04/01/15 | 9.03 J | 1.4 | 0.25 J | 10 | 50 U | 10 U | 15 | 10 U | 10 U | 10 U | 71 | 10 U |
| | 06/18/15 | 8.96 J | 33 | 5 U | 5.6 | 1.7 J | 1 U | 16 | 1 U | 1 U | 0.91 J | 110 | 1 U |
| | 06/18/15 | 8.94 J | 24 | 5 U | 5.8 | 2.8 J | 1 U | 16 | 1 U | 1 U | 0.96 J | 110 | 0.90 J |
| | 09/10/15 | 9.55 J | 19 | 5 U | 2.7 J | 4.5 J | 2 U | 16 | 1 U | 2 U | 2.0 | 64 | 1.6 J |
| MH-3B | 07/11/14 | 8.88 J | 13 | 5 U | 1.4 J | NA | 1 U | 1 U | 0.48 JB | 1 U | 1 U | 0.95 J | NA |
| | 11/24/14 | 8.05 J | 150 | 0.31 J | 13 | 43 | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| | 11/24/14 | 8.01 J | 160 | 0.20 J | 15 | 48 | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| | 04/01/15 | 8.89 J | 7.3 | 0.21 J | 13 | 50 U | 1 U | 1 U | 1 U | 1 U | 1 U | 0.54 J | 1 U |
| | 06/18/15 | 7.81 J | 4.0 | 5 U | 7.5 | 1.2 J | 1 U | 1 U | 1 U | 1 U | 1 U | 0.60 J | 1 U |
| | 09/10/15 | 7.52 J | 150 | 5 U | 4.6 J | 3.7 J | 1 U | 1 U | 1 U | 1 U | 1 U | 1.7 | 1 U |
| MH-3C | 07/11/14 | 8.67 J | 160 | 5 U | 3.1 J | NA | 1 U | 1 U | 0.48 JB | 1 U | 1 U | 1 U | NA |
| | 11/24/14 | 7.84 J | 260 | 0.50 J | 21 | 25 | 1 U | 1 U | 1 U | 1 U | 1 U | 1.8 | 1 U |
| | 04/01/15 | 7.70 J | 1,300 J | 8.9 J | 27 | 100 | 1 U | 1 U | 1 U | 0.39 J | 1 U | 0.62 J | 1 U |
| | 04/01/15 | 7.57 J | 750 | 5.4 J | 31 | 91 | 1 U | 1 U | 1 U | 0.63 J | 1 U | 0.62 J | 1 U |
| | 06/18/15 | 7.68 J | 330 | 5 U | 3.9 J | 2.3 J | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| | 09/10/15 | 7.62 J | 320 | 5 U | 9.0 | 9.9 J | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |

See notes on following page.

Table 5
NFTA Storm Sewer Sampling Results - 003 System Area
Site No. 9-15-066, Cheektowaga, New York

Notes:

1. For manhole locations, see Figure 1.
2. "NA" indicates not available.
3. Data Legend :
 - Detections and estimated values are in **bold-face** type.
 - Data Qualifiers:
 - U* - not detected at indicated reporting limit (RL).
 - J* - estimated concentration.
 - B* - constituent detected in corresponding blank sample.

FIGURE

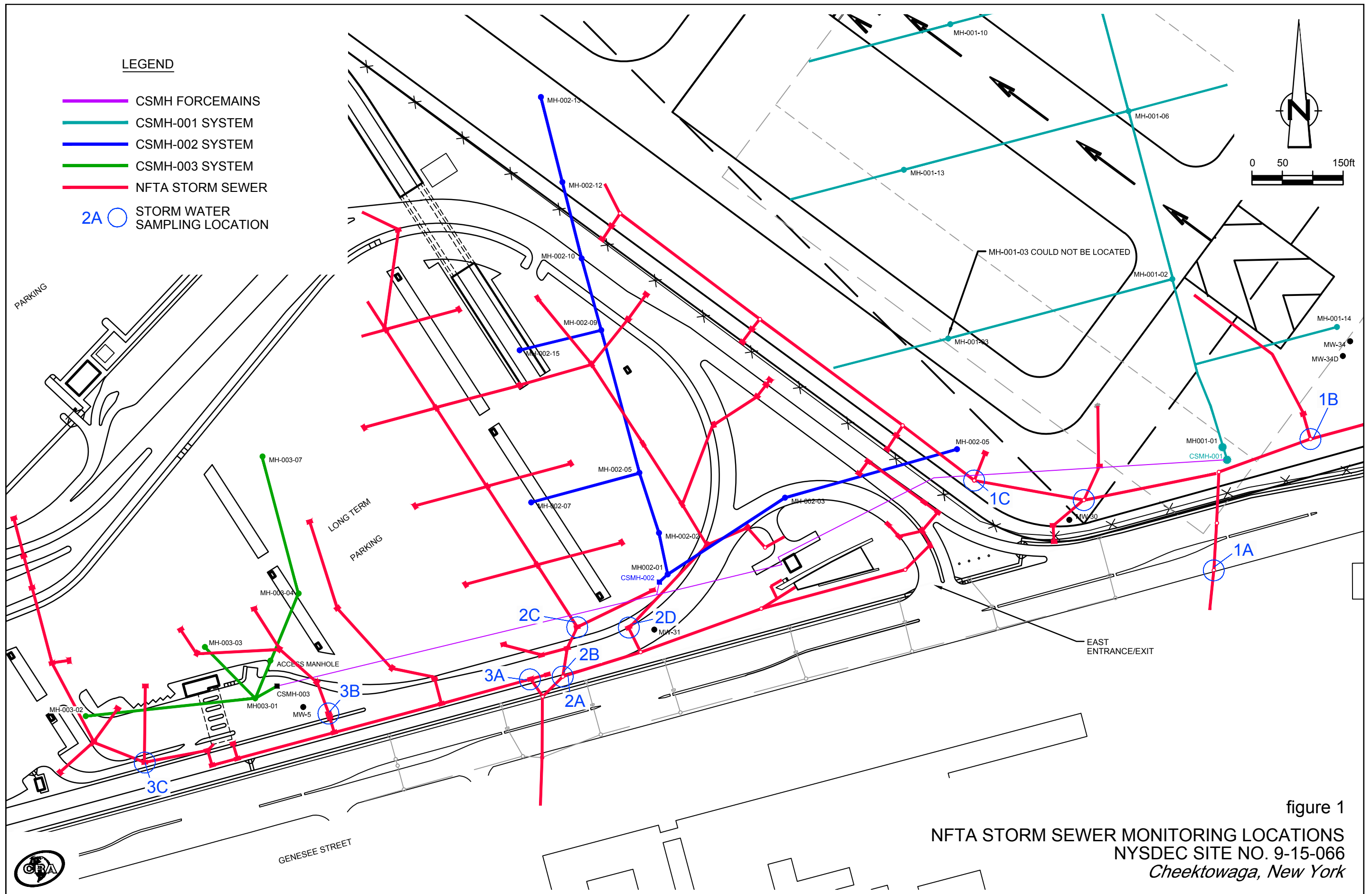


figure 1
 NFTA STORM SEWER MONITORING LOCATIONS
 NYSDEC SITE NO. 9-15-066
 Cheektowaga, New York

ATTACHMENT A
ANALYTICAL LABORATORY REPORT
SEPTEMBER 2015 GROUNDWATER SAMPLING

Groundwater Sampling Key
September 10, 2015
NYSDEC Site No. 9-15-066, Cheektowaga, New York

| Well No. | Sample No. |
|-----------------|------------------------|
| MW-30 | WG-18036-091015-DT-001 |
| MW-35 | WG-18036-091015-SG-002 |
| MW-34D | WG-18036-091015-DT-003 |
| MW-34 | WG-18036-091015-SG-004 |
| MW-33 | WG-18036-091015-DT-005 |
| MW-2 | WG-18036-091015-SG-006 |
| MW-32 | WG-18036-091015-DT-007 |
| MW-28 | WG-18036-091015-SG-008 |
| MW-32 (dup) | WG-18036-091015-DT-009 |
| MW-5 | WG-18036-091015-SG-010 |
| MW-31 | WG-18036-091015-SG-011 |
| Trip Blank | TB-18036-091015-SG |

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: 180-47663-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

9/24/2015 3:33:02 PM

Jill Colussy, Project Manager I

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

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

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Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

Job ID: 180-47663-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative 180-47663-1

Receipt

The samples were received on 9/11/2015 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3° C.

The chain of custody did not list sampling times for TB-18036-091015-SG or WG-18036-091015-SG-011. The earliest sample time was logged in for sample TB-18036-091015-SG and the time on the sample containers was logged in for sample WG-18036-091015-SG-011.

The chain of custody listed sample WG-18036-091015-SG-002 with a sampling time of 08:25. The containers with a sampling time of 08:25 were labeled as WG-18036-091015-SG-001. The sampled identification was logged in off of the chain of custody.

GC/MS VOA

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Due to sample matrix effect on the internal standard (ISTD), samples WG-18036-091015-SG-006 (180-47663-6) and WG-18036-091015-SG-011 (180-47663-11) were analyzed at a dilution for lead. The reporting limits have been adjusted accordingly.

Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |
| F1 | MS and/or MSD Recovery is outside acceptance limits. |
| 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. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Certification Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

Laboratory: TestAmerica Pittsburgh

The certifications listed below are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------|------------|------------------|-----------------|
| New York | NELAP | 2 | 11182 | 03-31-16 |

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Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------------|--------|----------------|----------------|
| 180-47663-1 | WG-18036-091015-DT-001 | Water | 09/10/15 08:45 | 09/11/15 09:20 |
| 180-47663-2 | WG-18036-091015-SG-002 | Water | 09/10/15 08:25 | 09/11/15 09:20 |
| 180-47663-3 | WG-18036-091015-DT-003 | Water | 09/10/15 09:50 | 09/11/15 09:20 |
| 180-47663-4 | WG-18036-091015-SG-004 | Water | 09/10/15 09:40 | 09/11/15 09:20 |
| 180-47663-5 | WG-18036-091015-DT-005 | Water | 09/10/15 11:00 | 09/11/15 09:20 |
| 180-47663-6 | WG-18036-091015-SG-006 | Water | 09/10/15 11:00 | 09/11/15 09:20 |
| 180-47663-7 | WG-18036-091015-DT-007 | Water | 09/10/15 12:35 | 09/11/15 09:20 |
| 180-47663-8 | WG-18036-091015-SG-008 | Water | 09/10/15 11:45 | 09/11/15 09:20 |
| 180-47663-9 | WG-18036-091015-DT-009 | Water | 09/10/15 12:35 | 09/11/15 09:20 |
| 180-47663-10 | WG-18036-091015-SG-010 | Water | 09/10/15 12:45 | 09/11/15 09:20 |
| 180-47663-11 | WG-18036-091015-SG-011 | Water | 09/10/15 13:55 | 09/11/15 09:20 |
| 180-47663-12 | TB-18036-091015-SG | Water | 09/10/15 08:25 | 09/11/15 09:20 |

Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

| Method | Method Description | Protocol | Laboratory |
|---------------|------------------------------------|-----------|------------|
| 624 | Volatile Organic Compounds (GC/MS) | 40CFR136A | TAL PIT |
| 200.7 Rev 4.4 | Metals (ICP) | EPA | TAL PIT |

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

Laboratory References:

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



Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

Client Sample ID: WG-18036-091015-DT-001

Lab Sample ID: 180-47663-1

Date Collected: 09/10/15 08:45

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 153686 | 09/15/15 22:29 | DLF | TAL PIT |
| | | Instrument ID: CHHP6 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 15:10 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |

Client Sample ID: WG-18036-091015-SG-002

Lab Sample ID: 180-47663-2

Date Collected: 09/10/15 08:25

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 153686 | 09/15/15 12:40 | DLF | TAL PIT |
| | | Instrument ID: CHHP6 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153502 | 09/14/15 07:03 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 13:03 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |

Client Sample ID: WG-18036-091015-DT-003

Lab Sample ID: 180-47663-3

Date Collected: 09/10/15 09:50

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 153686 | 09/15/15 22:53 | DLF | TAL PIT |
| | | Instrument ID: CHHP6 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 15:15 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |

Client Sample ID: WG-18036-091015-SG-004

Lab Sample ID: 180-47663-4

Date Collected: 09/10/15 09:40

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|----------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 153686 | 09/15/15 23:18 | DLF | TAL PIT |
| | | Instrument ID: CHHP6 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 15:20 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

Client Sample ID: WG-18036-091015-DT-005

Lab Sample ID: 180-47663-5

Date Collected: 09/10/15 11:00

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154014 | 09/17/15 18:38 | DLF | TAL PIT |
| Instrument ID: CHHP6 | | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 14:38 | RJR | TAL PIT |
| Instrument ID: Q | | | | | | | | | | |

Client Sample ID: WG-18036-091015-SG-006

Lab Sample ID: 180-47663-6

Date Collected: 09/10/15 11:00

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154014 | 09/17/15 19:02 | DLF | TAL PIT |
| Instrument ID: CHHP6 | | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 15:26 | RJR | TAL PIT |
| Instrument ID: Q | | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 2 | 50 mL | 50 mL | 153915 | 09/16/15 15:00 | RJR | TAL PIT |
| Instrument ID: Q | | | | | | | | | | |

Client Sample ID: WG-18036-091015-DT-007

Lab Sample ID: 180-47663-7

Date Collected: 09/10/15 12:35

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154014 | 09/17/15 19:27 | DLF | TAL PIT |
| Instrument ID: CHHP6 | | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 15:32 | RJR | TAL PIT |
| Instrument ID: Q | | | | | | | | | | |

Client Sample ID: WG-18036-091015-SG-008

Lab Sample ID: 180-47663-8

Date Collected: 09/10/15 11:45

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154014 | 09/17/15 19:51 | DLF | TAL PIT |
| Instrument ID: CHHP6 | | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 15:37 | RJR | TAL PIT |
| Instrument ID: Q | | | | | | | | | | |

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

Client Sample ID: WG-18036-091015-DT-009

Lab Sample ID: 180-47663-9

Date Collected: 09/10/15 12:35

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154014 | 09/17/15 20:40 | DLF | TAL PIT |
| Instrument ID: CHHP6 | | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 15:43 | RJR | TAL PIT |
| Instrument ID: Q | | | | | | | | | | |

Client Sample ID: WG-18036-091015-SG-010

Lab Sample ID: 180-47663-10

Date Collected: 09/10/15 12:45

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154014 | 09/17/15 21:04 | DLF | TAL PIT |
| Instrument ID: CHHP6 | | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 15:48 | RJR | TAL PIT |
| Instrument ID: Q | | | | | | | | | | |

