



CBS Corporation

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

Via Electronic and First-Class Mail

May 10, 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, January through March 2014
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 in during the first 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 closure and post-closure monitoring related to the Operable Unit 2 (OU2) groundwater collection and treatment system. This progress report also provides the results from the second round of post-closure groundwater and surface water (storm sewer) monitoring.

1. Site Activities and Status

- A. On January 15, 2015, CBS submitted to NYSDEC a monthly report on the status of activities at the Site in December 2014.¹
- B. On January 28, 2015, CBS submitted to NYSDEC the final closure report for the Operable Unit 2 collection and treatment system. This report documents

¹ Via email dated January 15, 2015, NYSDEC agreed that the frequency of progress reporting could be reduced from monthly to quarterly.

the activities conducted between July and November 2014 to close the collection system and dismantle and remove the treatment plant.

- C. On April 1, 2015, Conestoga-Rovers & Associates (CRA) conducted the second round of quarterly post-closure groundwater and surface water (storm sewer) sampling.²
- D. TestAmerica Laboratories, Inc. (TestAmerica) completed the analyses of the groundwater and surface water (storm sewer) samples that were collected on April 1, 2015. CRA conducted data validation and usability evaluations.

2. Sampling Results and Other Site Data

- A. Table 1 presents the results of the April 2015 groundwater sampling, as well as the results from the prior round of post-closure sampling (*i.e.*, November and December 2014). As shown in this table, none of the monitored constituents was detected at concentrations above their respective remedial action objectives, except for vinyl chloride at well MW-32 located in the northern portion of the Site.
- B. Tables 2 through 4 present the results of the April 2015 surface water (storm sewer) sampling, as well as the results from the prior round of post-closure sampling (*i.e.*, November 2014) and from the baseline sampling (*i.e.*, July 2014). 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.
- C. Attachments A and B provide the analytical laboratory reports for the groundwater and surface water samples collected in April 2015, respectively.
- D. Attachment C provides the data validation and usability evaluation for the samples collected in April 2015.

² Because of adverse winter weather conditions and accumulated snow, the first quarter 2015 groundwater and storm sewer sampling could not be conducted April 1, 2015.

Mr. David P. Locey

May 10, 2015

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3. Upcoming Activities

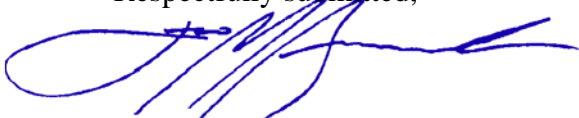
- A. CBS will continue the quarterly OU2 post-closure groundwater and surface water monitoring.
- B. As analytical data are developed and evaluated, CRA will submit electronic data deliverables (EDDs) for incorporation of Site data into the NYSDEC EQuIS database.³

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 status 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.

³ The April 2015 sampling data were submitted for upload to the NYSDEC data base on May 6, 2015.

TABLES

Table 1
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
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
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
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
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
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
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
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
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
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

See notes on following page.

Table 1
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.

Table 2
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
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
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

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 3
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
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
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
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

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 4
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
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 (dup)	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
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 (dup)	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

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

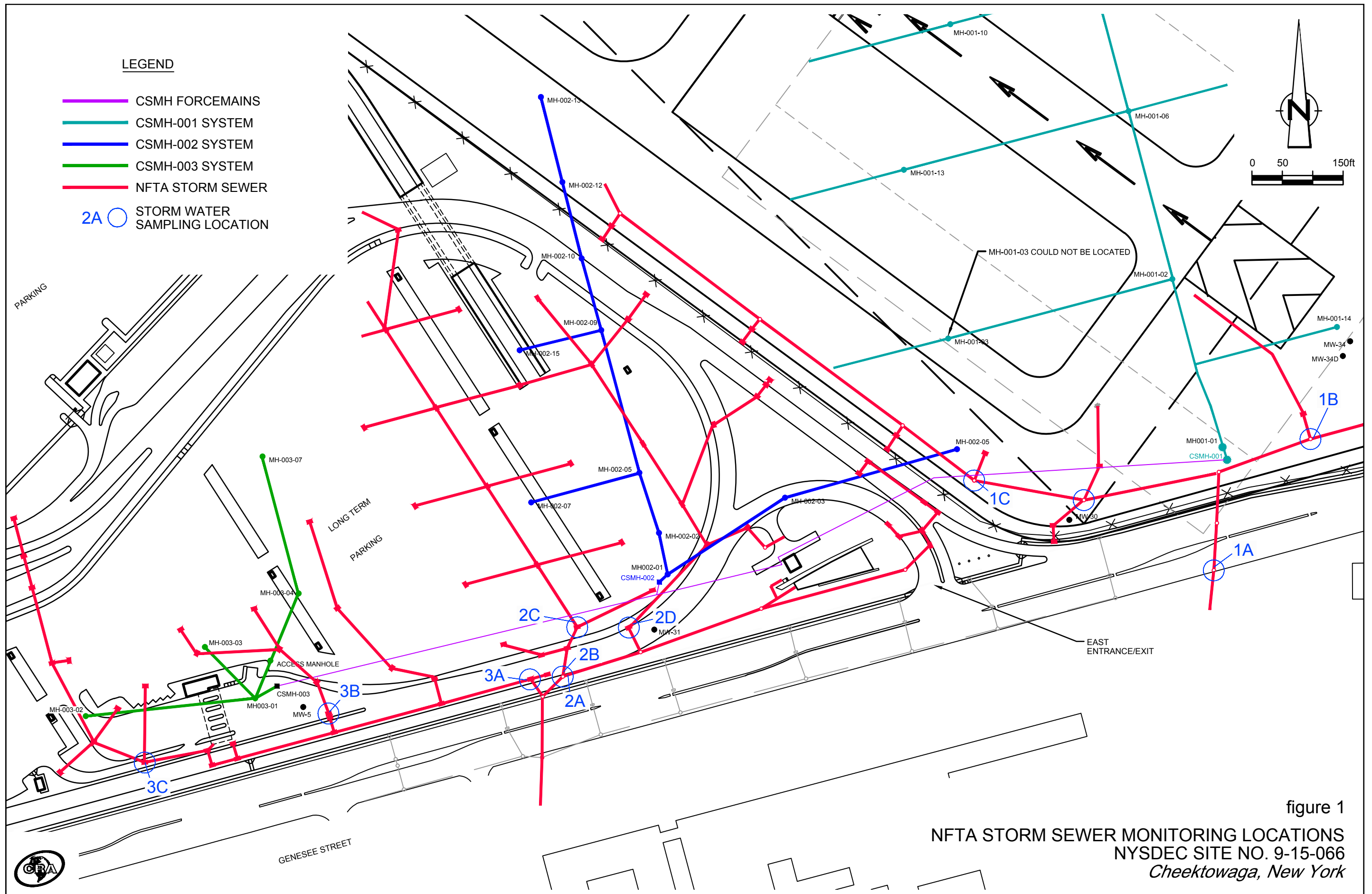


figure 1
 NFTA STORM SEWER MONITORING LOCATIONS
 NYSDEC SITE NO. 9-15-066
 Cheektowaga, New York

ATTACHMENT A
ANALYTICAL LABORATORY REPORT
APRIL 2015 GROUNDWATER SAMPLING

Well Sampling Key
April 1, 2015
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Well No.	Sample No.
MW-34	WG-18036-040115 -001
MW-34D	WG-18036-040115 -002
MW-35	WG-18036-040115 -003
MW-30	WG-18036-040115 -004
MW-35 (dup)	WG-18036-040115 -005
MW-33	WG-18036-040115 -006
MW-2	WG-18036-040115 -007
MW-32	WG-18036-040115 -008
MW-28	WG-18036-040115 -009
MW-5	WG-18036-040115 -010
MW-31	WG-18036-040115 -011
Trip Blank	TB-18036-040115

Note :

1. After receipt at the laboratory, containers for sample WG-19036-112414-001 (well MW-34D) were accidentally broken. CRA resampled MW-34D and submitted the sample to TestAmerica on December 2, 2014.

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: 180-42633-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

4/15/2015 5:35:18 PM

Jill Colussy, Project Manager I

(412)963-2444

jill.colussy@testamericainc.com

LINKS

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results through

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www.testamericainc.com

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

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

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Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

Job ID: 180-42633-1

Laboratory: TestAmerica Pittsburgh

Narrative

**Job Narrative
180-42633-1**

Receipt

The samples were received on 4/2/2015 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.6° C.

GC/MS VOA

Surrogate recovery for the following samples was outside the upper control limit: WG-18036-040115-SG-001 (180-42633-1), WG-18036-040115-DJT-004 (180-42633-4), WG-18036-040115-SG-005 (180-42633-5), WG-18036-040115-DJT-006 (180-42633-6), WG-18036-040115-SG-009 (180-42633-9) and WG-18036-040115-SG-011 (180-42633-11). As the recoveries were high and the samples were non-detect, all results were reported.

Metals

Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: WG-18036-040115-SG-011 (180-42633-11). The reporting limits have been adjusted accordingly.



Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
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: 180-42633-1

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-16
Connecticut	State Program	1	PH-0688	09-30-16
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	04-30-15 *
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-16
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-16
North Carolina (WW/SW)	State Program	4	434	12-31-15
Pennsylvania	NELAP	3	02-00416	04-30-15 *
South Carolina	State Program	4	89014	04-30-15 *
Texas	NELAP	6	T104704528	03-31-16
US Fish & Wildlife	Federal		LE94312A-1	11-30-15
USDA	Federal		P-Soil-01	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-15
West Virginia DEP	State Program	3	142	01-31-16
Wisconsin	State Program	5	998027800	08-31-15

* Certification renewal pending - certification considered valid.