Client Sample ID: WG-18036-091015-SG-011

Lab Sample ID: 180-47663-11

Date Collected: 09/10/15 13:55

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154014 | 09/17/15 21:29 | DLF | TAL PIT |
| Instrument ID: CHHP6 | | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 15:54 | RJR | TAL PIT |
| Instrument ID: Q | | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 2 | 50 mL | 50 mL | 153915 | 09/16/15 15:06 | RJR | TAL PIT |
| Instrument ID: Q | | | | | | | | | | |

Client Sample ID: TB-18036-091015-SG

Lab Sample ID: 180-47663-12

Date Collected: 09/10/15 08:25

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 153686 | 09/15/15 13:04 | DLF | TAL PIT |
| Instrument ID: CHHP6 | | | | | | | | | | |

Laboratory References:

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

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

BMH = Bobbi Hartsock

Batch Type: Analysis

DLF = Donald Ferguson

RJR = Ron Rosenbaum

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Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

Client Sample ID: WG-18036-091015-DT-001

Lab Sample ID: 180-47663-1

Date Collected: 09/10/15 08:45

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/15/15 22:29 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/15/15 22:29 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/15/15 22:29 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/15/15 22:29 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/15/15 22:29 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111 | | 58 - 135 | | 09/15/15 22:29 | 1 |
| 4-Bromofluorobenzene (Surr) | 90 | | 62 - 123 | | 09/15/15 22:29 | 1 |
| Dibromofluoromethane (Surr) | 114 | | 64 - 128 | | 09/15/15 22:29 | 1 |
| Toluene-d8 (Surr) | 104 | | 71 - 118 | | 09/15/15 22:29 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 15:10 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 15:10 | 1 |

Client Sample ID: WG-18036-091015-SG-002

Lab Sample ID: 180-47663-2

Date Collected: 09/10/15 08:25

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/15/15 12:40 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/15/15 12:40 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/15/15 12:40 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/15/15 12:40 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/15/15 12:40 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 58 - 135 | | 09/15/15 12:40 | 1 |
| 4-Bromofluorobenzene (Surr) | 89 | | 62 - 123 | | 09/15/15 12:40 | 1 |
| Dibromofluoromethane (Surr) | 114 | | 64 - 128 | | 09/15/15 12:40 | 1 |
| Toluene-d8 (Surr) | 108 | | 71 - 118 | | 09/15/15 12:40 | 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 | 0.25 | ug/L | | 09/14/15 07:03 | 09/15/15 13:03 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 07:03 | 09/15/15 13:03 | 1 |

Client Sample ID: WG-18036-091015-DT-003

Lab Sample ID: 180-47663-3

Date Collected: 09/10/15 09:50

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/15/15 22:53 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/15/15 22:53 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/15/15 22:53 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/15/15 22:53 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/15/15 22:53 | 1 |

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 58 - 135 | | 09/15/15 22:53 | 1 |
| 4-Bromofluorobenzene (Surr) | 90 | | 62 - 123 | | 09/15/15 22:53 | 1 |
| Dibromofluoromethane (Surr) | 113 | | 64 - 128 | | 09/15/15 22:53 | 1 |
| Toluene-d8 (Surr) | 107 | | 71 - 118 | | 09/15/15 22:53 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 15:15 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 15:15 | 1 |

Client Sample ID: WG-18036-091015-SG-004

Lab Sample ID: 180-47663-4

Date Collected: 09/10/15 09:40

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/15/15 23:18 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/15/15 23:18 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/15/15 23:18 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/15/15 23:18 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/15/15 23:18 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 117 | | 58 - 135 | | 09/15/15 23:18 | 1 |
| 4-Bromofluorobenzene (Surr) | 87 | | 62 - 123 | | 09/15/15 23:18 | 1 |
| Dibromofluoromethane (Surr) | 120 | | 64 - 128 | | 09/15/15 23:18 | 1 |
| Toluene-d8 (Surr) | 103 | | 71 - 118 | | 09/15/15 23:18 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 15:20 | 1 |
| Lead | 2.0 | J | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 15:20 | 1 |

Client Sample ID: WG-18036-091015-DT-005

Lab Sample ID: 180-47663-5

Date Collected: 09/10/15 11:00

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/17/15 18:38 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/17/15 18:38 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 18:38 | 1 |
| Trichloroethene | 0.18 | J | 1.0 | 0.14 | ug/L | | | 09/17/15 18:38 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/17/15 18:38 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112 | | 58 - 135 | | 09/17/15 18:38 | 1 |
| 4-Bromofluorobenzene (Surr) | 88 | | 62 - 123 | | 09/17/15 18:38 | 1 |
| Dibromofluoromethane (Surr) | 113 | | 64 - 128 | | 09/17/15 18:38 | 1 |
| Toluene-d8 (Surr) | 105 | | 71 - 118 | | 09/17/15 18:38 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 14:38 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 14:38 | 1 |

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

Client Sample ID: WG-18036-091015-SG-006

Lab Sample ID: 180-47663-6

Date Collected: 09/10/15 11:00

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/17/15 19:02 | 1 |
| cis-1,2-Dichloroethene | 0.32 | J | 1.0 | 0.24 | ug/L | | | 09/17/15 19:02 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 19:02 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/17/15 19:02 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/17/15 19:02 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111 | | 58 - 135 | | 09/17/15 19:02 | 1 |
| 4-Bromofluorobenzene (Surr) | 89 | | 62 - 123 | | 09/17/15 19:02 | 1 |
| Dibromofluoromethane (Surr) | 113 | | 64 - 128 | | 09/17/15 19:02 | 1 |
| Toluene-d8 (Surr) | 102 | | 71 - 118 | | 09/17/15 19:02 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 15:26 | 1 |
| Lead | 20 | U | 20 | 4.0 | ug/L | | 09/14/15 11:41 | 09/16/15 15:00 | 2 |

Client Sample ID: WG-18036-091015-DT-007

Lab Sample ID: 180-47663-7

Date Collected: 09/10/15 12:35

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/17/15 19:27 | 1 |
| cis-1,2-Dichloroethene | 4.5 | | 1.0 | 0.24 | ug/L | | | 09/17/15 19:27 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 19:27 | 1 |
| Trichloroethene | 0.65 | J | 1.0 | 0.14 | ug/L | | | 09/17/15 19:27 | 1 |
| Vinyl chloride | 7.4 | | 1.0 | 0.23 | ug/L | | | 09/17/15 19:27 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111 | | 58 - 135 | | 09/17/15 19:27 | 1 |
| 4-Bromofluorobenzene (Surr) | 89 | | 62 - 123 | | 09/17/15 19:27 | 1 |
| Dibromofluoromethane (Surr) | 112 | | 64 - 128 | | 09/17/15 19:27 | 1 |
| Toluene-d8 (Surr) | 106 | | 71 - 118 | | 09/17/15 19:27 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 15:32 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 15:32 | 1 |

Client Sample ID: WG-18036-091015-SG-008

Lab Sample ID: 180-47663-8

Date Collected: 09/10/15 11:45

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/17/15 19:51 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/17/15 19:51 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 19:51 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/17/15 19:51 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/17/15 19:51 | 1 |

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

Client Sample ID: WG-18036-091015-SG-008

Lab Sample ID: 180-47663-8

Date Collected: 09/10/15 11:45

Matrix: Water

Date Received: 09/11/15 09:20

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110 | | 58 - 135 | | 09/17/15 19:51 | 1 |
| 4-Bromofluorobenzene (Surr) | 88 | | 62 - 123 | | 09/17/15 19:51 | 1 |
| Dibromofluoromethane (Surr) | 110 | | 64 - 128 | | 09/17/15 19:51 | 1 |
| Toluene-d8 (Surr) | 103 | | 71 - 118 | | 09/17/15 19:51 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 15:37 | 1 |
| Lead | 4.9 | J | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 15:37 | 1 |

Client Sample ID: WG-18036-091015-DT-009

Lab Sample ID: 180-47663-9

Date Collected: 09/10/15 12:35

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/17/15 20:40 | 1 |
| cis-1,2-Dichloroethene | 4.5 | | 1.0 | 0.24 | ug/L | | | 09/17/15 20:40 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 20:40 | 1 |
| Trichloroethene | 0.61 | J | 1.0 | 0.14 | ug/L | | | 09/17/15 20:40 | 1 |
| Vinyl chloride | 6.4 | | 1.0 | 0.23 | ug/L | | | 09/17/15 20:40 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112 | | 58 - 135 | | 09/17/15 20:40 | 1 |
| 4-Bromofluorobenzene (Surr) | 86 | | 62 - 123 | | 09/17/15 20:40 | 1 |
| Dibromofluoromethane (Surr) | 111 | | 64 - 128 | | 09/17/15 20:40 | 1 |
| Toluene-d8 (Surr) | 103 | | 71 - 118 | | 09/17/15 20:40 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 15:43 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 15:43 | 1 |

Client Sample ID: WG-18036-091015-SG-010

Lab Sample ID: 180-47663-10

Date Collected: 09/10/15 12:45

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/17/15 21:04 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/17/15 21:04 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 21:04 | 1 |
| Trichloroethene | 0.80 | J F1 | 1.0 | 0.14 | ug/L | | | 09/17/15 21:04 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/17/15 21:04 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 114 | | 58 - 135 | | 09/17/15 21:04 | 1 |
| 4-Bromofluorobenzene (Surr) | 87 | | 62 - 123 | | 09/17/15 21:04 | 1 |
| Dibromofluoromethane (Surr) | 110 | | 64 - 128 | | 09/17/15 21:04 | 1 |
| Toluene-d8 (Surr) | 105 | | 71 - 118 | | 09/17/15 21:04 | 1 |

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

Client Sample ID: WG-18036-091015-SG-010

Lab Sample ID: 180-47663-10

Date Collected: 09/10/15 12:45

Matrix: Water

Date Received: 09/11/15 09:20

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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 15:48 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 15:48 | 1 |

Client Sample ID: WG-18036-091015-SG-011

Lab Sample ID: 180-47663-11

Date Collected: 09/10/15 13:55

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/17/15 21:29 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/17/15 21:29 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 21:29 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/17/15 21:29 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/17/15 21:29 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111 | | 58 - 135 | | 09/17/15 21:29 | 1 |
| 4-Bromofluorobenzene (Surr) | 89 | | 62 - 123 | | 09/17/15 21:29 | 1 |
| Dibromofluoromethane (Surr) | 112 | | 64 - 128 | | 09/17/15 21:29 | 1 |
| Toluene-d8 (Surr) | 102 | | 71 - 118 | | 09/17/15 21:29 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 15:54 | 1 |
| Lead | 20 | U | 20 | 4.0 | ug/L | | 09/14/15 11:41 | 09/16/15 15:06 | 2 |

Client Sample ID: TB-18036-091015-SG

Lab Sample ID: 180-47663-12

Date Collected: 09/10/15 08:25

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/15/15 13:04 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/15/15 13:04 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/15/15 13:04 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/15/15 13:04 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/15/15 13:04 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110 | | 58 - 135 | | 09/15/15 13:04 | 1 |
| 4-Bromofluorobenzene (Surr) | 91 | | 62 - 123 | | 09/15/15 13:04 | 1 |
| Dibromofluoromethane (Surr) | 115 | | 64 - 128 | | 09/15/15 13:04 | 1 |
| Toluene-d8 (Surr) | 107 | | 71 - 118 | | 09/15/15 13:04 | 1 |

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

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

Lab Sample ID: MB 180-153686/5

Matrix: Water

Analysis Batch: 153686

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/15/15 11:57 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/15/15 11:57 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/15/15 11:57 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/15/15 11:57 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/15/15 11:57 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110 | | 58 - 135 | | 09/15/15 11:57 | 1 |
| 4-Bromofluorobenzene (Surr) | 89 | | 62 - 123 | | 09/15/15 11:57 | 1 |
| Dibromofluoromethane (Surr) | 113 | | 64 - 128 | | 09/15/15 11:57 | 1 |
| Toluene-d8 (Surr) | 105 | | 71 - 118 | | 09/15/15 11:57 | 1 |

Lab Sample ID: LCS 180-153686/1002

Matrix: Water

Analysis Batch: 153686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1-Trichloroethane | 10.0 | 11.3 | | ug/L | | 113 | 75 - 125 |
| cis-1,2-Dichloroethene | 10.0 | 9.26 | | ug/L | | 93 | 69 - 127 |
| Toluene | 10.0 | 10.9 | | ug/L | | 109 | 74 - 126 |
| Trichloroethene | 10.0 | 11.3 | | ug/L | | 113 | 73 - 125 |
| Vinyl chloride | 10.0 | 10.9 | | ug/L | | 109 | 30 - 140 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 58 - 135 |
| 4-Bromofluorobenzene (Surr) | 99 | | 62 - 123 |
| Dibromofluoromethane (Surr) | 100 | | 64 - 128 |
| Toluene-d8 (Surr) | 105 | | 71 - 118 |

Lab Sample ID: 180-47663-2 MS

Matrix: Water

Analysis Batch: 153686

Client Sample ID: WG-18036-091015-SG-002

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1,1-Trichloroethane | 1.0 | U | 10.0 | 10.1 | | ug/L | | 101 | 75 - 125 |
| cis-1,2-Dichloroethene | 1.0 | U | 10.0 | 9.11 | | ug/L | | 91 | 69 - 127 |
| Toluene | 1.0 | U | 10.0 | 10.3 | | ug/L | | 103 | 74 - 126 |
| Trichloroethene | 1.0 | U | 10.0 | 11.1 | | ug/L | | 111 | 73 - 125 |
| Vinyl chloride | 1.0 | U | 10.0 | 9.49 | | ug/L | | 95 | 30 - 140 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 94 | | 58 - 135 |
| 4-Bromofluorobenzene (Surr) | 92 | | 62 - 123 |
| Dibromofluoromethane (Surr) | 95 | | 64 - 128 |
| Toluene-d8 (Surr) | 100 | | 71 - 118 |

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

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

Lab Sample ID: 180-47663-2 MSD

Matrix: Water

Analysis Batch: 153686

Client Sample ID: WG-18036-091015-SG-002

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,1,1-Trichloroethane | 1.0 | U | 10.0 | 10.4 | | ug/L | | 104 | 75 - 125 | 3 | 25 |
| cis-1,2-Dichloroethene | 1.0 | U | 10.0 | 9.45 | | ug/L | | 94 | 69 - 127 | 4 | 20 |
| Toluene | 1.0 | U | 10.0 | 10.3 | | ug/L | | 103 | 74 - 126 | 1 | 25 |
| Trichloroethene | 1.0 | U | 10.0 | 11.6 | | ug/L | | 116 | 73 - 125 | 5 | 25 |
| Vinyl chloride | 1.0 | U | 10.0 | 9.72 | | ug/L | | 97 | 30 - 140 | 2 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 105 | | 58 - 135 |
| 4-Bromofluorobenzene (Surr) | 99 | | 62 - 123 |
| Dibromofluoromethane (Surr) | 105 | | 64 - 128 |
| Toluene-d8 (Surr) | 105 | | 71 - 118 |

Lab Sample ID: MB 180-154014/5

Matrix: Water

Analysis Batch: 154014

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane | 1.0 | U | 1.0 | 0.29 | ug/L | | | 09/17/15 13:57 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/17/15 13:57 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 13:57 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/17/15 13:57 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/17/15 13:57 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 58 - 135 | | 09/17/15 13:57 | 1 |
| 4-Bromofluorobenzene (Surr) | 88 | | 62 - 123 | | 09/17/15 13:57 | 1 |
| Dibromofluoromethane (Surr) | 107 | | 64 - 128 | | 09/17/15 13:57 | 1 |
| Toluene-d8 (Surr) | 101 | | 71 - 118 | | 09/17/15 13:57 | 1 |

Lab Sample ID: LCS 180-154014/1002

Matrix: Water

Analysis Batch: 154014

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1-Trichloroethane | 10.0 | 9.38 | | ug/L | | 94 | 75 - 125 |
| cis-1,2-Dichloroethene | 10.0 | 8.59 | | ug/L | | 86 | 69 - 127 |
| Toluene | 10.0 | 9.99 | | ug/L | | 100 | 74 - 126 |
| Trichloroethene | 10.0 | 10.8 | | ug/L | | 108 | 73 - 125 |
| Vinyl chloride | 10.0 | 7.91 | | ug/L | | 79 | 30 - 140 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 58 - 135 |
| 4-Bromofluorobenzene (Surr) | 96 | | 62 - 123 |
| Dibromofluoromethane (Surr) | 102 | | 64 - 128 |
| Toluene-d8 (Surr) | 107 | | 71 - 118 |

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

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

Lab Sample ID: 180-47663-10 MS

Matrix: Water

Analysis Batch: 154014

Client Sample ID: WG-18036-091015-SG-010

Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec. |
|------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|
| | Result | Qualifier | | Result | Qualifier | | | | |
| 1,1,1-Trichloroethane | 1.0 | U | 10.0 | 11.1 | | ug/L | | 111 | 75 - 125 |
| cis-1,2-Dichloroethene | 1.0 | U | 10.0 | 10.2 | | ug/L | | 102 | 69 - 127 |
| Toluene | 1.0 | U | 10.0 | 10.5 | | ug/L | | 105 | 74 - 126 |
| Trichloroethene | 0.80 | J F1 | 10.0 | 13.4 | F1 | ug/L | | 126 | 73 - 125 |
| Vinyl chloride | 1.0 | U | 10.0 | 9.82 | | ug/L | | 98 | 30 - 140 |

| Surrogate | MS | MS | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 115 | | 58 - 135 |
| 4-Bromofluorobenzene (Surr) | 99 | | 62 - 123 |
| Dibromofluoromethane (Surr) | 115 | | 64 - 128 |
| Toluene-d8 (Surr) | 103 | | 71 - 118 |

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-153502/1-A

Matrix: Water

Analysis Batch: 153775

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 153502

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil | Fac |
|---------|--------|-----------|-----|------|------|---|----------------|----------------|-----|-----|
| | Result | Qualifier | | | | | | | | |
| Cadmium | 5.0 | U | 5.0 | 0.25 | ug/L | | 09/14/15 07:03 | 09/15/15 09:14 | | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 07:03 | 09/15/15 09:14 | | 1 |

Lab Sample ID: LCS 180-153502/2-A

Matrix: Water

Analysis Batch: 153775

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 153502

| Analyte | Spike | LCS | LCS | Unit | D | %Rec | %Rec. |
|---------|-------|--------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | |
| Cadmium | 50.0 | 49.8 | | ug/L | | 100 | 85 - 115 |
| Lead | 500 | 510 | | ug/L | | 102 | 85 - 115 |

Lab Sample ID: 180-47663-2 MS

Matrix: Water

Analysis Batch: 153775

Client Sample ID: WG-18036-091015-SG-002

Prep Type: Total Recoverable

Prep Batch: 153502

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec. |
|---------|--------|-----------|-------|--------|-----------|------|---|------|----------|
| | Result | Qualifier | | Result | Qualifier | | | | |
| Cadmium | 5.0 | U | 50.0 | 47.5 | | ug/L | | 95 | 70 - 130 |
| Lead | 10 | U | 500 | 488 | | ug/L | | 98 | 70 - 130 |

Lab Sample ID: 180-47663-2 MSD

Matrix: Water

Analysis Batch: 153775

Client Sample ID: WG-18036-091015-SG-002

Prep Type: Total Recoverable

Prep Batch: 153502

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec. | RPD | RPD | Limit |
|---------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-----|-------|
| | Result | Qualifier | | Result | Qualifier | | | | | | | |
| Cadmium | 5.0 | U | 50.0 | 47.1 | | ug/L | | 94 | 70 - 130 | 1 | 20 | |
| Lead | 10 | U | 500 | 491 | | ug/L | | 98 | 70 - 130 | 1 | 20 | |

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

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

Lab Sample ID: MB 180-153573/1-A
Matrix: Water
Analysis Batch: 153775

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 153573

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Cadmium | 5.0 | U | 5.0 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 14:28 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 14:28 | 1 |

Lab Sample ID: LCS 180-153573/2-A
Matrix: Water
Analysis Batch: 153775

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 153573

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | |
|---------|-------------|------------|---------------|------|---|------|--------------|--|
| | | | | | | | | |
| Cadmium | 50.0 | 47.6 | | ug/L | | 95 | 85 - 115 | |
| Lead | 500 | 486 | | ug/L | | 97 | 85 - 115 | |

Lab Sample ID: 180-47663-5 MS
Matrix: Water
Analysis Batch: 153775

Client Sample ID: WG-18036-091015-DT-005
Prep Type: Total Recoverable
Prep Batch: 153573

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|--|
| | | | | | | | | | | |
| Cadmium | 5.0 | U | 50.0 | 47.7 | | ug/L | | 95 | 70 - 130 | |
| Lead | 10 | U | 500 | 499 | | ug/L | | 100 | 70 - 130 | |

Lab Sample ID: 180-47663-5 MSD
Matrix: Water
Analysis Batch: 153775

Client Sample ID: WG-18036-091015-DT-005
Prep Type: Total Recoverable
Prep Batch: 153573

| 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 | 47.6 | | ug/L | | 95 | 70 - 130 | 0 | 20 | |
| Lead | 10 | U | 500 | 493 | | ug/L | | 99 | 70 - 130 | 1 | 20 | |

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

GC/MS VOA

Analysis Batch: 153686

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 180-47663-1 | WG-18036-091015-DT-001 | Total/NA | Water | 624 | |
| 180-47663-2 | WG-18036-091015-SG-002 | Total/NA | Water | 624 | |
| 180-47663-2 MS | WG-18036-091015-SG-002 | Total/NA | Water | 624 | |
| 180-47663-2 MSD | WG-18036-091015-SG-002 | Total/NA | Water | 624 | |
| 180-47663-3 | WG-18036-091015-DT-003 | Total/NA | Water | 624 | |
| 180-47663-4 | WG-18036-091015-SG-004 | Total/NA | Water | 624 | |
| 180-47663-12 | TB-18036-091015-SG | Total/NA | Water | 624 | |
| LCS 180-153686/1002 | Lab Control Sample | Total/NA | Water | 624 | |
| MB 180-153686/5 | Method Blank | Total/NA | Water | 624 | |

Analysis Batch: 154014

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 180-47663-5 | WG-18036-091015-DT-005 | Total/NA | Water | 624 | |
| 180-47663-6 | WG-18036-091015-SG-006 | Total/NA | Water | 624 | |
| 180-47663-7 | WG-18036-091015-DT-007 | Total/NA | Water | 624 | |
| 180-47663-8 | WG-18036-091015-SG-008 | Total/NA | Water | 624 | |
| 180-47663-9 | WG-18036-091015-DT-009 | Total/NA | Water | 624 | |
| 180-47663-10 | WG-18036-091015-SG-010 | Total/NA | Water | 624 | |
| 180-47663-10 MS | WG-18036-091015-SG-010 | Total/NA | Water | 624 | |
| 180-47663-11 | WG-18036-091015-SG-011 | Total/NA | Water | 624 | |
| LCS 180-154014/1002 | Lab Control Sample | Total/NA | Water | 624 | |
| MB 180-154014/5 | Method Blank | Total/NA | Water | 624 | |

Metals

Prep Batch: 153502

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-------------------|--------|--------|------------|
| 180-47663-2 | WG-18036-091015-SG-002 | Total Recoverable | Water | 200.7 | |
| 180-47663-2 MS | WG-18036-091015-SG-002 | Total Recoverable | Water | 200.7 | |
| 180-47663-2 MSD | WG-18036-091015-SG-002 | Total Recoverable | Water | 200.7 | |
| LCS 180-153502/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 | |
| MB 180-153502/1-A | Method Blank | Total Recoverable | Water | 200.7 | |

Prep Batch: 153573

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-------------------|--------|--------|------------|
| 180-47663-1 | WG-18036-091015-DT-001 | Total Recoverable | Water | 200.7 | |
| 180-47663-3 | WG-18036-091015-DT-003 | Total Recoverable | Water | 200.7 | |
| 180-47663-4 | WG-18036-091015-SG-004 | Total Recoverable | Water | 200.7 | |
| 180-47663-5 | WG-18036-091015-DT-005 | Total Recoverable | Water | 200.7 | |
| 180-47663-5 MS | WG-18036-091015-DT-005 | Total Recoverable | Water | 200.7 | |
| 180-47663-5 MSD | WG-18036-091015-DT-005 | Total Recoverable | Water | 200.7 | |
| 180-47663-6 | WG-18036-091015-SG-006 | Total Recoverable | Water | 200.7 | |
| 180-47663-7 | WG-18036-091015-DT-007 | Total Recoverable | Water | 200.7 | |
| 180-47663-8 | WG-18036-091015-SG-008 | Total Recoverable | Water | 200.7 | |
| 180-47663-9 | WG-18036-091015-DT-009 | Total Recoverable | Water | 200.7 | |
| 180-47663-10 | WG-18036-091015-SG-010 | Total Recoverable | Water | 200.7 | |
| 180-47663-11 | WG-18036-091015-SG-011 | Total Recoverable | Water | 200.7 | |
| LCS 180-153573/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 | |
| MB 180-153573/1-A | Method Blank | Total Recoverable | Water | 200.7 | |

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47663-1

Metals (Continued)

Analysis Batch: 153775

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-------------------|--------|---------------|------------|
| 180-47663-1 | WG-18036-091015-DT-001 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47663-2 | WG-18036-091015-SG-002 | Total Recoverable | Water | 200.7 Rev 4.4 | 153502 |
| 180-47663-2 MS | WG-18036-091015-SG-002 | Total Recoverable | Water | 200.7 Rev 4.4 | 153502 |
| 180-47663-2 MSD | WG-18036-091015-SG-002 | Total Recoverable | Water | 200.7 Rev 4.4 | 153502 |
| 180-47663-3 | WG-18036-091015-DT-003 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47663-4 | WG-18036-091015-SG-004 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47663-5 | WG-18036-091015-DT-005 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47663-5 MS | WG-18036-091015-DT-005 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47663-5 MSD | WG-18036-091015-DT-005 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47663-6 | WG-18036-091015-SG-006 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47663-7 | WG-18036-091015-DT-007 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47663-8 | WG-18036-091015-SG-008 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47663-9 | WG-18036-091015-DT-009 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47663-10 | WG-18036-091015-SG-010 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47663-11 | WG-18036-091015-SG-011 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| LCS 180-153502/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 153502 |
| LCS 180-153573/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| MB 180-153502/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 153502 |
| MB 180-153573/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |

Analysis Batch: 153915

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------------|-------------------|--------|---------------|------------|
| 180-47663-6 | WG-18036-091015-SG-006 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47663-11 | WG-18036-091015-SG-011 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |



CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

COC NO: 48229

PAGE 1 OF 1

Address: N.F. Office

Phone:

Fax:

(See Reverse Side for Instructions)

| | | | | | | | | | |
|--|--|-----------------------------------|--|---|--|------------------------------------|--|---|--|
| Project No / Phase/Task Code: 18036-2014 | | Laboratory Name: Test America | | Lab Location: Pittsburgh | | SSOW ID: | | | |
| Project Name: BNIA 1/4 Ly Post Closure Monitoring | | Lab Contact: Jill Colussy | | Lab Quote No: | | Cooler No: | | | |
| Project Location: Buffalo Airport | | CONTAINER QUANTITY & PRESERVATION | | ANALYSIS REQUESTED (See Back of COC for Definitions) | | Carrier: | | | |
| Chemistry Contact: S. Gardner D. Tyrn | | SAMPLE TYPE | | Total Containers/Sample | | Airbill No: | | | |
| Matrix Code (see back of COC) | | Grab (G) or Comp (C) | | Unpreserved | | Date Shipped: 9.10.15 | | | |
| Hydrochloric Acid (HCl) | | Nitric Acid (HNO ₃) | | Sulfuric Acid (H ₂ SO ₄) | | COMMENTS/ SPECIAL INSTRUCTIONS: | | | |
| Sodium Hydroxide (NaOH) | | Methanol/Water (Sol) | | VOC | | MS/MSD Request | | | |
| Encores 3x5-g; 1x25-g | | Other: | | VOCs 624 | | | | | |
| DATE (mm/dd/yyyy) | | TIME (hh:mm) | | Other: | | 180-47663 Chain of Custody | | | |
| 1 9-10-15 | | 0845 | | X | | | | X | |
| 2 9-10-15 | | 0825 | | X | | | | X | |
| 3 9-10-15 | | 0950 | | X | | | | X | |
| 4 9-10-15 | | 0940 | | X | | | | X | |
| 5 9-10-15 | | 1100 | | X | | | | X | |
| 6 9-10-15 | | 1100 | | X | | | | X | |
| 7 9-10-15 | | 1235 | | X | | | | X | |
| 8 9-10-15 | | 1145 | | X | | | | X | |
| 9 9-10-15 | | 1235 | | X | | | | X | |
| 10 9-10-15 | | 1245 | | X | | X | | | |
| 11 9-10-15 | | | | X | | X | | | |
| 12 9-10-15 | | | | X | | X | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| TAT Required in business days (use separate COCs for different TATs): | | | | Notes/ Special Requirements: | | | | | |
| <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week <input checked="" type="checkbox"/> Other: Standard | | Total Number of Containers: 54 | | All Samples in Cooler must be on COC | | | | | |
| RELINQUISHED BY: <i>John J. Year</i> | | DATE: 9.10.15 | | RECEIVED BY: <i>D. Watson</i> | | DATE: 9-11-15 | | | |
| COMPANY: GHD | | TIME: 1510 | | COMPANY: TAF | | TIME: 9:30 | | | |
| 1 | | | | 1 | | | | | |
| 2 | | | | 2 | | | | | |
| 3 | | | | 3 | | | | | |

Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-47663-1

Login Number: 47663

List Number: 1

Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh

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



ATTACHMENT B
ANALYTICAL LABORATORY REPORT
SEPTEMBER 2015 SURFACE WATER SAMPLING

Surface Water Sampling Key
June 18, 2015
NYSDEC Site No. 9-15-066, Cheektowaga, New York

| Manhole No. | Sample No. |
|--------------------|---------------------|
| 1B | SW-18036-091015-001 |
| 1C | SW-18036-091015-002 |
| 2C | SW-18036-091015-003 |
| 2C (dup) | SW-18036-091015-004 |
| 2A | SW-18036-091015-005 |
| 2B | SW-18036-091015-006 |
| 3A | SW-18036-091015-007 |
| 2D | SW-18036-091015-008 |
| 3C | SW-18036-091015-009 |
| 3B | SW-18036-091015-010 |
| 1A | SW-18036-091015-011 |
| Trip Blank | TB-18036-091015-01 |

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: 180-47667-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

9/25/2015 11:57:20 AM

Jill Colussy, Project Manager I

(412)963-2444

jill.colussy@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

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

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

1

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Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Job ID: 180-47667-1

Laboratory: TestAmerica Pittsburgh

Narrative

**Job Narrative
180-47667-1**

Receipt

The samples were received on 9/11/2015 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.7° C and 5.0° C.