TestAmerica Pittsburgh

Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-42633-1	WG-18036-040115-SG-001	Water	04/01/15 09:20	04/02/15 10:25
180-42633-2	WG-18036-040115-DJT-002	Water	04/01/15 10:00	04/02/15 10:25
180-42633-3	WG-18036-040115-SG-003	Water	04/01/15 10:55	04/02/15 10:25
180-42633-4	WG-18036-040115-DJT-004	Water	04/01/15 10:50	04/02/15 10:25
180-42633-5	WG-18036-040115-SG-005	Water	04/01/15 10:55	04/02/15 10:25
180-42633-6	WG-18036-040115-DJT-006	Water	04/01/15 11:30	04/02/15 10:25
180-42633-7	WG-18036-040115-SG-007	Water	04/01/15 12:25	04/02/15 10:25
180-42633-8	WG-18036-040115-DJT-008	Water	04/01/15 12:10	04/02/15 10:25
180-42633-9	WG-18036-040115-SG-009	Water	04/01/15 13:20	04/02/15 10:25
180-42633-10	WG-18036-040115-DJT-010	Water	04/01/15 13:40	04/02/15 10:25
180-42633-11	WG-18036-040115-SG-011	Water	04/01/15 00:00	04/02/15 10:25
180-42633-12	TB-18036-040115-SG	Water	04/01/15 14:30	04/02/15 10:25

Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

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: 180-42633-1

Client Sample ID: WG-18036-040115-SG-001

Lab Sample ID: 180-42633-1

Date Collected: 04/01/15 09:20

Matrix: Water

Date Received: 04/02/15 10:25

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	137608	04/06/15 17:33	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	137704	04/07/15 08:24	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:53	RJG	TAL PIT
		Instrument ID: Q								

Client Sample ID: WG-18036-040115-DJT-002

Lab Sample ID: 180-42633-2

Date Collected: 04/01/15 10:00

Matrix: Water

Date Received: 04/02/15 10:25

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	137608	04/06/15 17:56	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	137704	04/07/15 08:24	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 17:08	RJG	TAL PIT
		Instrument ID: Q								

Client Sample ID: WG-18036-040115-SG-003

Lab Sample ID: 180-42633-3

Date Collected: 04/01/15 10:55

Matrix: Water

Date Received: 04/02/15 10:25

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	137608	04/06/15 18:20	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	137704	04/07/15 08:24	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 17:12	RJG	TAL PIT
		Instrument ID: Q								

Client Sample ID: WG-18036-040115-DJT-004

Lab Sample ID: 180-42633-4

Date Collected: 04/01/15 10:50

Matrix: Water

Date Received: 04/02/15 10:25

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	137608	04/06/15 18:44	DLF	TAL PIT
		Instrument ID: CHHP6								
Total Recoverable	Prep	200.7			50 mL	50 mL	137704	04/07/15 08:24	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 17:16	RJG	TAL PIT
		Instrument ID: Q								

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

Client Sample ID: WG-18036-040115-SG-005

Lab Sample ID: 180-42633-5

Date Collected: 04/01/15 10:55

Matrix: Water

Date Received: 04/02/15 10:25

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	137608	04/06/15 19:32	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	137704	04/07/15 08:24	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 17:19	RJG	TAL PIT
Instrument ID: Q										

Client Sample ID: WG-18036-040115-DJT-006

Lab Sample ID: 180-42633-6

Date Collected: 04/01/15 11:30

Matrix: Water

Date Received: 04/02/15 10:25

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	137608	04/06/15 19:56	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	137704	04/07/15 08:24	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 17:31	RJG	TAL PIT
Instrument ID: Q										

Client Sample ID: WG-18036-040115-SG-007

Lab Sample ID: 180-42633-7

Date Collected: 04/01/15 12:25

Matrix: Water

Date Received: 04/02/15 10:25

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	137608	04/06/15 20:20	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	137704	04/07/15 08:24	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 17:34	RJG	TAL PIT
Instrument ID: Q										

Client Sample ID: WG-18036-040115-DJT-008

Lab Sample ID: 180-42633-8

Date Collected: 04/01/15 12:10

Matrix: Water

Date Received: 04/02/15 10:25

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	137734	04/08/15 00:43	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	137704	04/07/15 08:24	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 17:38	RJG	TAL PIT
Instrument ID: Q										

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

Client Sample ID: WG-18036-040115-SG-009

Lab Sample ID: 180-42633-9

Date Collected: 04/01/15 13:20

Matrix: Water

Date Received: 04/02/15 10:25

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	137608	04/06/15 21:32	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	137704	04/07/15 08:24	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 17:42	RJG	TAL PIT
Instrument ID: Q										

Client Sample ID: WG-18036-040115-DJT-010

Lab Sample ID: 180-42633-10

Date Collected: 04/01/15 13:40

Matrix: Water

Date Received: 04/02/15 10:25

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	137608	04/06/15 21:55	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	137704	04/07/15 08:24	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 17:46	RJG	TAL PIT
Instrument ID: Q										

Client Sample ID: WG-18036-040115-SG-011

Lab Sample ID: 180-42633-11

Date Collected: 04/01/15 00:00

Matrix: Water

Date Received: 04/02/15 10:25

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	137608	04/06/15 22:19	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	137704	04/07/15 08:24	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		2	50 mL	50 mL	138104	04/09/15 13:40	RJG	TAL PIT
Instrument ID: C										
Total Recoverable	Prep	200.7			50 mL	50 mL	137704	04/07/15 08:24	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 17:50	RJG	TAL PIT
Instrument ID: Q										

Client Sample ID: TB-18036-040115-SG

Lab Sample ID: 180-42633-12

Date Collected: 04/01/15 14:30

Matrix: Water

Date Received: 04/02/15 10:25

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	137734	04/08/15 01:07	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: 180-42633-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

AB1 = Ashwin Baikadi

Batch Type: Analysis

DLF = Donald Ferguson

RJG = Rob Good

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Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

Client Sample ID: WG-18036-040115-SG-001

Lab Sample ID: 180-42633-1

Date Collected: 04/01/15 09:20

Matrix: Water

Date Received: 04/02/15 10:25

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			04/06/15 17:33	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/06/15 17:33	1
Toluene	1.0	U	1.0	0.15	ug/L			04/06/15 17:33	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/06/15 17:33	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/06/15 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	137	X	58 - 135		04/06/15 17:33	1
4-Bromofluorobenzene (Surr)	93		62 - 123		04/06/15 17:33	1
Dibromofluoromethane (Surr)	124		64 - 128		04/06/15 17:33	1
Toluene-d8 (Surr)	115		71 - 118		04/06/15 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.23	J	5.0	0.13	ug/L		04/07/15 08:24	04/08/15 16:53	1
Lead	1.5	J B	10	1.2	ug/L		04/07/15 08:24	04/08/15 16:53	1

Client Sample ID: WG-18036-040115-DJT-002

Lab Sample ID: 180-42633-2

Date Collected: 04/01/15 10:00

Matrix: Water

Date Received: 04/02/15 10:25

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			04/06/15 17:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/06/15 17:56	1
Toluene	1.0	U	1.0	0.15	ug/L			04/06/15 17:56	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/06/15 17:56	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/06/15 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	132		58 - 135		04/06/15 17:56	1
4-Bromofluorobenzene (Surr)	96		62 - 123		04/06/15 17:56	1
Dibromofluoromethane (Surr)	118		64 - 128		04/06/15 17:56	1
Toluene-d8 (Surr)	103		71 - 118		04/06/15 17:56	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	0.13	ug/L		04/07/15 08:24	04/08/15 17:08	1
Lead	2.1	J B	10	1.2	ug/L		04/07/15 08:24	04/08/15 17:08	1

Client Sample ID: WG-18036-040115-SG-003

Lab Sample ID: 180-42633-3

Date Collected: 04/01/15 10:55

Matrix: Water

Date Received: 04/02/15 10:25

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			04/06/15 18:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/06/15 18:20	1
Toluene	1.0	U	1.0	0.15	ug/L			04/06/15 18:20	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/06/15 18:20	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/06/15 18:20	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

Client Sample ID: WG-18036-040115-SG-003

Lab Sample ID: 180-42633-3

Date Collected: 04/01/15 10:55

Matrix: Water

Date Received: 04/02/15 10:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	135		58 - 135		04/06/15 18:20	1
4-Bromofluorobenzene (Surr)	95		62 - 123		04/06/15 18:20	1
Dibromofluoromethane (Surr)	122		64 - 128		04/06/15 18:20	1
Toluene-d8 (Surr)	104		71 - 118		04/06/15 18:20	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	0.13	ug/L		04/07/15 08:24	04/08/15 17:12	1
Lead	3.9	J B	10	1.2	ug/L		04/07/15 08:24	04/08/15 17:12	1

Client Sample ID: WG-18036-040115-DJT-004

Lab Sample ID: 180-42633-4

Date Collected: 04/01/15 10:50

Matrix: Water

Date Received: 04/02/15 10:25

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			04/06/15 18:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/06/15 18:44	1
Toluene	1.0	U	1.0	0.15	ug/L			04/06/15 18:44	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/06/15 18:44	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/06/15 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	137	X	58 - 135		04/06/15 18:44	1
4-Bromofluorobenzene (Surr)	93		62 - 123		04/06/15 18:44	1
Dibromofluoromethane (Surr)	120		64 - 128		04/06/15 18:44	1
Toluene-d8 (Surr)	104		71 - 118		04/06/15 18:44	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	0.13	ug/L		04/07/15 08:24	04/08/15 17:16	1
Lead	10	U	10	1.2	ug/L		04/07/15 08:24	04/08/15 17:16	1

Client Sample ID: WG-18036-040115-SG-005

Lab Sample ID: 180-42633-5

Date Collected: 04/01/15 10:55

Matrix: Water

Date Received: 04/02/15 10:25

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			04/06/15 19:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/06/15 19:32	1
Toluene	1.0	U	1.0	0.15	ug/L			04/06/15 19:32	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/06/15 19:32	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/06/15 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	141	X	58 - 135		04/06/15 19:32	1
4-Bromofluorobenzene (Surr)	98		62 - 123		04/06/15 19:32	1
Dibromofluoromethane (Surr)	121		64 - 128		04/06/15 19:32	1
Toluene-d8 (Surr)	117		71 - 118		04/06/15 19:32	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