The chain of custody did not list sampling times for TB-18036-091015-01. The earliest sample time was logged in.

GC/MS VOA

The following samples was diluted to bring the concentration of target analytes within the calibration range: WS-18036-091015-003 (180-47667-3), WS-18036-091015-004 (180-47667-4), WS-18036-091015-006 (180-47667-6) and WS-18036-091015-007 (180-47667-7). Elevated reporting limits (RLs) are provided.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD Recovery is outside acceptance limits. |
| 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. |
| E | Result exceeded calibration range. |

Metals

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

General Chemistry

| Qualifier | Qualifier Description |
|-----------|--|
| HF | Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. |
| U | Indicates the analyte was analyzed for but not detected. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

Certification Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Laboratory: TestAmerica Pittsburgh

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------|------------|------------------|-----------------|
| New York | NELAP | 2 | 11182 | 03-31-16 |

The following analytes are included in this report, but are not certified under this certification:

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|---------|
| SM 4500 H+ B | | Water | pH |

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

Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|---------------------|--------|----------------|----------------|
| 180-47667-1 | WS-18036-091015-001 | Water | 09/10/15 08:00 | 09/11/15 09:20 |
| 180-47667-2 | WS-18036-091015-002 | Water | 09/10/15 08:30 | 09/11/15 09:20 |
| 180-47667-3 | WS-18036-091015-003 | Water | 09/10/15 09:15 | 09/11/15 09:20 |
| 180-47667-4 | WS-18036-091015-004 | Water | 09/10/15 09:15 | 09/11/15 09:20 |
| 180-47667-5 | WS-18036-091015-005 | Water | 09/10/15 10:00 | 09/11/15 09:20 |
| 180-47667-6 | WS-18036-091015-006 | Water | 09/10/15 10:10 | 09/11/15 09:20 |
| 180-47667-7 | WS-18036-091015-007 | Water | 09/10/15 10:30 | 09/11/15 09:20 |
| 180-47667-8 | WS-18036-091015-008 | Water | 09/10/15 10:50 | 09/11/15 09:20 |
| 180-47667-9 | WS-18036-091015-009 | Water | 09/10/15 11:30 | 09/11/15 09:20 |
| 180-47667-10 | WS-18036-091015-010 | Water | 09/10/15 12:15 | 09/11/15 09:20 |
| 180-47667-11 | WS-18036-091015-011 | Water | 09/10/15 12:45 | 09/11/15 09:20 |
| 180-47667-12 | TB-18036-091015-01 | Water | 09/10/15 08:00 | 09/11/15 09:20 |

Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

| 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

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-001

Lab Sample ID: 180-47667-1

Date Collected: 09/10/15 08:00

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154014 | 09/17/15 22:17 | DLF | TAL PIT |
| | | Instrument ID: CHHP6 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 15:59 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |
| Total/NA | Analysis | SM 2540D | | 1 | 1000 mL | 1000 mL | 153771 | 09/15/15 18:05 | MTW | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | 20 mL | 153442 | 09/12/15 13:41 | JAS | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Client Sample ID: WS-18036-091015-002

Lab Sample ID: 180-47667-2

Date Collected: 09/10/15 08:30

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154014 | 09/17/15 22:42 | DLF | TAL PIT |
| | | Instrument ID: CHHP6 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 16:36 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |
| Total/NA | Analysis | SM 2540D | | 1 | 1000 mL | 1000 mL | 153771 | 09/15/15 18:05 | MTW | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | 20 mL | 153442 | 09/12/15 13:45 | JAS | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Client Sample ID: WS-18036-091015-003

Lab Sample ID: 180-47667-3

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | DL | 2 | 5 mL | 5 mL | 154282 | 09/21/15 18:37 | DLF | TAL PIT |
| | | Instrument ID: CHHP5 | | | | | | | | |
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154014 | 09/17/15 23:06 | DLF | TAL PIT |
| | | Instrument ID: CHHP6 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 16:41 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |
| Total/NA | Analysis | SM 2540D | | 1 | 500 mL | 1000 mL | 153771 | 09/15/15 18:05 | MTW | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | 20 mL | 153442 | 09/12/15 13:50 | JAS | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-004

Lab Sample ID: 180-47667-4

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | DL | 2 | 5 mL | 5 mL | 154282 | 09/21/15 19:01 | DLF | TAL PIT |
| | | Instrument ID: CHHP5 | | | | | | | | |
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154014 | 09/17/15 23:55 | DLF | TAL PIT |
| | | Instrument ID: CHHP6 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 16:46 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |
| Total/NA | Analysis | SM 2540D | | 1 | 1000 mL | 1000 mL | 153771 | 09/15/15 18:05 | MTW | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | 20 mL | 153442 | 09/12/15 13:54 | JAS | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Client Sample ID: WS-18036-091015-005

Lab Sample ID: 180-47667-5

Date Collected: 09/10/15 10:00

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154282 | 09/21/15 19:25 | DLF | TAL PIT |
| | | Instrument ID: CHHP5 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 16:52 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |
| Total/NA | Analysis | SM 2540D | | 1 | 1000 mL | 1000 mL | 153771 | 09/15/15 18:05 | MTW | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | 20 mL | 153442 | 09/12/15 13:59 | JAS | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Client Sample ID: WS-18036-091015-006

Lab Sample ID: 180-47667-6

Date Collected: 09/10/15 10:10

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 2 | 5 mL | 5 mL | 154282 | 09/21/15 19:49 | DLF | TAL PIT |
| | | Instrument ID: CHHP5 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 16:57 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |
| Total/NA | Analysis | SM 2540D | | 1 | 1000 mL | 1000 mL | 153771 | 09/15/15 18:05 | MTW | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | 20 mL | 153442 | 09/12/15 14:03 | JAS | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-007

Lab Sample ID: 180-47667-7

Date Collected: 09/10/15 10:30

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 2 | 5 mL | 5 mL | 154282 | 09/21/15 20:13 | DLF | TAL PIT |
| | | Instrument ID: CHHP5 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 17:03 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |
| Total/NA | Analysis | SM 2540D | | 1 | 1000 mL | 1000 mL | 153771 | 09/15/15 18:05 | MTW | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | 20 mL | 153442 | 09/12/15 14:12 | JAS | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Client Sample ID: WS-18036-091015-008

Lab Sample ID: 180-47667-8

Date Collected: 09/10/15 10:50

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154282 | 09/21/15 23:26 | DLF | TAL PIT |
| | | Instrument ID: CHHP5 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 17:18 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |
| Total/NA | Analysis | SM 2540D | | 1 | 1000 mL | 1000 mL | 153771 | 09/15/15 18:05 | MTW | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | 20 mL | 153442 | 09/12/15 14:17 | JAS | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |

Client Sample ID: WS-18036-091015-009

Lab Sample ID: 180-47667-9

Date Collected: 09/10/15 11:30

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|------------------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154282 | 09/21/15 12:57 | DLF | TAL PIT |
| | | Instrument ID: CHHP5 | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 16:15 | RJR | TAL PIT |
| | | Instrument ID: Q | | | | | | | | |
| Total/NA | Analysis | SM 2540D | | 1 | 250 mL | 1000 mL | 153771 | 09/15/15 18:05 | MTW | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | 20 mL | 153442 | 09/12/15 13:27 | JAS | TAL PIT |
| | | Instrument ID: NOEQUIP | | | | | | | | |

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-010

Lab Sample ID: 180-47667-10

Date Collected: 09/10/15 12:15

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154282 | 09/21/15 23:51 | DLF | TAL PIT |
| Instrument ID: CHHP5 | | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153573 | 09/14/15 11:41 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153775 | 09/15/15 17:24 | RJR | TAL PIT |
| Instrument ID: Q | | | | | | | | | | |
| Total/NA | Analysis | SM 2540D | | 1 | 250 mL | 1000 mL | 153771 | 09/15/15 18:05 | MTW | TAL PIT |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | 20 mL | 153443 | 09/12/15 14:28 | JAS | TAL PIT |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: WS-18036-091015-011

Lab Sample ID: 180-47667-11

Date Collected: 09/10/15 12:45

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|------------------------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154282 | 09/22/15 00:15 | DLF | TAL PIT |
| Instrument ID: CHHP5 | | | | | | | | | | |
| Total Recoverable | Prep | 200.7 | | | 50 mL | 50 mL | 153654 | 09/15/15 06:57 | BMH | TAL PIT |
| Total Recoverable | Analysis | 200.7 Rev 4.4 | | 1 | 50 mL | 50 mL | 153915 | 09/16/15 12:33 | RJR | TAL PIT |
| Instrument ID: Q | | | | | | | | | | |
| Total/NA | Analysis | SM 2540D | | 1 | 1000 mL | 1000 mL | 153771 | 09/15/15 18:05 | MTW | TAL PIT |
| Instrument ID: NOEQUIP | | | | | | | | | | |
| Total/NA | Analysis | SM 4500 H+ B | | 1 | | 20 mL | 153443 | 09/12/15 14:32 | JAS | TAL PIT |
| Instrument ID: NOEQUIP | | | | | | | | | | |

Client Sample ID: TB-18036-091015-01

Lab Sample ID: 180-47667-12

Date Collected: 09/10/15 08:00

Matrix: Water

Date Received: 09/11/15 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 624 | | 1 | 5 mL | 5 mL | 154282 | 09/21/15 13:21 | DLF | TAL PIT |
| Instrument ID: CHHP5 | | | | | | | | | | |

Laboratory References:

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

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

BMH = Bobbi Hartsock

Batch Type: Analysis

DLF = Donald Ferguson

JAS = Joshua Schmidt

MTW = Michael Wesoloski

RJR = Ron Rosenbaum

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Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-001

Lab Sample ID: 180-47667-1

Date Collected: 09/10/15 08:00

Matrix: Water

Date Received: 09/11/15 09:20

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 | | | 09/17/15 22:17 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 22:17 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 22:17 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/17/15 22:17 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/17/15 22:17 | 1 |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 22:17 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/17/15 22:17 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 114 | | 58 - 135 | | 09/17/15 22:17 | 1 |
| 4-Bromofluorobenzene (Surr) | 88 | | 62 - 123 | | 09/17/15 22:17 | 1 |
| Toluene-d8 (Surr) | 103 | | 71 - 118 | | 09/17/15 22:17 | 1 |
| Dibromofluoromethane (Surr) | 119 | | 64 - 128 | | 09/17/15 22:17 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 15:59 | 1 |
| Chromium | 5.0 | U | 5.0 | 0.93 | ug/L | | 09/14/15 11:41 | 09/15/15 15:59 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 15:59 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Total Suspended Solids | 1.1 | | 0.50 | 0.50 | mg/L | | | 09/15/15 18:05 | 1 |
| pH | 8.16 | HF | 0.100 | 0.100 | SU | | | 09/12/15 13:41 | 1 |

Client Sample ID: WS-18036-091015-002

Lab Sample ID: 180-47667-2

Date Collected: 09/10/15 08:30

Matrix: Water

Date Received: 09/11/15 09:20

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 | | | 09/17/15 22:42 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 22:42 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 22:42 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/17/15 22:42 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/17/15 22:42 | 1 |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 22:42 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/17/15 22:42 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 114 | | 58 - 135 | | 09/17/15 22:42 | 1 |
| 4-Bromofluorobenzene (Surr) | 84 | | 62 - 123 | | 09/17/15 22:42 | 1 |
| Toluene-d8 (Surr) | 104 | | 71 - 118 | | 09/17/15 22:42 | 1 |
| Dibromofluoromethane (Surr) | 111 | | 64 - 128 | | 09/17/15 22:42 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 16:36 | 1 |
| Chromium | 5.0 | U | 5.0 | 0.93 | ug/L | | 09/14/15 11:41 | 09/15/15 16:36 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 16:36 | 1 |

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-002

Lab Sample ID: 180-47667-2

Date Collected: 09/10/15 08:30

Matrix: Water

Date Received: 09/11/15 09:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Total Suspended Solids | 1.5 | | 0.50 | 0.50 | mg/L | | | 09/15/15 18:05 | 1 |
| pH | 8.29 | HF | 0.100 | 0.100 | SU | | | 09/12/15 13:45 | 1 |