Client Sample ID: WG-18036-040115-SG-005

Lab Sample ID: 180-42633-5

Date Collected: 04/01/15 10:55

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		04/07/15 08:24	04/08/15 17:19	1
Lead	4.3	J B	10	1.2	ug/L		04/07/15 08:24	04/08/15 17:19	1

Client Sample ID: WG-18036-040115-DJT-006

Lab Sample ID: 180-42633-6

Date Collected: 04/01/15 11:30

Matrix: Water

Date Received: 04/02/15 10:25

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			04/06/15 19:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/06/15 19:56	1
Toluene	1.0	U	1.0	0.15	ug/L			04/06/15 19:56	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/06/15 19:56	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/06/15 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	137	X	58 - 135		04/06/15 19:56	1
4-Bromofluorobenzene (Surr)	98		62 - 123		04/06/15 19:56	1
Dibromofluoromethane (Surr)	120		64 - 128		04/06/15 19:56	1
Toluene-d8 (Surr)	107		71 - 118		04/06/15 19:56	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	0.13	ug/L		04/07/15 08:24	04/08/15 17:31	1
Lead	10	U	10	1.2	ug/L		04/07/15 08:24	04/08/15 17:31	1

Client Sample ID: WG-18036-040115-SG-007

Lab Sample ID: 180-42633-7

Date Collected: 04/01/15 12:25

Matrix: Water

Date Received: 04/02/15 10:25

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			04/06/15 20:20	1
cis-1,2-Dichloroethene	0.32	J	1.0	0.24	ug/L			04/06/15 20:20	1
Toluene	1.0	U	1.0	0.15	ug/L			04/06/15 20:20	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/06/15 20:20	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/06/15 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	131		58 - 135		04/06/15 20:20	1
4-Bromofluorobenzene (Surr)	97		62 - 123		04/06/15 20:20	1
Dibromofluoromethane (Surr)	114		64 - 128		04/06/15 20:20	1
Toluene-d8 (Surr)	108		71 - 118		04/06/15 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.52	J	5.0	0.13	ug/L		04/07/15 08:24	04/08/15 17:34	1
Lead	10	U	10	1.2	ug/L		04/07/15 08:24	04/08/15 17:34	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

Client Sample ID: WG-18036-040115-DJT-008

Lab Sample ID: 180-42633-8

Date Collected: 04/01/15 12:10

Matrix: Water

Date Received: 04/02/15 10:25

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			04/08/15 00:43	1
cis-1,2-Dichloroethene	5.2		1.0	0.24	ug/L			04/08/15 00:43	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 00:43	1
Trichloroethene	0.66	J	1.0	0.14	ug/L			04/08/15 00:43	1
Vinyl chloride	6.0		1.0	0.23	ug/L			04/08/15 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		58 - 135					04/08/15 00:43	1
4-Bromofluorobenzene (Surr)	93		62 - 123					04/08/15 00:43	1
Dibromofluoromethane (Surr)	116		64 - 128					04/08/15 00:43	1
Toluene-d8 (Surr)	101		71 - 118					04/08/15 00:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.17	J	5.0	0.13	ug/L		04/07/15 08:24	04/08/15 17:38	1
Lead	10	U	10	1.2	ug/L		04/07/15 08:24	04/08/15 17:38	1

Client Sample ID: WG-18036-040115-SG-009

Lab Sample ID: 180-42633-9

Date Collected: 04/01/15 13:20

Matrix: Water

Date Received: 04/02/15 10:25

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			04/06/15 21:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/06/15 21:32	1
Toluene	1.0	U	1.0	0.15	ug/L			04/06/15 21:32	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/06/15 21:32	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/06/15 21:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	139	X	58 - 135					04/06/15 21:32	1
4-Bromofluorobenzene (Surr)	98		62 - 123					04/06/15 21:32	1
Dibromofluoromethane (Surr)	119		64 - 128					04/06/15 21:32	1
Toluene-d8 (Surr)	117		71 - 118					04/06/15 21:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.55	J	5.0	0.13	ug/L		04/07/15 08:24	04/08/15 17:42	1
Lead	17	B	10	1.2	ug/L		04/07/15 08:24	04/08/15 17:42	1

Client Sample ID: WG-18036-040115-DJT-010

Lab Sample ID: 180-42633-10

Date Collected: 04/01/15 13:40

Matrix: Water

Date Received: 04/02/15 10:25

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			04/06/15 21:55	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/06/15 21:55	1
Toluene	1.0	U	1.0	0.15	ug/L			04/06/15 21:55	1
Trichloroethene	0.88	J	1.0	0.14	ug/L			04/06/15 21:55	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/06/15 21:55	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

Client Sample ID: WG-18036-040115-DJT-010

Lab Sample ID: 180-42633-10

Date Collected: 04/01/15 13:40

Matrix: Water

Date Received: 04/02/15 10:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	131		58 - 135		04/06/15 21:55	1
4-Bromofluorobenzene (Surr)	99		62 - 123		04/06/15 21:55	1
Dibromofluoromethane (Surr)	115		64 - 128		04/06/15 21:55	1
Toluene-d8 (Surr)	114		71 - 118		04/06/15 21:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.21	J	5.0	0.13	ug/L		04/07/15 08:24	04/08/15 17:46	1
Lead	10	U	10	1.2	ug/L		04/07/15 08:24	04/08/15 17:46	1

Client Sample ID: WG-18036-040115-SG-011

Lab Sample ID: 180-42633-11

Date Collected: 04/01/15 00:00

Matrix: Water

Date Received: 04/02/15 10:25

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			04/06/15 22:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/06/15 22:19	1
Toluene	1.0	U	1.0	0.15	ug/L			04/06/15 22:19	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/06/15 22:19	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/06/15 22:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	138	X	58 - 135		04/06/15 22:19	1
4-Bromofluorobenzene (Surr)	97		62 - 123		04/06/15 22:19	1
Dibromofluoromethane (Surr)	117		64 - 128		04/06/15 22:19	1
Toluene-d8 (Surr)	111		71 - 118		04/06/15 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.43	J	5.0	0.13	ug/L		04/07/15 08:24	04/08/15 17:50	1
Lead	4.5	J B	20	2.4	ug/L		04/07/15 08:24	04/09/15 13:40	2

Client Sample ID: TB-18036-040115-SG

Lab Sample ID: 180-42633-12

Date Collected: 04/01/15 14:30

Matrix: Water

Date Received: 04/02/15 10:25

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			04/08/15 01:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/08/15 01:07	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 01:07	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/08/15 01:07	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/08/15 01:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		58 - 135		04/08/15 01:07	1
4-Bromofluorobenzene (Surr)	96		62 - 123		04/08/15 01:07	1
Dibromofluoromethane (Surr)	110		64 - 128		04/08/15 01:07	1
Toluene-d8 (Surr)	103		71 - 118		04/08/15 01:07	1

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

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

Lab Sample ID: MB 180-137608/4

Matrix: Water

Analysis Batch: 137608

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			04/06/15 11:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/06/15 11:59	1
Toluene	1.0	U	1.0	0.15	ug/L			04/06/15 11:59	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/06/15 11:59	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/06/15 11:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	130		58 - 135		04/06/15 11:59	1
4-Bromofluorobenzene (Surr)	101		62 - 123		04/06/15 11:59	1
Dibromofluoromethane (Surr)	111		64 - 128		04/06/15 11:59	1
Toluene-d8 (Surr)	108		71 - 118		04/06/15 11:59	1

Lab Sample ID: LCS 180-137608/1002

Matrix: Water

Analysis Batch: 137608

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	9.53		ug/L		95	75 - 125
cis-1,2-Dichloroethene	10.0	8.50		ug/L		85	69 - 127
Toluene	10.0	11.4		ug/L		114	74 - 126
Trichloroethene	10.0	9.18		ug/L		92	73 - 125
Vinyl chloride	10.0	7.96		ug/L		80	30 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	122		58 - 135
4-Bromofluorobenzene (Surr)	100		62 - 123
Dibromofluoromethane (Surr)	108		64 - 128
Toluene-d8 (Surr)	108		71 - 118

Lab Sample ID: 180-42633-11 MS

Matrix: Water

Analysis Batch: 137608

Client Sample ID: WG-18036-040115-SG-011

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	8.56		ug/L		86	75 - 125
cis-1,2-Dichloroethene	1.0	U	10.0	7.94		ug/L		79	69 - 127
Toluene	1.0	U	10.0	10.2		ug/L		102	74 - 126
Trichloroethene	1.0	U	10.0	8.91		ug/L		89	73 - 125
Vinyl chloride	1.0	U	10.0	7.29		ug/L		73	30 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		58 - 135
4-Bromofluorobenzene (Surr)	92		62 - 123
Dibromofluoromethane (Surr)	98		64 - 128
Toluene-d8 (Surr)	96		71 - 118

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

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

Lab Sample ID: 180-42633-11 MSD

Matrix: Water

Analysis Batch: 137608

Client Sample ID: WG-18036-040115-SG-011

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	8.76		ug/L		88	75 - 125	2	25
cis-1,2-Dichloroethene	1.0	U	10.0	8.44		ug/L		84	69 - 127	6	20
Toluene	1.0	U	10.0	10.6		ug/L		106	74 - 126	3	25
Trichloroethene	1.0	U	10.0	8.95		ug/L		89	73 - 125	0	25
Vinyl chloride	1.0	U	10.0	8.47		ug/L		85	30 - 140	15	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	118		58 - 135
4-Bromofluorobenzene (Surr)	93		62 - 123
Dibromofluoromethane (Surr)	103		64 - 128
Toluene-d8 (Surr)	99		71 - 118

Lab Sample ID: MB 180-137734/33

Matrix: Water

Analysis Batch: 137734

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			04/08/15 00:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/08/15 00:19	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 00:19	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/08/15 00:19	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/08/15 00:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		58 - 135		04/08/15 00:19	1
4-Bromofluorobenzene (Surr)	92		62 - 123		04/08/15 00:19	1
Dibromofluoromethane (Surr)	112		64 - 128		04/08/15 00:19	1
Toluene-d8 (Surr)	100		71 - 118		04/08/15 00:19	1

Lab Sample ID: LCS 180-137734/1002

Matrix: Water

Analysis Batch: 137734

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	11.8		ug/L		118	75 - 125
cis-1,2-Dichloroethene	10.0	9.74		ug/L		97	69 - 127
Toluene	10.0	10.9		ug/L		109	74 - 126
Trichloroethene	10.0	9.76		ug/L		98	73 - 125
Vinyl chloride	10.0	12.7		ug/L		127	30 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		58 - 135
4-Bromofluorobenzene (Surr)	95		62 - 123
Dibromofluoromethane (Surr)	94		64 - 128
Toluene-d8 (Surr)	102		71 - 118

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

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

Lab Sample ID: 180-42657-F-6 MS

Matrix: Water

Analysis Batch: 137734

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
1,1,1-Trichloroethane	3.0	U	30.0	31.4		ug/L		105	75 - 125
cis-1,2-Dichloroethene	29	F1	30.0	46.3	F1	ug/L		59	69 - 127
Toluene	3.0	U	30.0	31.2		ug/L		104	74 - 126
Trichloroethene	66	F1	30.0	71.0	F1	ug/L		16	73 - 125
Vinyl chloride	2.6	J	30.0	35.8		ug/L		111	30 - 140

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	93		58 - 135
4-Bromofluorobenzene (Surr)	91		62 - 123
Dibromofluoromethane (Surr)	88		64 - 128
Toluene-d8 (Surr)	93		71 - 118

Lab Sample ID: 180-42657-F-6 MSD

Matrix: Water

Analysis Batch: 137734

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1,1,1-Trichloroethane	3.0	U	30.0	29.1		ug/L		97	75 - 125	7	25	
cis-1,2-Dichloroethene	29	F1	30.0	47.5	F1	ug/L		63	69 - 127	3	20	
Toluene	3.0	U	30.0	29.8		ug/L		99	74 - 126	4	25	
Trichloroethene	66	F1	30.0	73.3	F1	ug/L		23	73 - 125	3	25	
Vinyl chloride	2.6	J	30.0	36.0		ug/L		111	30 - 140	0	35	

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	85		58 - 135
4-Bromofluorobenzene (Surr)	93		62 - 123
Dibromofluoromethane (Surr)	80		64 - 128
Toluene-d8 (Surr)	89		71 - 118

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-137704/1-A

Matrix: Water

Analysis Batch: 137967

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 137704

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Cadmium	5.0	U	5.0	0.13	ug/L		04/07/15 08:24	04/08/15 16:46		1
Lead	1.57	J	10	1.2	ug/L		04/07/15 08:24	04/08/15 16:46		1

Lab Sample ID: LCS 180-137704/2-A

Matrix: Water

Analysis Batch: 137967

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 137704

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
Cadmium	50.0	57.5		ug/L		115	85 - 115
Lead	500	514		ug/L		103	85 - 115

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

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

Lab Sample ID: 180-42633-1 MS

Matrix: Water

Analysis Batch: 137967

Client Sample ID: WG-18036-040115-SG-001

Prep Type: Total Recoverable

Prep Batch: 137704

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	Limits
Cadmium	0.23	J	50.0	57.5		ug/L		115	70 - 130	
Lead	1.5	J B	500	508		ug/L		101	70 - 130	

Lab Sample ID: 180-42633-1 MSD

Matrix: Water

Analysis Batch: 137967

Client Sample ID: WG-18036-040115-SG-001

Prep Type: Total Recoverable

Prep Batch: 137704

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	Limits	RPD	Limit
Cadmium	0.23	J	50.0	56.6		ug/L		113	70 - 130		2	20
Lead	1.5	J B	500	500		ug/L		100	70 - 130		2	20

Lab Sample ID: 180-42633-11 MS

Matrix: Water

Analysis Batch: 137967

Client Sample ID: WG-18036-040115-SG-011

Prep Type: Total Recoverable

Prep Batch: 137704

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	Limits
Cadmium	0.43	J	50.0	59.0		ug/L		117	70 - 130	

Lab Sample ID: 180-42633-11 MS

Matrix: Water

Analysis Batch: 138104

Client Sample ID: WG-18036-040115-SG-011

Prep Type: Total Recoverable

Prep Batch: 137704

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	Limits
Lead	4.5	J B	500	503		ug/L		100	70 - 130	

Lab Sample ID: 180-42633-11 MSD

Matrix: Water

Analysis Batch: 137967

Client Sample ID: WG-18036-040115-SG-011

Prep Type: Total Recoverable

Prep Batch: 137704

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	Limits	RPD	Limit
Cadmium	0.43	J	50.0	60.2		ug/L		120	70 - 130		2	20

Lab Sample ID: 180-42633-11 MSD

Matrix: Water

Analysis Batch: 138104

Client Sample ID: WG-18036-040115-SG-011

Prep Type: Total Recoverable

Prep Batch: 137704

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	Limits	RPD	Limit
Lead	4.5	J B	500	504		ug/L		100	70 - 130		0	20

QC Association Summary

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

GC/MS VOA

Analysis Batch: 137608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42633-1	WG-18036-040115-SG-001	Total/NA	Water	624	
180-42633-2	WG-18036-040115-DJT-002	Total/NA	Water	624	
180-42633-3	WG-18036-040115-SG-003	Total/NA	Water	624	
180-42633-4	WG-18036-040115-DJT-004	Total/NA	Water	624	
180-42633-5	WG-18036-040115-SG-005	Total/NA	Water	624	
180-42633-6	WG-18036-040115-DJT-006	Total/NA	Water	624	
180-42633-7	WG-18036-040115-SG-007	Total/NA	Water	624	
180-42633-9	WG-18036-040115-SG-009	Total/NA	Water	624	
180-42633-10	WG-18036-040115-DJT-010	Total/NA	Water	624	
180-42633-11	WG-18036-040115-SG-011	Total/NA	Water	624	
180-42633-11 MS	WG-18036-040115-SG-011	Total/NA	Water	624	
180-42633-11 MSD	WG-18036-040115-SG-011	Total/NA	Water	624	
LCS 180-137608/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-137608/4	Method Blank	Total/NA	Water	624	

Analysis Batch: 137734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42633-8	WG-18036-040115-DJT-008	Total/NA	Water	624	
180-42633-12	TB-18036-040115-SG	Total/NA	Water	624	
180-42657-F-6 MS	Matrix Spike	Total/NA	Water	624	
180-42657-F-6 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
LCS 180-137734/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-137734/33	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 137704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42633-1	WG-18036-040115-SG-001	Total Recoverable	Water	200.7	
180-42633-1 MS	WG-18036-040115-SG-001	Total Recoverable	Water	200.7	
180-42633-1 MSD	WG-18036-040115-SG-001	Total Recoverable	Water	200.7	
180-42633-2	WG-18036-040115-DJT-002	Total Recoverable	Water	200.7	
180-42633-3	WG-18036-040115-SG-003	Total Recoverable	Water	200.7	
180-42633-4	WG-18036-040115-DJT-004	Total Recoverable	Water	200.7	
180-42633-5	WG-18036-040115-SG-005	Total Recoverable	Water	200.7	
180-42633-6	WG-18036-040115-DJT-006	Total Recoverable	Water	200.7	
180-42633-7	WG-18036-040115-SG-007	Total Recoverable	Water	200.7	
180-42633-8	WG-18036-040115-DJT-008	Total Recoverable	Water	200.7	
180-42633-9	WG-18036-040115-SG-009	Total Recoverable	Water	200.7	
180-42633-10	WG-18036-040115-DJT-010	Total Recoverable	Water	200.7	
180-42633-11	WG-18036-040115-SG-011	Total Recoverable	Water	200.7	
180-42633-11 MS	WG-18036-040115-SG-011	Total Recoverable	Water	200.7	
180-42633-11 MSD	WG-18036-040115-SG-011	Total Recoverable	Water	200.7	
LCS 180-137704/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-137704/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 137967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42633-1	WG-18036-040115-SG-001	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-1 MS	WG-18036-040115-SG-001	Total Recoverable	Water	200.7 Rev 4.4	137704

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42633-1

Metals (Continued)

Analysis Batch: 137967 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42633-1 MSD	WG-18036-040115-SG-001	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-2	WG-18036-040115-DJT-002	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-3	WG-18036-040115-SG-003	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-4	WG-18036-040115-DJT-004	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-5	WG-18036-040115-SG-005	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-6	WG-18036-040115-DJT-006	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-7	WG-18036-040115-SG-007	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-8	WG-18036-040115-DJT-008	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-9	WG-18036-040115-SG-009	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-10	WG-18036-040115-DJT-010	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-11	WG-18036-040115-SG-011	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-11 MS	WG-18036-040115-SG-011	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-11 MSD	WG-18036-040115-SG-011	Total Recoverable	Water	200.7 Rev 4.4	137704
LCS 180-137704/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	137704
MB 180-137704/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	137704

Analysis Batch: 138104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42633-11	WG-18036-040115-SG-011	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-11 MS	WG-18036-040115-SG-011	Total Recoverable	Water	200.7 Rev 4.4	137704
180-42633-11 MSD	WG-18036-040115-SG-011	Total Recoverable	Water	200.7 Rev 4.4	137704



CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

Address: **CRA 2055 Niagara Falls Blvd NY 14304**

COC NO.: **48216**

PAGE **1** OF **1**

Phone: **716-297-6150** Fax: _____

(See Reverse Side for Instructions)