Client Sample ID: WS-18036-091015-003

Lab Sample ID: 180-47667-3

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

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 | | | 09/17/15 23:06 | 1 |
| Tetrachloroethene | 8.9 | | 1.0 | 0.15 | ug/L | | | 09/17/15 23:06 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 23:06 | 1 |
| Trichloroethene | 61 | E | 1.0 | 0.14 | ug/L | | | 09/17/15 23:06 | 1 |
| Vinyl chloride | 0.77 | J | 1.0 | 0.23 | ug/L | | | 09/17/15 23:06 | 1 |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 23:06 | 1 |
| cis-1,2-Dichloroethene | 25 | | 1.0 | 0.24 | ug/L | | | 09/17/15 23:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 112 | | 58 - 135 | | | | | 09/17/15 23:06 | 1 |
| 4-Bromofluorobenzene (Surr) | 86 | | 62 - 123 | | | | | 09/17/15 23:06 | 1 |
| Toluene-d8 (Surr) | 102 | | 71 - 118 | | | | | 09/17/15 23:06 | 1 |
| Dibromofluoromethane (Surr) | 113 | | 64 - 128 | | | | | 09/17/15 23:06 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Methylene Chloride | 0.63 | J B | 2.0 | 0.30 | ug/L | | | 09/21/15 18:37 | 2 |
| Tetrachloroethene | 8.5 | | 2.0 | 0.30 | ug/L | | | 09/21/15 18:37 | 2 |
| Toluene | 2.0 | U | 2.0 | 0.30 | ug/L | | | 09/21/15 18:37 | 2 |
| Trichloroethene | 56 | | 2.0 | 0.29 | ug/L | | | 09/21/15 18:37 | 2 |
| Vinyl chloride | 0.74 | J | 2.0 | 0.45 | ug/L | | | 09/21/15 18:37 | 2 |
| 1,2-Dichlorobenzene | 2.0 | U | 2.0 | 0.30 | ug/L | | | 09/21/15 18:37 | 2 |
| cis-1,2-Dichloroethene | 26 | | 2.0 | 0.47 | ug/L | | | 09/21/15 18:37 | 2 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 58 - 135 | | | | | 09/21/15 18:37 | 2 |
| 4-Bromofluorobenzene (Surr) | 100 | | 62 - 123 | | | | | 09/21/15 18:37 | 2 |
| Toluene-d8 (Surr) | 99 | | 71 - 118 | | | | | 09/21/15 18:37 | 2 |
| Dibromofluoromethane (Surr) | 103 | | 64 - 128 | | | | | 09/21/15 18:37 | 2 |

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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 16:41 | 1 |
| Chromium | 2.6 | J | 5.0 | 0.93 | ug/L | | 09/14/15 11:41 | 09/15/15 16:41 | 1 |
| Lead | 6.6 | J | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 16:41 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Total Suspended Solids | 22 | | 1.0 | 1.0 | mg/L | | | 09/15/15 18:05 | 1 |
| pH | 11.7 | HF | 0.100 | 0.100 | SU | | | 09/12/15 13:50 | 1 |

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-004

Lab Sample ID: 180-47667-4

Date Collected: 09/10/15 09:15

Matrix: Water

Date Received: 09/11/15 09:20

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 | | | 09/17/15 23:55 | 1 |
| Tetrachloroethene | 8.8 | | 1.0 | 0.15 | ug/L | | | 09/17/15 23:55 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 23:55 | 1 |
| Trichloroethene | 61 | E | 1.0 | 0.14 | ug/L | | | 09/17/15 23:55 | 1 |
| Vinyl chloride | 0.76 | J | 1.0 | 0.23 | ug/L | | | 09/17/15 23:55 | 1 |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 23:55 | 1 |
| cis-1,2-Dichloroethene | 25 | | 1.0 | 0.24 | ug/L | | | 09/17/15 23:55 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112 | | 58 - 135 | | 09/17/15 23:55 | 1 |
| 4-Bromofluorobenzene (Surr) | 87 | | 62 - 123 | | 09/17/15 23:55 | 1 |
| Toluene-d8 (Surr) | 104 | | 71 - 118 | | 09/17/15 23:55 | 1 |
| Dibromofluoromethane (Surr) | 113 | | 64 - 128 | | 09/17/15 23:55 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|------------|-----|------|------|---|----------|----------------|---------|
| Methylene Chloride | 0.50 | J B | 2.0 | 0.30 | ug/L | | | 09/21/15 19:01 | 2 |
| Tetrachloroethene | 8.1 | | 2.0 | 0.30 | ug/L | | | 09/21/15 19:01 | 2 |
| Toluene | 2.0 | U | 2.0 | 0.30 | ug/L | | | 09/21/15 19:01 | 2 |
| Trichloroethene | 56 | | 2.0 | 0.29 | ug/L | | | 09/21/15 19:01 | 2 |
| Vinyl chloride | 0.69 | J | 2.0 | 0.45 | ug/L | | | 09/21/15 19:01 | 2 |
| 1,2-Dichlorobenzene | 2.0 | U | 2.0 | 0.30 | ug/L | | | 09/21/15 19:01 | 2 |
| cis-1,2-Dichloroethene | 25 | | 2.0 | 0.47 | ug/L | | | 09/21/15 19:01 | 2 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 58 - 135 | | 09/21/15 19:01 | 2 |
| 4-Bromofluorobenzene (Surr) | 88 | | 62 - 123 | | 09/21/15 19:01 | 2 |
| Toluene-d8 (Surr) | 96 | | 71 - 118 | | 09/21/15 19:01 | 2 |
| Dibromofluoromethane (Surr) | 100 | | 64 - 128 | | 09/21/15 19:01 | 2 |

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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 16:46 | 1 |
| Chromium | 2.5 | J | 5.0 | 0.93 | ug/L | | 09/14/15 11:41 | 09/15/15 16:46 | 1 |
| Lead | 6.4 | J | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 16:46 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|-------|-------|------|---|----------|----------------|---------|
| Total Suspended Solids | 20 | | 0.50 | 0.50 | mg/L | | | 09/15/15 18:05 | 1 |
| pH | 11.7 | HF | 0.100 | 0.100 | SU | | | 09/12/15 13:54 | 1 |

Client Sample ID: WS-18036-091015-005

Lab Sample ID: 180-47667-5

Date Collected: 09/10/15 10:00

Matrix: Water

Date Received: 09/11/15 09:20

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 | | | 09/21/15 19:25 | 1 |
| Tetrachloroethene | 0.55 | J | 1.0 | 0.15 | ug/L | | | 09/21/15 19:25 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 19:25 | 1 |
| Trichloroethene | 16 | | 1.0 | 0.14 | ug/L | | | 09/21/15 19:25 | 1 |

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-005

Lab Sample ID: 180-47667-5

Date Collected: 09/10/15 10:00

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/21/15 19:25 | 1 |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 19:25 | 1 |
| cis-1,2-Dichloroethene | 4.0 | | 1.0 | 0.24 | ug/L | | | 09/21/15 19:25 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 101 | | 58 - 135 | | 09/21/15 19:25 | 1 |
| 4-Bromofluorobenzene (Surr) | 89 | | 62 - 123 | | 09/21/15 19:25 | 1 |
| Toluene-d8 (Surr) | 92 | | 71 - 118 | | 09/21/15 19:25 | 1 |
| Dibromofluoromethane (Surr) | 104 | | 64 - 128 | | 09/21/15 19:25 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 16:52 | 1 |
| Chromium | 5.0 | U | 5.0 | 0.93 | ug/L | | 09/14/15 11:41 | 09/15/15 16:52 | 1 |
| Lead | 2.6 | J | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 16:52 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|-------|-------|------|---|----------|----------------|---------|
| Total Suspended Solids | 1.2 | | 0.50 | 0.50 | mg/L | | | 09/15/15 18:05 | 1 |
| pH | 8.29 | HF | 0.100 | 0.100 | SU | | | 09/12/15 13:59 | 1 |

Client Sample ID: WS-18036-091015-006

Lab Sample ID: 180-47667-6

Date Collected: 09/10/15 10:10

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|------------|-----|------|------|---|----------|----------------|---------|
| Methylene Chloride | 0.65 | J B | 2.0 | 0.30 | ug/L | | | 09/21/15 19:49 | 2 |
| Tetrachloroethene | 9.4 | | 2.0 | 0.30 | ug/L | | | 09/21/15 19:49 | 2 |
| Toluene | 2.0 | U | 2.0 | 0.30 | ug/L | | | 09/21/15 19:49 | 2 |
| Trichloroethene | 59 | | 2.0 | 0.29 | ug/L | | | 09/21/15 19:49 | 2 |
| Vinyl chloride | 1.0 | J | 2.0 | 0.45 | ug/L | | | 09/21/15 19:49 | 2 |
| 1,2-Dichlorobenzene | 2.0 | U | 2.0 | 0.30 | ug/L | | | 09/21/15 19:49 | 2 |
| cis-1,2-Dichloroethene | 29 | | 2.0 | 0.47 | ug/L | | | 09/21/15 19:49 | 2 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97 | | 58 - 135 | | 09/21/15 19:49 | 2 |
| 4-Bromofluorobenzene (Surr) | 92 | | 62 - 123 | | 09/21/15 19:49 | 2 |
| Toluene-d8 (Surr) | 98 | | 71 - 118 | | 09/21/15 19:49 | 2 |
| Dibromofluoromethane (Surr) | 103 | | 64 - 128 | | 09/21/15 19:49 | 2 |

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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 16:57 | 1 |
| Chromium | 5.0 | | 5.0 | 0.93 | ug/L | | 09/14/15 11:41 | 09/15/15 16:57 | 1 |
| Lead | 11 | | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 16:57 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|-------------|-----------|-------|-------|------|---|----------|----------------|---------|
| Total Suspended Solids | 39 | | 0.50 | 0.50 | mg/L | | | 09/15/15 18:05 | 1 |
| pH | 11.6 | HF | 0.100 | 0.100 | SU | | | 09/12/15 14:03 | 1 |

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-007

Lab Sample ID: 180-47667-7

Date Collected: 09/10/15 10:30

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| Methylene Chloride | 0.60 | J B | 2.0 | 0.30 | ug/L | | | 09/21/15 20:13 | 2 |
| Tetrachloroethene | 2.0 | | 2.0 | 0.30 | ug/L | | | 09/21/15 20:13 | 2 |
| Toluene | 2.0 | U | 2.0 | 0.30 | ug/L | | | 09/21/15 20:13 | 2 |
| Trichloroethene | 64 | | 2.0 | 0.29 | ug/L | | | 09/21/15 20:13 | 2 |
| Vinyl chloride | 1.6 | J | 2.0 | 0.45 | ug/L | | | 09/21/15 20:13 | 2 |
| 1,2-Dichlorobenzene | 2.0 | U | 2.0 | 0.30 | ug/L | | | 09/21/15 20:13 | 2 |
| cis-1,2-Dichloroethene | 16 | | 2.0 | 0.47 | ug/L | | | 09/21/15 20:13 | 2 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 102 | | 58 - 135 | | 09/21/15 20:13 | 2 |
| 4-Bromofluorobenzene (Surr) | 98 | | 62 - 123 | | 09/21/15 20:13 | 2 |
| Toluene-d8 (Surr) | 97 | | 71 - 118 | | 09/21/15 20:13 | 2 |
| Dibromofluoromethane (Surr) | 102 | | 64 - 128 | | 09/21/15 20:13 | 2 |

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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 17:03 | 1 |
| Chromium | 2.7 | J | 5.0 | 0.93 | ug/L | | 09/14/15 11:41 | 09/15/15 17:03 | 1 |
| Lead | 4.5 | J | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 17:03 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Total Suspended Solids | 19 | | 0.50 | 0.50 | mg/L | | | 09/15/15 18:05 | 1 |
| pH | 9.55 | HF | 0.100 | 0.100 | SU | | | 09/12/15 14:12 | 1 |

Client Sample ID: WS-18036-091015-008

Lab Sample ID: 180-47667-8

Date Collected: 09/10/15 10:50

Matrix: Water

Date Received: 09/11/15 09:20

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 | | | 09/21/15 23:26 | 1 |
| Tetrachloroethene | 0.75 | J | 1.0 | 0.15 | ug/L | | | 09/21/15 23:26 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 23:26 | 1 |
| Trichloroethene | 24 | | 1.0 | 0.14 | ug/L | | | 09/21/15 23:26 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/21/15 23:26 | 1 |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 23:26 | 1 |
| cis-1,2-Dichloroethene | 5.7 | | 1.0 | 0.24 | ug/L | | | 09/21/15 23:26 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 58 - 135 | | 09/21/15 23:26 | 1 |
| 4-Bromofluorobenzene (Surr) | 88 | | 62 - 123 | | 09/21/15 23:26 | 1 |
| Toluene-d8 (Surr) | 102 | | 71 - 118 | | 09/21/15 23:26 | 1 |
| Dibromofluoromethane (Surr) | 106 | | 64 - 128 | | 09/21/15 23:26 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 17:18 | 1 |
| Chromium | 5.0 | U | 5.0 | 0.93 | ug/L | | 09/14/15 11:41 | 09/15/15 17:18 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 17:18 | 1 |

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-008

Lab Sample ID: 180-47667-8

Date Collected: 09/10/15 10:50

Matrix: Water

Date Received: 09/11/15 09:20

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Total Suspended Solids | 24 | | 0.50 | 0.50 | mg/L | | | 09/15/15 18:05 | 1 |
| pH | 8.14 | HF | 0.100 | 0.100 | SU | | | 09/12/15 14:17 | 1 |

Client Sample ID: WS-18036-091015-009

Lab Sample ID: 180-47667-9

Date Collected: 09/10/15 11:30

Matrix: Water

Date Received: 09/11/15 09:20

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 | | | 09/21/15 12:57 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 12:57 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 12:57 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/21/15 12:57 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/21/15 12:57 | 1 |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 12:57 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/21/15 12:57 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 94 | | 58 - 135 | | | | | 09/21/15 12:57 | 1 |
| 4-Bromofluorobenzene (Surr) | 102 | | 62 - 123 | | | | | 09/21/15 12:57 | 1 |
| Toluene-d8 (Surr) | 103 | | 71 - 118 | | | | | 09/21/15 12:57 | 1 |
| Dibromofluoromethane (Surr) | 102 | | 64 - 128 | | | | | 09/21/15 12:57 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 16:15 | 1 |
| Chromium | 9.0 | | 5.0 | 0.93 | ug/L | | 09/14/15 11:41 | 09/15/15 16:15 | 1 |
| Lead | 9.9 | J | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 16:15 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Total Suspended Solids | 320 | | 2.0 | 2.0 | mg/L | | | 09/15/15 18:05 | 1 |
| pH | 7.62 | HF | 0.100 | 0.100 | SU | | | 09/12/15 13:27 | 1 |