Project No/Phase/Task Code: 18036-2014		Laboratory Name: Test America		Lab Location: Pittsburgh		SSOW ID:									
Project Name: Viacom (Buffalo Airport)		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		PRESERVATION		Airbill No:									
Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yy)	TIME (hh:mm)	Matrix Code (see back of COC)	Grab (g) or Comp (c)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO ₃)	Sulfuric Acid (H ₂ SO ₄)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil)	VOC	Encores 3x5-g, 1x25-g	Other:	Total Containers/Sample
1	WG-18036-040115-SG-001	4-1-15	0920	WG G	G		X	X							4
2	WG-18036-040115-DJT-002	4-1-15	1000	WG G	G		X	X							4
3	WG-18036-040115-SG-003	4-1-15	1055	WG G	G		X	X							4
4	WG-18036-040115-DJT-004	4-1-15	1050	WG G	G		X	X							4
5	WG-18036-040115-SG-005	4-1-15	1055	WG G	G		X	X							4
6	WG-18036-040115-DJT-006	4-1-15	1130	WG G	G		X	X							4
7	WG-18036-040115-SG-007	4-1-15	1225	WG G	G		X	X							4
8	WG-18036-040115-DJT-008	4-1-15	1210	WG G	G		X	X							4
9	WG-18036-040115-SG-009	4-1-15	1320	WG G	G		X	X							4
10	WG-18036-040115-DJT-010	4-1-15	1340	WG G	G		X	X							4
11	WG-18036-040115-SG-011	4-1-15		WG G	G		X	X							12
12	TB-18036-040115-SG	4-1-15	1430	TB G	G		X								2
13															
14															
15															



180-42633 Chain of Custody

Notes/ Special Requirements:

Total Number of Containers: **51**

All Samples in Cooler must be on COC

RELINQUISHED BY	DATE	RECEIVED BY	DATE	COMPANY	DATE	TIME
Dave Tyrn	4-1-15	J. Gardner	4-1-15	CRA	1600	
				FARGA	4/2/15	1025

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

Distribution: WHITE - Fully Executed Copy (CRA) YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sampling Crew CRA Form: COC-10B (20110804)



ORIGIN ID:DKKA (716) 297-2160
BRITT GEBHARDT
CRA SERVICES
2055 NIAGARA FALLS BLVD

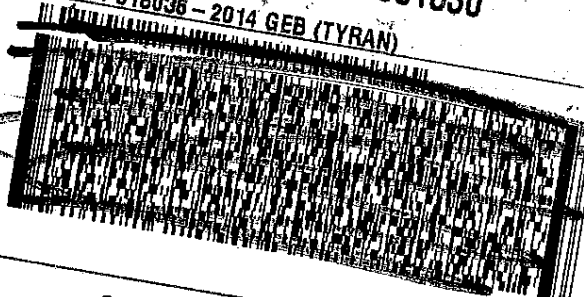
NIAGARA FALLS, NY 14304
UNITED STATES US

SHIP DATE: 01APR15
ACTWGT: 36.0 LB MAN
CAD: 68417/CAFE2807

BILL THIRD PARTY

TO **SAMPLE CUSTODIAN**
TEST AMERICA
301 ALPHA DRIVE

PITTSBURGH PA 152381330
(412) 983-7068
REF: 018036 - 2014 GEB (TYRAN)



3 of 3
MPS# 0263 **5849 9434 3716**
Mstr# 5849 9434 3690

XH AGCA

0201

THU - 02 APR 10:30A
PRIORITY OVERNIGHT

15238
PA-US **PIT**

Uncorrected temp Thermometer ID

CF	<u>AD</u>	Initials	<u>out</u>	°C	<u>16</u>
					<u>16</u>

PT-WI-SR-001 effective 7/26/13



180-42633 Waybill

Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-42633-1

Login Number: 42633

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Kovitch, Christina M

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.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <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
APRIL 2015 SURFACE WATER (STORM SEWER) SAMPLING

Manhole Sampling Key
April 1, 2015
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Manhole No.	Sample No.
1B	WS-18036-040115 -001
1C	WS-18036-040115 -002
2D	WS-18036-040115 -003
2A	WS-18036-040115 -004
2B	WS-18036-040115 -005
2C	WS-18036-040115 -006
3A	WS-18036-040115 -007
3C	WS-18036-040115 -008
3C	WS-18036-040115 -009
3B	WS-18036-040115 -010
1A	WS-18036-040115 -011
Trip Blank	TB-18036-040115-01

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: 180-42657-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

4/16/2015 11:25:20 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.

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Sample Summary	6
Method Summary	7
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QC Sample Results	21
QC Association Summary	29
Chain of Custody	32
Receipt Checklists	33

Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Job ID: 180-42657-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative 180-42657-1

Receipt

The samples were received on 4/2/2015 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.4° C and 3.4° C.

GC/MS VOA

Due to the concentration of target compounds detected, several samples were analyzed at a dilution. Elevated reporting limits (RLs) are provided.

Internal standard (ISTD) response for TBA-d9 for the following sample was outside acceptance criteria: TB-18036-040115-001 (180-42657-12). This ISTD does not correspond to any of the requested target compounds; therefore, the results have been reported.

Metals

Due to sample matrix effect on the internal standard (ISTD), several samples were analyzed at a dilution. Elevated reporting limits (RLs) are provided.

The laboratory control sample (LCS) for batch 180-137705 recovered high and outside the control limits for the following analytes: cadmium. This analyte was biased high in the LCS and any sample that was non-detect or had cadmium detected between the MDL and the RL was reported. The samples that had cadmium detected above the RL were re-analyzed along with the LCS.

General Chemistry

The relative percent difference between the TSS results for sample WS-18036-040115-011 (180-42657-11) and the duplicate of this sample was outside of the control limits.

Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
F3	Duplicate RPD exceeds the control limit
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: 180-42657-1

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-16
Connecticut	State Program	1	PH-0688	09-30-16
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	04-30-15 *
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-16
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-16
North Carolina (WW/SW)	State Program	4	434	12-31-15
Pennsylvania	NELAP	3	02-00416	04-30-15 *
South Carolina	State Program	4	89014	04-30-15 *
Texas	NELAP	6	T104704528	03-31-16
US Fish & Wildlife	Federal		LE94312A-1	11-30-15
USDA	Federal		P-Soil-01	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-15
West Virginia DEP	State Program	3	142	01-31-16
Wisconsin	State Program	5	998027800	08-31-15

* Certification renewal pending - certification considered valid.

Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-42657-1	WS-18036-040115-001	Water	04/01/15 09:00	04/02/15 10:25
180-42657-2	WS-18036-040115-002	Water	04/01/15 09:30	04/02/15 10:25
180-42657-3	WS-18036-040115-003	Water	04/01/15 10:00	04/02/15 10:25
180-42657-4	WS-18036-040115-004	Water	04/01/15 10:30	04/02/15 10:25
180-42657-5	WS-18036-040115-005	Water	04/01/15 10:40	04/02/15 10:25
180-42657-6	WS-18036-040115-006	Water	04/01/15 11:15	04/02/15 10:25
180-42657-7	WS-18036-040115-007	Water	04/01/15 12:15	04/02/15 10:25
180-42657-8	WS-18036-040115-008	Water	04/01/15 12:30	04/02/15 10:25
180-42657-9	WS-18036-040115-009	Water	04/01/15 12:40	04/02/15 10:25
180-42657-10	WS-18036-040115-010	Water	04/01/15 13:15	04/02/15 10:25
180-42657-11	WS-18036-040115-011	Water	04/01/15 13:45	04/02/15 10:25
180-42657-12	TB-18036-040115-001	Water	04/01/15 00:00	04/02/15 10:25



Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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: 180-42657-1

Client Sample ID: WS-18036-040115-001

Lab Sample ID: 180-42657-1

Date Collected: 04/01/15 09:00

Matrix: Water

Date Received: 04/02/15 10:25

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	137734	04/08/15 03:56	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		5	50 mL	50 mL	138371	04/13/15 16:24	RJG	TAL PIT
		Instrument ID: C								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 15:26	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:19	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-040115-002

Lab Sample ID: 180-42657-2

Date Collected: 04/01/15 09:30

Matrix: Water

Date Received: 04/02/15 10:25

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	137734	04/08/15 04:20	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 15:41	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:25	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-040115-003

Lab Sample ID: 180-42657-3

Date Collected: 04/01/15 10:00

Matrix: Water

Date Received: 04/02/15 10:25

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	137734	04/08/15 04:44	DLF	TAL PIT
		Instrument ID: CHHP5								
Total/NA	Analysis	624	DL	20	20 mL	20 mL	137923	04/08/15 14:52	PJJ	TAL PIT
		Instrument ID: CHHP7								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 15:45	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-003

Lab Sample ID: 180-42657-3

Date Collected: 04/01/15 10:00

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:28	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-040115-004

Lab Sample ID: 180-42657-4

Date Collected: 04/01/15 10:30

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	20 mL	20 mL	137923	04/08/15 15:19	PJJ	TAL PIT
Instrument ID: CHHP7										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	138371	04/13/15 16:45	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:31	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-040115-005

Lab Sample ID: 180-42657-5

Date Collected: 04/01/15 10:40

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		5	5 mL	5 mL	138040	04/09/15 13:35	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		5	50 mL	50 mL	138371	04/13/15 16:55	RJG	TAL PIT
Instrument ID: C										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 15:53	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:33	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-040115-006

Lab Sample ID: 180-42657-6

Date Collected: 04/01/15 11:15

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624	RA	1	5 mL	5 mL	137734	04/08/15 06:21	DLF	TAL PIT
Instrument ID: CHHP5										

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-006

Lab Sample ID: 180-42657-6

Date Collected: 04/01/15 11:15

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		3	5 mL	5 mL	137734	04/08/15 10:06	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		2	50 mL	50 mL	138371	04/13/15 17:01	RJG	TAL PIT
Instrument ID: C										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:04	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:42	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-040115-007

Lab Sample ID: 180-42657-7

Date Collected: 04/01/15 12:15

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		10	20 mL	20 mL	137923	04/08/15 16:12	PJJ	TAL PIT
Instrument ID: CHHP7										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		5	50 mL	50 mL	138371	04/13/15 17:31	RJG	TAL PIT
Instrument ID: C										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:19	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:36	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-040115-008