Client Sample ID: WS-18036-091015-010

Lab Sample ID: 180-47667-10

Date Collected: 09/10/15 12:15

Matrix: Water

Date Received: 09/11/15 09:20

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 | | | 09/21/15 23:51 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 23:51 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 23:51 | 1 |
| Trichloroethene | 1.7 | | 1.0 | 0.14 | ug/L | | | 09/21/15 23:51 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/21/15 23:51 | 1 |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 23:51 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/21/15 23:51 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 112 | | 58 - 135 | | | | | 09/21/15 23:51 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | 62 - 123 | | | | | 09/21/15 23:51 | 1 |

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: WS-18036-091015-010

Lab Sample ID: 180-47667-10

Date Collected: 09/10/15 12:15

Matrix: Water

Date Received: 09/11/15 09:20

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

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| Toluene-d8 (Surr) | 101 | | 71 - 118 | | 09/21/15 23:51 | 1 |
| Dibromofluoromethane (Surr) | 111 | | 64 - 128 | | 09/21/15 23:51 | 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 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 17:24 | 1 |
| Chromium | 4.6 | J | 5.0 | 0.93 | ug/L | | 09/14/15 11:41 | 09/15/15 17:24 | 1 |
| Lead | 3.7 | J | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 17:24 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Total Suspended Solids | 150 | | 2.0 | 2.0 | mg/L | | | 09/15/15 18:05 | 1 |
| pH | 7.52 | HF | 0.100 | 0.100 | SU | | | 09/12/15 14:28 | 1 |

Client Sample ID: WS-18036-091015-011

Lab Sample ID: 180-47667-11

Date Collected: 09/10/15 12:45

Matrix: Water

Date Received: 09/11/15 09:20

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 | | | 09/22/15 00:15 | 1 |
| Tetrachloroethene | 1.0 | | 1.0 | 0.15 | ug/L | | | 09/22/15 00:15 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/22/15 00:15 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/22/15 00:15 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/22/15 00:15 | 1 |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/22/15 00:15 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/22/15 00:15 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111 | | 58 - 135 | | 09/22/15 00:15 | 1 |
| 4-Bromofluorobenzene (Surr) | 92 | | 62 - 123 | | 09/22/15 00:15 | 1 |
| Toluene-d8 (Surr) | 101 | | 71 - 118 | | 09/22/15 00:15 | 1 |
| Dibromofluoromethane (Surr) | 108 | | 64 - 128 | | 09/22/15 00:15 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Cadmium | 1.3 | J | 5.0 | 0.25 | ug/L | | 09/15/15 06:57 | 09/16/15 12:33 | 1 |
| Chromium | 5.0 | U | 5.0 | 0.93 | ug/L | | 09/15/15 06:57 | 09/16/15 12:33 | 1 |
| Lead | 2.2 | J | 10 | 2.0 | ug/L | | 09/15/15 06:57 | 09/16/15 12:33 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-------|-------|------|---|----------|----------------|---------|
| Total Suspended Solids | 3.6 | | 0.50 | 0.50 | mg/L | | | 09/15/15 18:05 | 1 |
| pH | 7.90 | HF | 0.100 | 0.100 | SU | | | 09/12/15 14:32 | 1 |

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Client Sample ID: TB-18036-091015-01

Lab Sample ID: 180-47667-12

Date Collected: 09/10/15 08:00

Matrix: Water

Date Received: 09/11/15 09:20

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------|-------------|------------|-----|------|------|---|----------|----------------|---------|
| Methylene Chloride | 0.45 | J B | 1.0 | 0.15 | ug/L | | | 09/21/15 13:21 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 13:21 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 13:21 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/21/15 13:21 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/21/15 13:21 | 1 |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 13:21 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/21/15 13:21 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100 | | 58 - 135 | | 09/21/15 13:21 | 1 |
| 4-Bromofluorobenzene (Surr) | 93 | | 62 - 123 | | 09/21/15 13:21 | 1 |
| Toluene-d8 (Surr) | 98 | | 71 - 118 | | 09/21/15 13:21 | 1 |
| Dibromofluoromethane (Surr) | 104 | | 64 - 128 | | 09/21/15 13:21 | 1 |



QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: MB 180-154014/5

Matrix: Water

Analysis Batch: 154014

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 | | | 09/17/15 13:57 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 13:57 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 13:57 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/17/15 13:57 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/17/15 13:57 | 1 |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/17/15 13:57 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/17/15 13:57 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108 | | 58 - 135 | | 09/17/15 13:57 | 1 |
| 4-Bromofluorobenzene (Surr) | 88 | | 62 - 123 | | 09/17/15 13:57 | 1 |
| Toluene-d8 (Surr) | 101 | | 71 - 118 | | 09/17/15 13:57 | 1 |
| Dibromofluoromethane (Surr) | 107 | | 64 - 128 | | 09/17/15 13:57 | 1 |

Lab Sample ID: LCS 180-154014/1002

Matrix: Water

Analysis Batch: 154014

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methylene Chloride | 10.0 | 7.67 | | ug/L | | 77 | 60 - 140 |
| Tetrachloroethene | 10.0 | 10.9 | | ug/L | | 109 | 73 - 127 |
| Toluene | 10.0 | 9.99 | | ug/L | | 100 | 74 - 126 |
| Trichloroethene | 10.0 | 10.8 | | ug/L | | 108 | 73 - 125 |
| Vinyl chloride | 10.0 | 7.91 | | ug/L | | 79 | 30 - 140 |
| 1,2-Dichlorobenzene | 10.0 | 8.80 | | ug/L | | 88 | 68 - 127 |
| cis-1,2-Dichloroethene | 10.0 | 8.59 | | ug/L | | 86 | 69 - 127 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 98 | | 58 - 135 |
| 4-Bromofluorobenzene (Surr) | 96 | | 62 - 123 |
| Toluene-d8 (Surr) | 107 | | 71 - 118 |
| Dibromofluoromethane (Surr) | 102 | | 64 - 128 |

Lab Sample ID: 180-47663-D-10 MS

Matrix: Water

Analysis Batch: 154014

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 | 10.0 | 9.12 | | ug/L | | 91 | 60 - 140 |
| Tetrachloroethene | 1.0 | U | 10.0 | 11.9 | | ug/L | | 119 | 73 - 127 |
| Toluene | 1.0 | U | 10.0 | 10.5 | | ug/L | | 105 | 74 - 126 |
| Trichloroethene | 0.80 | J F1 | 10.0 | 13.4 | F1 | ug/L | | 126 | 73 - 125 |
| Vinyl chloride | 1.0 | U | 10.0 | 9.82 | | ug/L | | 98 | 30 - 140 |
| 1,2-Dichlorobenzene | 1.0 | U | 10.0 | 10.1 | | ug/L | | 101 | 68 - 127 |
| cis-1,2-Dichloroethene | 1.0 | U | 10.0 | 10.2 | | ug/L | | 102 | 69 - 127 |

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: 180-47663-D-10 MS

Matrix: Water

Analysis Batch: 154014

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Surrogate | MS MS | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 115 | | 58 - 135 |
| 4-Bromofluorobenzene (Surr) | 99 | | 62 - 123 |
| Toluene-d8 (Surr) | 103 | | 71 - 118 |
| Dibromofluoromethane (Surr) | 115 | | 64 - 128 |

Lab Sample ID: MB 180-154282/4

Matrix: Water

Analysis Batch: 154282

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Methylene Chloride | 0.184 | J | 1.0 | 0.15 | ug/L | | | 09/21/15 12:19 | 1 |
| Tetrachloroethene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 12:19 | 1 |
| Toluene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 12:19 | 1 |
| Trichloroethene | 1.0 | U | 1.0 | 0.14 | ug/L | | | 09/21/15 12:19 | 1 |
| Vinyl chloride | 1.0 | U | 1.0 | 0.23 | ug/L | | | 09/21/15 12:19 | 1 |
| 1,2-Dichlorobenzene | 1.0 | U | 1.0 | 0.15 | ug/L | | | 09/21/15 12:19 | 1 |
| cis-1,2-Dichloroethene | 1.0 | U | 1.0 | 0.24 | ug/L | | | 09/21/15 12:19 | 1 |

| Surrogate | MB MB | | Limits | Prepared | Analyzed | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 1,2-Dichloroethane-d4 (Surr) | 96 | | 58 - 135 | | 09/21/15 12:19 | 1 |
| 4-Bromofluorobenzene (Surr) | 98 | | 62 - 123 | | 09/21/15 12:19 | 1 |
| Toluene-d8 (Surr) | 99 | | 71 - 118 | | 09/21/15 12:19 | 1 |
| Dibromofluoromethane (Surr) | 93 | | 64 - 128 | | 09/21/15 12:19 | 1 |

Lab Sample ID: LCS 180-154282/1002

Matrix: Water

Analysis Batch: 154282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|------|--------------|
| | | | | | | | |
| Tetrachloroethene | 10.0 | 10.2 | | ug/L | | 102 | 73 - 127 |
| Toluene | 10.0 | 10.2 | | ug/L | | 102 | 74 - 126 |
| Trichloroethene | 10.0 | 9.51 | | ug/L | | 95 | 73 - 125 |
| Vinyl chloride | 10.0 | 8.98 | | ug/L | | 90 | 30 - 140 |
| 1,2-Dichlorobenzene | 10.0 | 10.3 | | ug/L | | 103 | 68 - 127 |
| cis-1,2-Dichloroethene | 10.0 | 8.73 | | ug/L | | 87 | 69 - 127 |

| Surrogate | LCS LCS | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 83 | | 58 - 135 |
| 4-Bromofluorobenzene (Surr) | 108 | | 62 - 123 |
| Toluene-d8 (Surr) | 104 | | 71 - 118 |
| Dibromofluoromethane (Surr) | 85 | | 64 - 128 |

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: 180-47667-9 MS

Matrix: Water

Analysis Batch: 154282

Client Sample ID: WS-18036-091015-009

Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MS MS | | Unit | D | %Rec | %Rec. |
|------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|
| | Result | Qualifier | | Result | Qualifier | | | | |
| Methylene Chloride | 1.0 | U | 10.0 | 7.64 | | ug/L | | 76 | 60 - 140 |
| Tetrachloroethene | 1.0 | U | 10.0 | 10.1 | | ug/L | | 101 | 73 - 127 |
| Toluene | 1.0 | U | 10.0 | 9.60 | | ug/L | | 96 | 74 - 126 |
| Trichloroethene | 1.0 | U | 10.0 | 9.31 | | ug/L | | 93 | 73 - 125 |
| Vinyl chloride | 1.0 | U | 10.0 | 9.27 | | ug/L | | 93 | 30 - 140 |
| 1,2-Dichlorobenzene | 1.0 | U | 10.0 | 10.6 | | ug/L | | 106 | 68 - 127 |
| cis-1,2-Dichloroethene | 1.0 | U | 10.0 | 8.74 | | ug/L | | 87 | 69 - 127 |

| Surrogate | MS MS | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 77 | | 58 - 135 |
| 4-Bromofluorobenzene (Surr) | 104 | | 62 - 123 |
| Toluene-d8 (Surr) | 97 | | 71 - 118 |
| Dibromofluoromethane (Surr) | 81 | | 64 - 128 |

Lab Sample ID: 180-47667-9 MSD

Matrix: Water

Analysis Batch: 154282

Client Sample ID: WS-18036-091015-009

Prep Type: Total/NA

| Analyte | Sample | Sample | Spike | MSD MSD | | Unit | D | %Rec | %Rec. | RPD | Limit |
|------------------------|--------|-----------|-------|---------|-----------|------|---|------|----------|-----|-------|
| | Result | Qualifier | | Result | Qualifier | | | | | | |
| Methylene Chloride | 1.0 | U | 10.0 | 7.66 | | ug/L | | 77 | 60 - 140 | 0 | 25 |
| Tetrachloroethene | 1.0 | U | 10.0 | 9.24 | | ug/L | | 92 | 73 - 127 | 9 | 25 |
| Toluene | 1.0 | U | 10.0 | 9.20 | | ug/L | | 92 | 74 - 126 | 4 | 25 |
| Trichloroethene | 1.0 | U | 10.0 | 8.96 | | ug/L | | 90 | 73 - 125 | 4 | 25 |
| Vinyl chloride | 1.0 | U | 10.0 | 9.08 | | ug/L | | 91 | 30 - 140 | 2 | 35 |
| 1,2-Dichlorobenzene | 1.0 | U | 10.0 | 9.96 | | ug/L | | 100 | 68 - 127 | 6 | 35 |
| cis-1,2-Dichloroethene | 1.0 | U | 10.0 | 8.40 | | ug/L | | 84 | 69 - 127 | 4 | 20 |

| Surrogate | MSD MSD | | Limits |
|------------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 1,2-Dichloroethane-d4 (Surr) | 76 | | 58 - 135 |
| 4-Bromofluorobenzene (Surr) | 98 | | 62 - 123 |
| Toluene-d8 (Surr) | 90 | | 71 - 118 |
| Dibromofluoromethane (Surr) | 79 | | 64 - 128 |

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-153573/1-A

Matrix: Water

Analysis Batch: 153775

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 153573

| Analyte | MB MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Cadmium | 5.0 | U | 5.0 | 0.25 | ug/L | | 09/14/15 11:41 | 09/15/15 14:28 | 1 |
| Chromium | 5.0 | U | 5.0 | 0.93 | ug/L | | 09/14/15 11:41 | 09/15/15 14:28 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/14/15 11:41 | 09/15/15 14:28 | 1 |

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: LCS 180-153573/2-A
Matrix: Water
Analysis Batch: 153775

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 153573

| Analyte | Spike Added | LCS | | Unit | D | %Rec | Limits |
|----------|-------------|--------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | |
| Cadmium | 50.0 | 47.6 | | ug/L | | 95 | 85 - 115 |
| Chromium | 200 | 204 | | ug/L | | 102 | 85 - 115 |
| Lead | 500 | 486 | | ug/L | | 97 | 85 - 115 |

Lab Sample ID: 180-47667-9 MS
Matrix: Water
Analysis Batch: 153775

Client Sample ID: WS-18036-091015-009
Prep Type: Total Recoverable
Prep Batch: 153573

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS | | Unit | D | %Rec | Limits |
|----------|---------------|------------------|-------------|--------|-----------|------|---|------|----------|
| | | | | Result | Qualifier | | | | |
| Cadmium | 5.0 | U | 50.0 | 46.6 | | ug/L | | 93 | 70 - 130 |
| Chromium | 9.0 | | 200 | 225 | | ug/L | | 108 | 70 - 130 |
| Lead | 9.9 | J | 500 | 500 | | ug/L | | 98 | 70 - 130 |

Lab Sample ID: 180-47667-9 MSD
Matrix: Water
Analysis Batch: 153775

Client Sample ID: WS-18036-091015-009
Prep Type: Total Recoverable
Prep Batch: 153573

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD | | Unit | D | %Rec | Limits | RPD | Limit |
|----------|---------------|------------------|-------------|--------|-----------|------|---|------|----------|-----|-------|
| | | | | Result | Qualifier | | | | | | |
| Cadmium | 5.0 | U | 50.0 | 46.0 | | ug/L | | 92 | 70 - 130 | 1 | 20 |
| Chromium | 9.0 | | 200 | 205 | | ug/L | | 98 | 70 - 130 | 10 | 20 |
| Lead | 9.9 | J | 500 | 485 | | ug/L | | 95 | 70 - 130 | 3 | 20 |

Lab Sample ID: MB 180-153654/1-A
Matrix: Water
Analysis Batch: 153915

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 153654

| Analyte | MB | | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | | |
| Cadmium | 5.0 | U | 5.0 | 0.25 | ug/L | | 09/15/15 06:57 | 09/16/15 12:17 | 1 |
| Chromium | 5.0 | U | 5.0 | 0.93 | ug/L | | 09/15/15 06:57 | 09/16/15 12:17 | 1 |
| Lead | 10 | U | 10 | 2.0 | ug/L | | 09/15/15 06:57 | 09/16/15 12:17 | 1 |

Lab Sample ID: LCS 180-153654/2-A
Matrix: Water
Analysis Batch: 153915

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 153654

| Analyte | Spike Added | LCS | | Unit | D | %Rec | Limits |
|----------|-------------|--------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | |
| Cadmium | 50.0 | 48.4 | | ug/L | | 97 | 85 - 115 |
| Chromium | 200 | 188 | | ug/L | | 94 | 85 - 115 |
| Lead | 500 | 493 | | ug/L | | 99 | 85 - 115 |

Lab Sample ID: 180-47667-11 MS
Matrix: Water
Analysis Batch: 153915

Client Sample ID: WS-18036-091015-011
Prep Type: Total Recoverable
Prep Batch: 153654

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS | | Unit | D | %Rec | Limits |
|----------|---------------|------------------|-------------|--------|-----------|------|---|------|----------|
| | | | | Result | Qualifier | | | | |
| Cadmium | 1.3 | J | 50.0 | 50.2 | | ug/L | | 98 | 70 - 130 |
| Chromium | 5.0 | U | 200 | 195 | | ug/L | | 97 | 70 - 130 |
| Lead | 2.2 | J | 500 | 503 | | ug/L | | 100 | 70 - 130 |

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

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

Lab Sample ID: 180-47667-11 MSD
Matrix: Water
Analysis Batch: 153915

Client Sample ID: WS-18036-091015-011
Prep Type: Total Recoverable
Prep Batch: 153654

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Cadmium | 1.3 | J | 50.0 | 49.4 | | ug/L | | 96 | 70 - 130 | 2 | 20 |
| Chromium | 5.0 | U | 200 | 192 | | ug/L | | 96 | 70 - 130 | 1 | 20 |
| Lead | 2.2 | J | 500 | 502 | | ug/L | | 100 | 70 - 130 | 0 | 20 |

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

Lab Sample ID: MB 180-153771/2
Matrix: Water
Analysis Batch: 153771

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 | 0.50 | U | 0.50 | 0.50 | mg/L | | | 09/15/15 18:05 | 1 |

Lab Sample ID: LCS 180-153771/1
Matrix: Water
Analysis Batch: 153771

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 | 53.8 | 54.0 | | mg/L | | 100 | 80 - 120 |

Lab Sample ID: 180-47667-3 DU
Matrix: Water
Analysis Batch: 153771

Client Sample ID: WS-18036-091015-003
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Suspended Solids | 22 | | 20.2 | | mg/L | | 7 | 10 |

Lab Sample ID: 180-47667-9 DU
Matrix: Water
Analysis Batch: 153771

Client Sample ID: WS-18036-091015-009
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|------------------------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| Total Suspended Solids | 320 | | 320 | | mg/L | | 1 | 10 |

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-153442/1
Matrix: Water
Analysis Batch: 153442

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 | 6.970 | | SU | | 100 | 99 - 101 |

Lab Sample ID: 180-47667-9 DU
Matrix: Water
Analysis Batch: 153442

Client Sample ID: WS-18036-091015-009
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| pH | 7.62 | HF | 7.650 | HF | SU | | 0.4 | 2 |

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Lab Sample ID: LCS 180-153443/1
Matrix: Water
Analysis Batch: 153443

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

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

Lab Sample ID: 180-47667-10 DU
Matrix: Water
Analysis Batch: 153443

Client Sample ID: WS-18036-091015-010
Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | RPD Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-----------|
| pH | 7.52 | HF | 7.580 | | SU | | 0.8 | 2 |

- 1
- 2
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- 11
- 12
- 13

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

GC/MS VOA

Analysis Batch: 154014

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|---------------------|-----------|--------|--------|------------|
| 180-47663-D-10 MS | Matrix Spike | Total/NA | Water | 624 | |
| 180-47667-1 | WS-18036-091015-001 | Total/NA | Water | 624 | |
| 180-47667-2 | WS-18036-091015-002 | Total/NA | Water | 624 | |
| 180-47667-3 | WS-18036-091015-003 | Total/NA | Water | 624 | |
| 180-47667-4 | WS-18036-091015-004 | Total/NA | Water | 624 | |
| LCS 180-154014/1002 | Lab Control Sample | Total/NA | Water | 624 | |
| MB 180-154014/5 | Method Blank | Total/NA | Water | 624 | |

Analysis Batch: 154282

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|---------------------|-----------|--------|--------|------------|
| 180-47667-3 - DL | WS-18036-091015-003 | Total/NA | Water | 624 | |
| 180-47667-4 - DL | WS-18036-091015-004 | Total/NA | Water | 624 | |
| 180-47667-5 | WS-18036-091015-005 | Total/NA | Water | 624 | |
| 180-47667-6 | WS-18036-091015-006 | Total/NA | Water | 624 | |
| 180-47667-7 | WS-18036-091015-007 | Total/NA | Water | 624 | |
| 180-47667-8 | WS-18036-091015-008 | Total/NA | Water | 624 | |
| 180-47667-9 | WS-18036-091015-009 | Total/NA | Water | 624 | |
| 180-47667-9 MS | WS-18036-091015-009 | Total/NA | Water | 624 | |
| 180-47667-9 MSD | WS-18036-091015-009 | Total/NA | Water | 624 | |
| 180-47667-10 | WS-18036-091015-010 | Total/NA | Water | 624 | |
| 180-47667-11 | WS-18036-091015-011 | Total/NA | Water | 624 | |
| 180-47667-12 | TB-18036-091015-01 | Total/NA | Water | 624 | |
| LCS 180-154282/1002 | Lab Control Sample | Total/NA | Water | 624 | |
| MB 180-154282/4 | Method Blank | Total/NA | Water | 624 | |

Metals

Prep Batch: 153573

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---------------------|-------------------|--------|--------|------------|
| 180-47667-1 | WS-18036-091015-001 | Total Recoverable | Water | 200.7 | |
| 180-47667-2 | WS-18036-091015-002 | Total Recoverable | Water | 200.7 | |
| 180-47667-3 | WS-18036-091015-003 | Total Recoverable | Water | 200.7 | |
| 180-47667-4 | WS-18036-091015-004 | Total Recoverable | Water | 200.7 | |
| 180-47667-5 | WS-18036-091015-005 | Total Recoverable | Water | 200.7 | |
| 180-47667-6 | WS-18036-091015-006 | Total Recoverable | Water | 200.7 | |
| 180-47667-7 | WS-18036-091015-007 | Total Recoverable | Water | 200.7 | |
| 180-47667-8 | WS-18036-091015-008 | Total Recoverable | Water | 200.7 | |
| 180-47667-9 | WS-18036-091015-009 | Total Recoverable | Water | 200.7 | |
| 180-47667-9 MS | WS-18036-091015-009 | Total Recoverable | Water | 200.7 | |
| 180-47667-9 MSD | WS-18036-091015-009 | Total Recoverable | Water | 200.7 | |
| 180-47667-10 | WS-18036-091015-010 | Total Recoverable | Water | 200.7 | |
| LCS 180-153573/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 | |
| MB 180-153573/1-A | Method Blank | Total Recoverable | Water | 200.7 | |

Prep Batch: 153654

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---------------------|-------------------|--------|--------|------------|
| 180-47667-11 | WS-18036-091015-011 | Total Recoverable | Water | 200.7 | |
| 180-47667-11 MS | WS-18036-091015-011 | Total Recoverable | Water | 200.7 | |
| 180-47667-11 MSD | WS-18036-091015-011 | Total Recoverable | Water | 200.7 | |
| LCS 180-153654/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 | |

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

Metals (Continued)

Prep Batch: 153654 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-------------------|--------|--------|------------|
| MB 180-153654/1-A | Method Blank | Total Recoverable | Water | 200.7 | |

Analysis Batch: 153775

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---------------------|-------------------|--------|---------------|------------|
| 180-47667-1 | WS-18036-091015-001 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47667-2 | WS-18036-091015-002 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47667-3 | WS-18036-091015-003 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47667-4 | WS-18036-091015-004 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47667-5 | WS-18036-091015-005 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47667-6 | WS-18036-091015-006 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47667-7 | WS-18036-091015-007 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47667-8 | WS-18036-091015-008 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47667-9 | WS-18036-091015-009 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47667-9 MS | WS-18036-091015-009 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47667-9 MSD | WS-18036-091015-009 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| 180-47667-10 | WS-18036-091015-010 | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| LCS 180-153573/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |
| MB 180-153573/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 153573 |

Analysis Batch: 153915

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|---------------------|-------------------|--------|---------------|------------|
| 180-47667-11 | WS-18036-091015-011 | Total Recoverable | Water | 200.7 Rev 4.4 | 153654 |
| 180-47667-11 MS | WS-18036-091015-011 | Total Recoverable | Water | 200.7 Rev 4.4 | 153654 |
| 180-47667-11 MSD | WS-18036-091015-011 | Total Recoverable | Water | 200.7 Rev 4.4 | 153654 |
| LCS 180-153654/2-A | Lab Control Sample | Total Recoverable | Water | 200.7 Rev 4.4 | 153654 |
| MB 180-153654/1-A | Method Blank | Total Recoverable | Water | 200.7 Rev 4.4 | 153654 |

General Chemistry

Analysis Batch: 153442

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|---------------------|-----------|--------|--------------|------------|
| 180-47667-1 | WS-18036-091015-001 | Total/NA | Water | SM 4500 H+ B | |
| 180-47667-2 | WS-18036-091015-002 | Total/NA | Water | SM 4500 H+ B | |
| 180-47667-3 | WS-18036-091015-003 | Total/NA | Water | SM 4500 H+ B | |
| 180-47667-4 | WS-18036-091015-004 | Total/NA | Water | SM 4500 H+ B | |
| 180-47667-5 | WS-18036-091015-005 | Total/NA | Water | SM 4500 H+ B | |
| 180-47667-6 | WS-18036-091015-006 | Total/NA | Water | SM 4500 H+ B | |
| 180-47667-7 | WS-18036-091015-007 | Total/NA | Water | SM 4500 H+ B | |
| 180-47667-8 | WS-18036-091015-008 | Total/NA | Water | SM 4500 H+ B | |
| 180-47667-9 | WS-18036-091015-009 | Total/NA | Water | SM 4500 H+ B | |
| 180-47667-9 DU | WS-18036-091015-009 | Total/NA | Water | SM 4500 H+ B | |
| LCS 180-153442/1 | Lab Control Sample | Total/NA | Water | SM 4500 H+ B | |

Analysis Batch: 153443

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|---------------------|-----------|--------|--------------|------------|
| 180-47667-10 | WS-18036-091015-010 | Total/NA | Water | SM 4500 H+ B | |
| 180-47667-10 DU | WS-18036-091015-010 | Total/NA | Water | SM 4500 H+ B | |
| 180-47667-11 | WS-18036-091015-011 | Total/NA | Water | SM 4500 H+ B | |
| LCS 180-153443/1 | Lab Control Sample | Total/NA | Water | SM 4500 H+ B | |

TestAmerica Pittsburgh

QC Association Summary

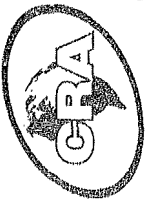
Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-47667-1

General Chemistry (Continued)

Analysis Batch: 153771

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|---------------------|-----------|--------|----------|------------|
| 180-47667-1 | WS-18036-091015-001 | Total/NA | Water | SM 2540D | |
| 180-47667-2 | WS-18036-091015-002 | Total/NA | Water | SM 2540D | |
| 180-47667-3 | WS-18036-091015-003 | Total/NA | Water | SM 2540D | |
| 180-47667-3 DU | WS-18036-091015-003 | Total/NA | Water | SM 2540D | |
| 180-47667-4 | WS-18036-091015-004 | Total/NA | Water | SM 2540D | |
| 180-47667-5 | WS-18036-091015-005 | Total/NA | Water | SM 2540D | |
| 180-47667-6 | WS-18036-091015-006 | Total/NA | Water | SM 2540D | |
| 180-47667-7 | WS-18036-091015-007 | Total/NA | Water | SM 2540D | |
| 180-47667-8 | WS-18036-091015-008 | Total/NA | Water | SM 2540D | |
| 180-47667-9 | WS-18036-091015-009 | Total/NA | Water | SM 2540D | |
| 180-47667-9 DU | WS-18036-091015-009 | Total/NA | Water | SM 2540D | |
| 180-47667-10 | WS-18036-091015-010 | Total/NA | Water | SM 2540D | |
| 180-47667-11 | WS-18036-091015-011 | Total/NA | Water | SM 2540D | |
| LCS 180-153771/1 | Lab Control Sample | Total/NA | Water | SM 2540D | |
| MB 180-153771/2 | Method Blank | Total/NA | Water | SM 2540D | |



CONESTOGA-ROVERS & ASSOCIATES
GHD Services Inc.