Lab Sample ID: 180-42657-8

Date Collected: 04/01/15 12:30

Matrix: Water

Date Received: 04/02/15 10:25

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	138040	04/09/15 13:59	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	138371	04/13/15 13:08	RJG	TAL PIT
Instrument ID: C										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		5	50 mL	50 mL	138371	04/13/15 17:36	RJG	TAL PIT
Instrument ID: C										

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-008

Lab Sample ID: 180-42657-8

Date Collected: 04/01/15 12:30

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:23	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	50 mL	1000 mL	137797	04/07/15 16:10	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:39	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-040115-009

Lab Sample ID: 180-42657-9

Date Collected: 04/01/15 12:40

Matrix: Water

Date Received: 04/02/15 10:25

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	138040	04/09/15 14:23	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	138371	04/13/15 13:14	RJG	TAL PIT
		Instrument ID: C								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		5	50 mL	50 mL	138371	04/13/15 17:41	RJG	TAL PIT
		Instrument ID: C								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:27	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	250 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:51	RJ	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WS-18036-040115-010

Lab Sample ID: 180-42657-10

Date Collected: 04/01/15 13:15

Matrix: Water

Date Received: 04/02/15 10:25

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	138040	04/09/15 14:47	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		5	50 mL	50 mL	138371	04/13/15 17:47	RJG	TAL PIT
		Instrument ID: C								
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:31	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	1000 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
		Instrument ID: NOEQUIP								

TestAmerica Pittsburgh

Lab Chronicle

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-010

Lab Sample ID: 180-42657-10

Date Collected: 04/01/15 13:15

Matrix: Water

Date Received: 04/02/15 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:54	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: WS-18036-040115-011

Lab Sample ID: 180-42657-11

Date Collected: 04/01/15 13:45

Matrix: Water

Date Received: 04/02/15 10:25

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	138040	04/09/15 15:12	DLF	TAL PIT
Instrument ID: CHHP5										
Total Recoverable	Prep	200.7			50 mL	50 mL	137705	04/07/15 08:25	AB1	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	137967	04/08/15 16:35	RJG	TAL PIT
Instrument ID: Q										
Total/NA	Analysis	SM 2540D		1	500 mL	1000 mL	137610	04/06/15 10:10	JWS	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		10 mL	137528	04/04/15 10:57	RJ	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: TB-18036-040115-001

Lab Sample ID: 180-42657-12

Date Collected: 04/01/15 00:00

Matrix: Water

Date Received: 04/02/15 10:25

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	20 mL	20 mL	137923	04/08/15 20:23	PJJ	TAL PIT
Instrument ID: CHHP7										

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

AB1 = Ashwin Baikadi

Batch Type: Analysis

DLF = Donald Ferguson

JWS = Jim Swanson

PJJ = Patrick Journet

RJ = Rebekah Jaquay

RJG = Rob Good

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-001

Lab Sample ID: 180-42657-1

Date Collected: 04/01/15 09:00

Matrix: Water

Date Received: 04/02/15 10:25

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			04/08/15 03:56	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/08/15 03:56	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 03:56	1
Trichloroethene	0.53	J	1.0	0.14	ug/L			04/08/15 03:56	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/08/15 03:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 03:56	1
cis-1,2-Dichloroethene	0.32	J	1.0	0.24	ug/L			04/08/15 03:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		58 - 135					04/08/15 03:56	1
4-Bromofluorobenzene (Surr)	96		62 - 123					04/08/15 03:56	1
Toluene-d8 (Surr)	98		71 - 118					04/08/15 03:56	1
Dibromofluoromethane (Surr)	114		64 - 128					04/08/15 03:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.97	J * F1	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 15:26	1
Chromium	3.7	J	5.0	0.77	ug/L		04/07/15 08:25	04/08/15 15:26	1
Lead	50	U	50	6.0	ug/L		04/07/15 08:25	04/13/15 16:24	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	66		1.0	1.0	mg/L			04/06/15 10:10	1
pH	7.96	HF	0.100	0.100	SU			04/04/15 10:19	1

Client Sample ID: WS-18036-040115-002

Lab Sample ID: 180-42657-2

Date Collected: 04/01/15 09:30

Matrix: Water

Date Received: 04/02/15 10:25

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			04/08/15 04:20	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/08/15 04:20	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 04:20	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/08/15 04:20	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/08/15 04:20	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 04:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/08/15 04:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		58 - 135					04/08/15 04:20	1
4-Bromofluorobenzene (Surr)	94		62 - 123					04/08/15 04:20	1
Toluene-d8 (Surr)	99		71 - 118					04/08/15 04:20	1
Dibromofluoromethane (Surr)	115		64 - 128					04/08/15 04:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.18	J *	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 15:41	1
Chromium	5.0	U	5.0	0.77	ug/L		04/07/15 08:25	04/08/15 15:41	1
Lead	10	U	10	1.2	ug/L		04/07/15 08:25	04/08/15 15:41	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-002

Lab Sample ID: 180-42657-2

Date Collected: 04/01/15 09:30

Matrix: Water

Date Received: 04/02/15 10:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	41		1.0	1.0	mg/L			04/06/15 10:10	1
pH	8.10	HF	0.100	0.100	SU			04/04/15 10:25	1

Client Sample ID: WS-18036-040115-003

Lab Sample ID: 180-42657-3

Date Collected: 04/01/15 10:00

Matrix: Water

Date Received: 04/02/15 10:25

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			04/08/15 04:44	1
Tetrachloroethene	2.3		1.0	0.15	ug/L			04/08/15 04:44	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 04:44	1
Trichloroethene	140	E	1.0	0.14	ug/L			04/08/15 04:44	1
Vinyl chloride	1.3		1.0	0.23	ug/L			04/08/15 04:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 04:44	1
cis-1,2-Dichloroethene	28		1.0	0.24	ug/L			04/08/15 04:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		58 - 135		04/08/15 04:44	1
4-Bromofluorobenzene (Surr)	100		62 - 123		04/08/15 04:44	1
Toluene-d8 (Surr)	103		71 - 118		04/08/15 04:44	1
Dibromofluoromethane (Surr)	108		64 - 128		04/08/15 04:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	20	U	20	3.0	ug/L			04/08/15 14:52	20
Tetrachloroethene	20	U	20	3.0	ug/L			04/08/15 14:52	20
Toluene	20	U	20	3.0	ug/L			04/08/15 14:52	20
Trichloroethene	100		20	2.9	ug/L			04/08/15 14:52	20
Vinyl chloride	20	U	20	4.5	ug/L			04/08/15 14:52	20
1,2-Dichlorobenzene	20	U	20	3.0	ug/L			04/08/15 14:52	20
cis-1,2-Dichloroethene	34		20	4.7	ug/L			04/08/15 14:52	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		58 - 135		04/08/15 14:52	20
4-Bromofluorobenzene (Surr)	98		62 - 123		04/08/15 14:52	20
Toluene-d8 (Surr)	107		71 - 118		04/08/15 14:52	20
Dibromofluoromethane (Surr)	112		64 - 128		04/08/15 14:52	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.26	J *	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 15:45	1
Chromium	6.2		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 15:45	1
Lead	7.2	J	10	1.2	ug/L		04/07/15 08:25	04/08/15 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	50		1.0	1.0	mg/L			04/06/15 10:10	1
pH	8.29	HF	0.100	0.100	SU			04/04/15 10:28	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-004

Lab Sample ID: 180-42657-4

Date Collected: 04/01/15 10:30

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	5.0	U	5.0	0.75	ug/L			04/08/15 15:19	5
Tetrachloroethene	1.0	J	5.0	0.74	ug/L			04/08/15 15:19	5
Toluene	5.0	U	5.0	0.75	ug/L			04/08/15 15:19	5
Trichloroethene	70		5.0	0.72	ug/L			04/08/15 15:19	5
Vinyl chloride	5.0	U	5.0	1.1	ug/L			04/08/15 15:19	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			04/08/15 15:19	5
cis-1,2-Dichloroethene	19		5.0	1.2	ug/L			04/08/15 15:19	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		58 - 135					04/08/15 15:19	5
4-Bromofluorobenzene (Surr)	93		62 - 123					04/08/15 15:19	5
Toluene-d8 (Surr)	100		71 - 118					04/08/15 15:19	5
Dibromofluoromethane (Surr)	114		64 - 128					04/08/15 15:19	5

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	0.13	ug/L		04/07/15 08:25	04/13/15 16:45	1
Chromium	3.2	J	5.0	0.77	ug/L		04/07/15 08:25	04/13/15 16:45	1
Lead	1.2	J	10	1.2	ug/L		04/07/15 08:25	04/13/15 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	3.5		0.50	0.50	mg/L			04/06/15 10:10	1
pH	8.33	HF	0.100	0.100	SU			04/04/15 10:31	1

Client Sample ID: WS-18036-040115-005

Lab Sample ID: 180-42657-5

Date Collected: 04/01/15 10:40

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	3.9	J B	5.0	0.75	ug/L			04/09/15 13:35	5
Tetrachloroethene	7.0		5.0	0.74	ug/L			04/09/15 13:35	5
Toluene	5.0	U	5.0	0.75	ug/L			04/09/15 13:35	5
Trichloroethene	82		5.0	0.72	ug/L			04/09/15 13:35	5
Vinyl chloride	1.7	J	5.0	1.1	ug/L			04/09/15 13:35	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			04/09/15 13:35	5
cis-1,2-Dichloroethene	23		5.0	1.2	ug/L			04/09/15 13:35	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		58 - 135					04/09/15 13:35	5
4-Bromofluorobenzene (Surr)	94		62 - 123					04/09/15 13:35	5
Toluene-d8 (Surr)	101		71 - 118					04/09/15 13:35	5
Dibromofluoromethane (Surr)	111		64 - 128					04/09/15 13:35	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.21	J *	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 15:53	1
Chromium	7.1		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 15:53	1
Lead	50	U	50	6.0	ug/L		04/07/15 08:25	04/13/15 16:55	5

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-005

Lab Sample ID: 180-42657-5

Date Collected: 04/01/15 10:40

Matrix: Water

Date Received: 04/02/15 10:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	160		1.0	1.0	mg/L			04/06/15 10:10	1
pH	11.2	HF	0.100	0.100	SU			04/04/15 10:33	1

Client Sample ID: WS-18036-040115-006

Lab Sample ID: 180-42657-6

Date Collected: 04/01/15 11:15

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.6	J	3.0	0.45	ug/L			04/08/15 10:06	3
Tetrachloroethene	12		3.0	0.45	ug/L			04/08/15 10:06	3
Toluene	3.0	U	3.0	0.45	ug/L			04/08/15 10:06	3
Trichloroethene	66	F1	3.0	0.43	ug/L			04/08/15 10:06	3
Vinyl chloride	2.6	J	3.0	0.68	ug/L			04/08/15 10:06	3
1,2-Dichlorobenzene	3.0	U	3.0	0.46	ug/L			04/08/15 10:06	3
cis-1,2-Dichloroethene	29	F1	3.0	0.71	ug/L			04/08/15 10:06	3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		58 - 135		04/08/15 10:06	3
4-Bromofluorobenzene (Surr)	96		62 - 123		04/08/15 10:06	3
Toluene-d8 (Surr)	102		71 - 118		04/08/15 10:06	3
Dibromofluoromethane (Surr)	109		64 - 128		04/08/15 10:06	3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.18	J	1.0	0.15	ug/L			04/08/15 06:21	1
Tetrachloroethene	15		1.0	0.15	ug/L			04/08/15 06:21	1
Toluene	0.26	J	1.0	0.15	ug/L			04/08/15 06:21	1
Trichloroethene	77	E	1.0	0.14	ug/L			04/08/15 06:21	1
Vinyl chloride	3.1		1.0	0.23	ug/L			04/08/15 06:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 06:21	1
cis-1,2-Dichloroethene	34		1.0	0.24	ug/L			04/08/15 06:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		58 - 135		04/08/15 06:21	1
4-Bromofluorobenzene (Surr)	96		62 - 123		04/08/15 06:21	1
Toluene-d8 (Surr)	102		71 - 118		04/08/15 06:21	1
Dibromofluoromethane (Surr)	113		64 - 128		04/08/15 06:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.41	J * F1	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 16:04	1
Chromium	9.0		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 16:04	1
Lead	7.4	J	20	2.4	ug/L		04/07/15 08:25	04/13/15 17:01	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	170		1.0	1.0	mg/L			04/06/15 10:10	1
pH	10.6	HF	0.100	0.100	SU			04/04/15 10:42	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-007

Lab Sample ID: 180-42657-7

Date Collected: 04/01/15 12:15

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	10	U	10	1.5	ug/L			04/08/15 16:12	10
Tetrachloroethene	10	U	10	1.5	ug/L			04/08/15 16:12	10
Toluene	10	U	10	1.5	ug/L			04/08/15 16:12	10
Trichloroethene	71		10	1.4	ug/L			04/08/15 16:12	10
Vinyl chloride	10	U	10	2.3	ug/L			04/08/15 16:12	10
1,2-Dichlorobenzene	10	U	10	1.5	ug/L			04/08/15 16:12	10
cis-1,2-Dichloroethene	15		10	2.4	ug/L			04/08/15 16:12	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		58 - 135					04/08/15 16:12	10
4-Bromofluorobenzene (Surr)	101		62 - 123					04/08/15 16:12	10
Toluene-d8 (Surr)	118		71 - 118					04/08/15 16:12	10
Dibromofluoromethane (Surr)	128		64 - 128					04/08/15 16:12	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.25	J *	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 16:19	1
Chromium	10		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 16:19	1
Lead	50	U	50	6.0	ug/L		04/07/15 08:25	04/13/15 17:31	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1.4		0.50	0.50	mg/L			04/06/15 10:10	1
pH	9.03	HF	0.100	0.100	SU			04/04/15 10:36	1

Client Sample ID: WS-18036-040115-008

Lab Sample ID: 180-42657-8

Date Collected: 04/01/15 12:30

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.18	J B	1.0	0.15	ug/L			04/09/15 13:59	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/09/15 13:59	1
Toluene	0.39	J	1.0	0.15	ug/L			04/09/15 13:59	1
Trichloroethene	0.62	J	1.0	0.14	ug/L			04/09/15 13:59	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/09/15 13:59	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/09/15 13:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/09/15 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		58 - 135					04/09/15 13:59	1
4-Bromofluorobenzene (Surr)	96		62 - 123					04/09/15 13:59	1
Toluene-d8 (Surr)	99		71 - 118					04/09/15 13:59	1
Dibromofluoromethane (Surr)	106		64 - 128					04/09/15 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	8.9		5.0	0.13	ug/L		04/07/15 08:25	04/13/15 13:08	1
Chromium	27		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 16:23	1
Lead	100		50	6.0	ug/L		04/07/15 08:25	04/13/15 17:36	5

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-008

Lab Sample ID: 180-42657-8

Date Collected: 04/01/15 12:30

Matrix: Water

Date Received: 04/02/15 10:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	1300		10	10	mg/L			04/07/15 16:10	1
pH	7.70	HF	0.100	0.100	SU			04/04/15 10:39	1

Client Sample ID: WS-18036-040115-009

Lab Sample ID: 180-42657-9

Date Collected: 04/01/15 12:40

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.19	J B	1.0	0.15	ug/L			04/09/15 14:23	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/09/15 14:23	1
Toluene	0.63	J	1.0	0.15	ug/L			04/09/15 14:23	1
Trichloroethene	0.62	J	1.0	0.14	ug/L			04/09/15 14:23	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/09/15 14:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/09/15 14:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/09/15 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		58 - 135		04/09/15 14:23	1
4-Bromofluorobenzene (Surr)	100		62 - 123		04/09/15 14:23	1
Toluene-d8 (Surr)	103		71 - 118		04/09/15 14:23	1
Dibromofluoromethane (Surr)	109		64 - 128		04/09/15 14:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.4		5.0	0.13	ug/L		04/07/15 08:25	04/13/15 13:14	1
Chromium	31		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 16:27	1
Lead	91		50	6.0	ug/L		04/07/15 08:25	04/13/15 17:41	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	750		2.0	2.0	mg/L			04/06/15 10:10	1
pH	7.57	HF	0.100	0.100	SU			04/04/15 10:51	1

Client Sample ID: WS-18036-040115-010

Lab Sample ID: 180-42657-10

Date Collected: 04/01/15 13:15

Matrix: Water

Date Received: 04/02/15 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.15	J B	1.0	0.15	ug/L			04/09/15 14:47	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/09/15 14:47	1
Toluene	1.0	U	1.0	0.15	ug/L			04/09/15 14:47	1
Trichloroethene	0.54	J	1.0	0.14	ug/L			04/09/15 14:47	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/09/15 14:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/09/15 14:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/09/15 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		58 - 135		04/09/15 14:47	1
4-Bromofluorobenzene (Surr)	94		62 - 123		04/09/15 14:47	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: WS-18036-040115-010

Lab Sample ID: 180-42657-10

Date Collected: 04/01/15 13:15

Matrix: Water

Date Received: 04/02/15 10:25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		71 - 118		04/09/15 14:47	1
Dibromofluoromethane (Surr)	108		64 - 128		04/09/15 14:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.21	J*	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 16:31	1
Chromium	13		5.0	0.77	ug/L		04/07/15 08:25	04/08/15 16:31	1
Lead	50	U	50	6.0	ug/L		04/07/15 08:25	04/13/15 17:47	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	7.3		0.50	0.50	mg/L			04/06/15 10:10	1
pH	8.89	HF	0.100	0.100	SU			04/04/15 10:54	1

Client Sample ID: WS-18036-040115-011

Lab Sample ID: 180-42657-11

Date Collected: 04/01/15 13:45

Matrix: Water

Date Received: 04/02/15 10:25

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			04/09/15 15:12	1
Tetrachloroethene	1.2		1.0	0.15	ug/L			04/09/15 15:12	1
Toluene	1.0	U	1.0	0.15	ug/L			04/09/15 15:12	1
Trichloroethene	0.25	J	1.0	0.14	ug/L			04/09/15 15:12	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/09/15 15:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/09/15 15:12	1
cis-1,2-Dichloroethene	0.24	J	1.0	0.24	ug/L			04/09/15 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		58 - 135		04/09/15 15:12	1
4-Bromofluorobenzene (Surr)	100		62 - 123		04/09/15 15:12	1
Toluene-d8 (Surr)	103		71 - 118		04/09/15 15:12	1
Dibromofluoromethane (Surr)	110		64 - 128		04/09/15 15:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.1	J*	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 16:35	1
Chromium	1.9	J	5.0	0.77	ug/L		04/07/15 08:25	04/08/15 16:35	1
Lead	10	U	10	1.2	ug/L		04/07/15 08:25	04/08/15 16:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	13		1.0	1.0	mg/L			04/06/15 10:10	1
pH	8.01	HF	0.100	0.100	SU			04/04/15 10:57	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Client Sample ID: TB-18036-040115-001

Lab Sample ID: 180-42657-12

Date Collected: 04/01/15 00:00

Matrix: Water

Date Received: 04/02/15 10:25

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			04/08/15 20:23	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/08/15 20:23	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 20:23	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/08/15 20:23	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/08/15 20:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 20:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/08/15 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		58 - 135		04/08/15 20:23	1
4-Bromofluorobenzene (Surr)	97		62 - 123		04/08/15 20:23	1
Toluene-d8 (Surr)	103		71 - 118		04/08/15 20:23	1
Dibromofluoromethane (Surr)	113		64 - 128		04/08/15 20:23	1



QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: MB 180-137734/33

Matrix: Water

Analysis Batch: 137734

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			04/08/15 00:19	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/08/15 00:19	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 00:19	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/08/15 00:19	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/08/15 00:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 00:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/08/15 00:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		58 - 135		04/08/15 00:19	1
4-Bromofluorobenzene (Surr)	92		62 - 123		04/08/15 00:19	1
Toluene-d8 (Surr)	100		71 - 118		04/08/15 00:19	1
Dibromofluoromethane (Surr)	112		64 - 128		04/08/15 00:19	1