CHAIN OF CUSTODY RECORD
Address: 2855 Niagara Falls Blvd, Niagara Falls, NY
Phone: 716 297 4180 Fax: 716 297 2265

COC NO.: 48143
PAGE 1 OF 1
(See Reverse Side for Instructions)

| Project No/Phase/Task Code: 18036 - 2014 | | Laboratory Name: Test America | | Lab Location: Pittsford, NY | | SSOW ID: 18036 | | | | | | |
|---|---------------------|-----------------------------------|---|---|---|--------------------------|---|---------|--------------|------------|--------------|--|
| Project Name: Buffalo Airport Quarterly Stormwater | | Lab Contact: Jill Colussy | | Lab Quote No: 18006817 | | Cooler No: 2 Coolers | | | | | | |
| Project Location: Buffalo Airport; Cheektowaga, NY | | CONTAINER QUANTITY & PRESERVATION | | ANALYSIS REQUESTED (See Back of COC for Definitions) | | Carrier: Fedex | | | | | | |
| Chemistry Contact: Sue Scrocchi | | SAMPLE TYPE | | Total Containers/Sample | | Airbill No: | | | | | | |
| Sampler(s): Kevin Lynch; Doug Oscar | | Matrix Code | | Other: | | Date Shipped: 9/10/15 | | | | | | |
| SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line) | | DATE (mm/dd/yy) | | TIME (hh:mm) | | SPECIAL INSTRUCTIONS: | | | | | | |
| Item | | Grab (G) or Comp (C) | | Unpreserved | | MS/MSD Request | | | | | | |
| | | Hydrochloric Acid (HCl) | | Sulfuric Acid (H ₂ SO ₄) | | | | | | | | |
| | | Nitric Acid (HNO ₃) | | Sodium Hydroxide (NaOH) | | | | | | | | |
| | | Methanol/Water (Soil) | | VOC | | | | | | | | |
| | | EnCores 3x5-g, 1x25-g | | Other: | | | | | | | | |
| 1 | WS-18036-091015-001 | 9/10/15 | G | 2 | 3 | 1 | 6 | 624 VOA | 300.7 Metals | 2540 D TSS | SM4500 HF pH | |
| 2 | WS-18036-091015-002 | 9/10/15 | G | 2 | 3 | 1 | 6 | | | | | |
| 3 | WS-18036-091015-003 | 9/10/15 | G | 2 | 3 | 1 | 6 | | | | | |
| 4 | WS-18036-091015-004 | 9/10/15 | G | 2 | 3 | 1 | 6 | | | | | |
| 5 | WS-18036-091015-005 | 9/10/15 | G | 2 | 3 | 1 | 6 | | | | | |
| 6 | WS-18036-091015-006 | 9/10/15 | G | 2 | 3 | 1 | 6 | | | | | |
| 7 | WS-18036-091015-007 | 9/10/15 | G | 2 | 3 | 1 | 6 | | | | | |
| 8 | WS-18036-091015-008 | 9/10/15 | G | 2 | 3 | 1 | 6 | | | | | |
| 9 | WS-18036-091015-009 | 9/10/15 | G | 4 | 3 | 1 | 6 | 9 HCl | | | | |
| 10 | WS-18036-091015-010 | 9/10/15 | G | 2 | 3 | 1 | 6 | | | | | |
| 11 | WS-18036-091015-011 | 9/10/15 | G | 2 | 3 | 1 | 6 | | | | | |
| 12 | TB-18036-091015-01 | 9/10/15 | - | 2 | 2 | - | 2 | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |

180-47667 Chain of Custody

TAT Required in business days (use separate COCs for different TATs):
 1 Day 2 Days 3 Days 1 Week 2 Weeks Other: Per SSOW

REQUISITIONED BY: *[Signature]* COMPANY: GHD DATE: 9/10/15 TIME: 1330*
 RECEIVED BY: *[Signature]* COMPANY: F&B DATE: 9-11-15 TIME: 9:10

Total Number of Containers: 72 Notes/ Special Requirements: No MS/MSD for pH
 All Samples in Cooler must be on COC

Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-47667-1

Login Number: 47667

List Number: 1

Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh

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



ATTACHMENT C

DATA VALIDATION AND USABILITY EVALUATION
SEPTEMBER 2015 GROUNDWATER AND SURFACE WATER
SAMPLING



Memorandum

To: Leo Brausch [lbrausch@brauschenv.com], Jim Kay Ref. No.: 018036

From: Paul McMahon/adh/4 *pm* Date: September 29, 2015

CC: Kevin Lynch

**Re: Analytical Results and Reduced Validation
Groundwater and Surface Water Monitoring Program
CBS Corporation Airport Site – Cheektowaga, New York
September 2015**

1. Introduction

This document details a reduced validation of analytical results for surface water and groundwater samples collected at the Cheektowaga, New York Site on September 10, 2015. Samples were submitted to TestAmerica Laboratories, Inc. (TA), located in Pittsburgh, Pennsylvania. A sample collection and analysis summary is presented in Table 1. A summary of the analytical methodology is presented in Table 2.

Standard GHD deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, duplicate data, recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spikes (MS), and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 2 and applicable guidance from the documents entitled:

- i) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review", United States Environmental Protection Agency (USEPA) 540 R 10 011, January 2010
- ii) "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review", USEPA 540 R 08 01, June 2008
- iii) "Groundwater and Surface Water Monitoring Program Quality Assurance Project Plan", September 2014

2. Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 2. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were analyzed within the required holding times except pH. pH is a field parameter, and the associated laboratory results were qualified as estimated (see Table 3).

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

Most method blank results were non-detect. Methylene chloride was detected in one method blank; associated detected sample results with similar concentrations were qualified as non-detect (see Table 4).

4. Surrogate Spike Recoveries - Organic Analyses

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries were acceptable, demonstrating good analytical efficiency.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

5.1 Organic Analyses

The LCS contained all compounds of interest. All LCS recoveries were within the laboratory control limits, demonstrating acceptable analytical accuracy.

5.2 Inorganic Analyses

The LCS contained all analytes of interest. LCS recoveries were assessed per the "Guidelines". All LCS recoveries were within the control limits, demonstrating acceptable analytical accuracy.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the preparatory procedures, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed as specified in Table 1. The laboratory performed additional site-specific MS/MSD analyses internally.

6.1 Organic Analyses

The MS/MSD samples were spiked with all compounds of interest. Most percent recoveries and all RPD values were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision. One high MS recovery was reported, and the associated sample result was qualified as estimated (see Table 5).

6.2 Inorganic Analyses

The MS/MSD samples were spiked with the analytes of interest, and the results were evaluated using the "Guidelines". All percent recoveries and RPD values were within the control limits, demonstrating acceptable analytical accuracy and precision.

7. Duplicate Sample Analyses – Inorganic Analyses

Analytical precision is evaluated based on the analysis of laboratory duplicate samples. For this study, duplicate samples were prepared and analyzed by the laboratory as specified in Table 1. The laboratory performed additional site-specific duplicate analyses internally. The duplicate results were evaluated per the "Guidelines". All duplicate analyses performed were acceptable, demonstrating acceptable analytical precision.

8. Field QA/QC Samples

The field QA/QC consisted of two trip blank samples and two field duplicate sample sets.

8.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, two trip blanks were submitted to the laboratory for VOC analysis. Most results were non-detect for the compounds of interest. Methylene chloride was detected in the surface water trip blank. All associated sample results were either non-detect or were previously qualified as non-detect, and no further action was necessary.

8.2 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, two field duplicate sample sets were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the

investigative sample or its duplicate is less than five times the practical quantitation limit (PQL), the evaluation criterion is one times the PQL value.

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

9. Analyte Reporting

The laboratory reported detected results down to the laboratory's method detection limit (MDL) for each analyte. Positive analyte detections less than the report limit (RL) but greater than the MDL were qualified as estimated (J) unless qualified otherwise in this memorandum.

Due to matrix interferences, dilutions were required for the lead analysis for samples collected from locations MW-2 and MW-31. The reporting limit for lead was adjusted accordingly by the laboratory.

10. Conclusion

Based on the assessment detailed in the foregoing, the data are acceptable with the noted qualifications. These qualifications have been applied to the electronic files provided by the laboratory.

Table 1

Sample Collection and Analysis Summary
Groundwater and Surface Water Monitoring Program
CBS Corporation Airport Site
Cheektowaga, New York
September 2015

| Sample ID | Location ID | Collection Date (mm/dd/yy) | Collection Time (hr:min) | Analysis/Parameters | | | Comments |
|------------------------|-------------|-------------------------------|-----------------------------|---------------------|--------|--------|-------------------------------------|
| | | | | VOCs | Metals | pH/TSS | |
| Surface Water | | | | | | | |
| SW-18036-091015-001 | 1B | 09/10/2015 | 8:00 | X | X | X | |
| SW-18036-091015-002 | 1C | 09/10/2015 | 8:30 | X | X | X | |
| SW-18036-091015-003 | 2C | 09/10/2015 | 9:15 | X | X | X | |
| SW-18036-091015-004 | 2C | 09/10/2015 | 9:15 | X | X | X | Duplicate of SW-18036-091015-003 |
| SW-18036-091015-005 | 2A | 09/10/2015 | 10:00 | X | X | X | |
| SW-18036-091015-006 | 2B | 09/10/2015 | 10:10 | X | X | X | |
| SW-18036-091015-007 | 3A | 09/10/2015 | 10:30 | X | X | X | |
| SW-18036-091015-008 | 2D | 09/10/2015 | 10:50 | X | X | X | |
| SW-18036-091015-009 | 3C | 09/10/2015 | 11:30 | X | X | X | MS/MSD/DUP |
| SW-18036-091015-010 | 3B | 09/10/2015 | 12:15 | X | X | X | |
| SW-18036-091015-011 | 1A | 09/10/2015 | 12:45 | X | X | X | |
| TB-18036-091015-01 | - | 09/10/2015 | - | X | | | Trip Blank |
| Groundwater | | | | | | | |
| WG-18036-091015-DT-001 | MW-30 | 9/10/2015 | 8:45 | X | X | | |
| WG-18036-091015-SG-002 | MW-35 | 9/10/2015 | 8:25 | X | X | | MS/MSD |
| WG-18036-091015-DT-003 | MW-34D | 9/10/2015 | 9:50 | X | X | | |
| WG-18036-091015-SG-004 | MW-34 | 9/10/2015 | 9:40 | X | X | | |
| WG-18036-091015-DT-005 | MW-33 | 9/10/2015 | 11:00 | X | X | | |
| WG-18036-091015-SG-006 | MW-2 | 9/10/2015 | 11:00 | X | X | | |
| WG-18036-091015-DT-007 | MW-32 | 9/10/2015 | 12:35 | X | X | | |
| WG-18036-091015-SG-008 | MW-28 | 9/10/2015 | 11:45 | X | X | | |
| WG-18036-091015-DT-009 | MW-32 | 9/10/2015 | 12:35 | X | X | | Duplicate of WG-18036-091015-DT-007 |
| WG-18036-091015-SG-010 | MW-5 | 9/10/2015 | 12:45 | X | X | | |
| WG-18036-091015-SG-011 | MW-31 | 9/10/2015 | 13:55 | X | X | | |
| TB-18036-091015-SG | - | 9/10/2015 | - | X | | | Trip Blank |

Notes:

- - Not applicable
- DUP - Laboratory Duplicate
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- VOCs - Volatile Organic Compounds
- TSS - Total Suspended Solids

Table 2

**Sample Holding Time Criteria and Analytical Method Summary
Groundwater and Surface Water Monitoring Program
CBS Corporation Airport Site
Cheektowaga, New York
September 2015**

| Parameter | Matrix | Analytical Method | Collection to Analysis |
|----------------------------|---------------|-----------------------------|-------------------------------|
| Total Metals | Water | 200.7 ⁽¹⁾ | 180 Days |
| Volatile Organic Compounds | Water | 624 ⁽²⁾ | 14 Days |
| pH | Water | SM 4500 H+ B ⁽³⁾ | Immediate |
| Total Suspended Solids | Water | SM 2540D ⁽³⁾ | 7 Days |

Notes:

- (1) - Referenced from "Methods for the Chemical Analysis of Water and Wastes", (MCAWW), USEPA-600/4-79-020, March 1983 and subsequent revisions
- (2) - Referenced from "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", USEPA-600/4-82-057, July 1982 and subsequent revisions
- (3) - "Standard Methods for the Examination of Water and Wastewater", 20th Edition, 1999 (with subsequent revisions)

Table 3

**Qualified sample Results Due to Holding Time Exceedances
Groundwater and Surface Water Monitoring Program
CBS Corporation Airport Site
Cheektowaga, New York
September 2015**

| Parameter | Holding Time | Holding Time Criteria | Sample ID | Qualified Sample Results | Units |
|------------------|---------------------|------------------------------|---------------------|---------------------------------|--------------|
| pH | 2 days | 15 minutes | SW-18036-091015-001 | 8.16 J | S.U. |
| | | | SW-18036-091015-002 | 8.29 J | S.U. |
| | | | SW-18036-091015-003 | 11.7 J | S.U. |
| | | | SW-18036-091015-004 | 11.7 J | S.U. |
| | | | SW-18036-091015-005 | 8.29 J | S.U. |
| | | | SW-18036-091015-006 | 11.6 J | S.U. |
| | | | SW-18036-091015-007 | 9.55 J | S.U. |
| | | | SW-18036-091015-008 | 8.14 J | S.U. |
| | | | SW-18036-091015-009 | 7.62 J | S.U. |
| | | | SW-18036-091015-010 | 7.52 J | S.U. |
| | | | SW-18036-091015-011 | 7.90 J | S.U. |

Notes:

- J - Estimated concentration
- S.U. - Standard Units

Table 4

**Qualified Sample Results Due to Analyte Concentrations in the Method Blank
Groundwater and Surface Water Monitoring Program
CBS Corporation Airport Site
Cheektowaga, New York
September 2015**

| Parameter | Analysis Date | Analyte | Blank Result | Sample ID | Original Sample Result | Qualified Sample Result | Units |
|-----------|---------------|--------------------|--------------|---------------------|------------------------|-------------------------|-------|
| VOCs | 09/16/2015 | Methylene Chloride | 0.73 J | SW-18036-091015-006 | 0.65 J | 1.0 U | µg/L |
| | | | | SW-18036-091015-007 | 0.60 J | 1.0 U | µg/L |

Notes:

- J - Estimated concentration
- U - Not detected at the associated reporting limit
- VOCs - Volatile Organic Compounds

Table 5

**Qualified Sample Results Due to Outlying Matrix Spike Recoveries
Groundwater and Surface Water Monitoring Program
CBS Corporation Airport Site
Cheektowaga, New York
September 2015**

| Parameter | Spiked Sample ID | Analyte | MS % Recovery | <u>Control Limits</u> % Recovery | Qualified Result | Units |
|------------------|-------------------------|-----------------|--------------------------|---|-----------------------------|--------------|
| VOCs | WG-18036-091015-SG-010 | Trichloroethene | 126 | 73-125 | 0.80 J | µg/L |

Notes:

MS - Matrix Spike

J - Estimated concentration

VOCs - Volatile Organic Compounds