Lab Sample ID: LCS 180-137734/1002

Matrix: Water

Analysis Batch: 137734

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	10.0		ug/L		100	60 - 140
Tetrachloroethene	10.0	10.6		ug/L		106	73 - 127
Toluene	10.0	10.9		ug/L		109	74 - 126
Trichloroethene	10.0	9.76		ug/L		98	73 - 125
Vinyl chloride	10.0	12.7		ug/L		127	30 - 140
1,2-Dichlorobenzene	10.0	9.50		ug/L		95	68 - 127
cis-1,2-Dichloroethene	10.0	9.74		ug/L		97	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		58 - 135
4-Bromofluorobenzene (Surr)	95		62 - 123
Toluene-d8 (Surr)	102		71 - 118
Dibromofluoromethane (Surr)	94		64 - 128

Lab Sample ID: 180-42657-6 MS

Matrix: Water

Analysis Batch: 137734

Client Sample ID: WS-18036-040115-006

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	1.6	J	30.0	27.7		ug/L		87	60 - 140
Tetrachloroethene	12		30.0	38.0		ug/L		87	73 - 127
Toluene	3.0	U	30.0	31.2		ug/L		104	74 - 126
Trichloroethene	66	F1	30.0	71.0	F1	ug/L		16	73 - 125
Vinyl chloride	2.6	J	30.0	35.8		ug/L		111	30 - 140
1,2-Dichlorobenzene	3.0	U	30.0	29.9		ug/L		100	68 - 127
cis-1,2-Dichloroethene	29	F1	30.0	46.3	F1	ug/L		59	69 - 127

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: 180-42657-6 MS

Matrix: Water

Analysis Batch: 137734

Client Sample ID: WS-18036-040115-006

Prep Type: Total/NA

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	93		58 - 135
4-Bromofluorobenzene (Surr)	91		62 - 123
Toluene-d8 (Surr)	93		71 - 118
Dibromofluoromethane (Surr)	88		64 - 128

Lab Sample ID: 180-42657-6 MSD

Matrix: Water

Analysis Batch: 137734

Client Sample ID: WS-18036-040115-006

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Methylene Chloride	1.6	J	30.0	26.5		ug/L		83	60 - 140	5	25
Tetrachloroethene	12		30.0	37.0		ug/L		84	73 - 127	3	25
Toluene	3.0	U	30.0	29.8		ug/L		99	74 - 126	4	25
Trichloroethene	66	F1	30.0	73.3	F1	ug/L		23	73 - 125	3	25
Vinyl chloride	2.6	J	30.0	36.0		ug/L		111	30 - 140	0	35
1,2-Dichlorobenzene	3.0	U	30.0	29.8		ug/L		99	68 - 127	0	35
cis-1,2-Dichloroethene	29	F1	30.0	47.5	F1	ug/L		63	69 - 127	3	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	85		58 - 135
4-Bromofluorobenzene (Surr)	93		62 - 123
Toluene-d8 (Surr)	89		71 - 118
Dibromofluoromethane (Surr)	80		64 - 128

Lab Sample ID: MB 180-137923/7

Matrix: Water

Analysis Batch: 137923

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methylene Chloride	1.0	U	1.0	0.15	ug/L			04/08/15 11:22	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/08/15 11:22	1
Toluene	1.0	U	1.0	0.15	ug/L			04/08/15 11:22	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/08/15 11:22	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/08/15 11:22	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/08/15 11:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/08/15 11:22	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	88		58 - 135		04/08/15 11:22	1
4-Bromofluorobenzene (Surr)	94		62 - 123		04/08/15 11:22	1
Toluene-d8 (Surr)	111		71 - 118		04/08/15 11:22	1
Dibromofluoromethane (Surr)	108		64 - 128		04/08/15 11:22	1

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: LCS 180-137923/1003

Matrix: Water

Analysis Batch: 137923

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	9.67		ug/L		97	60 - 140
Tetrachloroethene	10.0	9.78		ug/L		98	73 - 127
Toluene	10.0	10.4		ug/L		104	74 - 126
Trichloroethene	10.0	10.4		ug/L		104	73 - 125
Vinyl chloride	10.0	10.2		ug/L		102	30 - 140
1,2-Dichlorobenzene	10.0	10.3		ug/L		103	68 - 127
cis-1,2-Dichloroethene	10.0	10.1		ug/L		101	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		58 - 135
4-Bromofluorobenzene (Surr)	96		62 - 123
Toluene-d8 (Surr)	109		71 - 118
Dibromofluoromethane (Surr)	101		64 - 128

Lab Sample ID: 180-42664-A-1 MS

Matrix: Water

Analysis Batch: 137923

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	10.5		ug/L		105	60 - 140
Tetrachloroethene	1.0	U	10.0	7.73		ug/L		77	73 - 127
Toluene	1.0	U	10.0	10.0		ug/L		100	74 - 126
Trichloroethene	1.0	U	10.0	8.59		ug/L		86	73 - 125
Vinyl chloride	1.0	U	10.0	7.81		ug/L		78	30 - 140
1,2-Dichlorobenzene	1.0	U	10.0	10.2		ug/L		102	68 - 127
cis-1,2-Dichloroethene	1.0	U	10.0	10.3		ug/L		103	69 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		58 - 135
4-Bromofluorobenzene (Surr)	105		62 - 123
Toluene-d8 (Surr)	108		71 - 118
Dibromofluoromethane (Surr)	113		64 - 128

Lab Sample ID: 180-42664-B-1 MSD

Matrix: Water

Analysis Batch: 137923

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride	1.0	U	10.0	10.6		ug/L		106	60 - 140	1	25
Tetrachloroethene	1.0	U	10.0	8.37		ug/L		84	73 - 127	8	25
Toluene	1.0	U	10.0	10.1		ug/L		101	74 - 126	1	25
Trichloroethene	1.0	U	10.0	8.80		ug/L		88	73 - 125	2	25
Vinyl chloride	1.0	U	10.0	9.15		ug/L		92	30 - 140	16	35
1,2-Dichlorobenzene	1.0	U	10.0	11.1		ug/L		111	68 - 127	9	35
cis-1,2-Dichloroethene	1.0	U	10.0	9.97		ug/L		100	69 - 127	3	20

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: 180-42664-B-1 MSD

Matrix: Water

Analysis Batch: 137923

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	97		58 - 135
4-Bromofluorobenzene (Surr)	98		62 - 123
Toluene-d8 (Surr)	110		71 - 118
Dibromofluoromethane (Surr)	104		64 - 128

Lab Sample ID: MB 180-138040/3

Matrix: Water

Analysis Batch: 138040

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methylene Chloride	0.160	J	1.0	0.15	ug/L			04/09/15 12:54	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			04/09/15 12:54	1
Toluene	1.0	U	1.0	0.15	ug/L			04/09/15 12:54	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			04/09/15 12:54	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			04/09/15 12:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			04/09/15 12:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			04/09/15 12:54	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	115		58 - 135		04/09/15 12:54	1
4-Bromofluorobenzene (Surr)	99		62 - 123		04/09/15 12:54	1
Toluene-d8 (Surr)	105		71 - 118		04/09/15 12:54	1
Dibromofluoromethane (Surr)	108		64 - 128		04/09/15 12:54	1

Lab Sample ID: LCS 180-138040/1002

Matrix: Water

Analysis Batch: 138040

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	9.94		ug/L		99	73 - 127
Toluene	10.0	9.76		ug/L		98	74 - 126
Trichloroethene	10.0	8.89		ug/L		89	73 - 125
Vinyl chloride	10.0	11.5		ug/L		115	30 - 140
1,2-Dichlorobenzene	10.0	9.00		ug/L		90	68 - 127
cis-1,2-Dichloroethene	10.0	9.18		ug/L		92	69 - 127

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	95		58 - 135
4-Bromofluorobenzene (Surr)	94		62 - 123
Toluene-d8 (Surr)	96		71 - 118
Dibromofluoromethane (Surr)	93		64 - 128

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: 180-42837-O-2 MS

Matrix: Water

Analysis Batch: 138040

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Methylene Chloride	1.0	U	10.0	9.92		ug/L		99	60 - 140
Tetrachloroethene	1.0	U	10.0	9.86		ug/L		99	73 - 127
Toluene	1.0	U	10.0	9.84		ug/L		98	74 - 126
Trichloroethene	1.0	U	10.0	9.35		ug/L		93	73 - 125
Vinyl chloride	1.0	U	10.0	11.2		ug/L		112	30 - 140
1,2-Dichlorobenzene	1.0	U	10.0	9.39		ug/L		94	68 - 127
cis-1,2-Dichloroethene	1.0	U	10.0	9.31		ug/L		93	69 - 127

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	98		58 - 135
4-Bromofluorobenzene (Surr)	98		62 - 123
Toluene-d8 (Surr)	95		71 - 118
Dibromofluoromethane (Surr)	99		64 - 128

Lab Sample ID: 180-42837-E-2 DU

Matrix: Water

Analysis Batch: 138040

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample		DU DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Toluene	1.0	U	1.0	U	ug/L		NC	

Surrogate	DU DU		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	114		58 - 135
4-Bromofluorobenzene (Surr)	103		62 - 123
Toluene-d8 (Surr)	103		71 - 118
Dibromofluoromethane (Surr)	116		64 - 128

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-137705/1-A

Matrix: Water

Analysis Batch: 137967

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 137705

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.13	ug/L		04/07/15 08:25	04/08/15 15:19	1
Chromium	5.0	U	5.0	0.77	ug/L		04/07/15 08:25	04/08/15 15:19	1
Lead	10	U	10	1.2	ug/L		04/07/15 08:25	04/08/15 15:19	1

Lab Sample ID: MB 180-137705/1-A

Matrix: Water

Analysis Batch: 138371

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 137705

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.13	ug/L		04/07/15 08:25	04/13/15 12:58	1

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: LCS 180-137705/2-A

Matrix: Water

Analysis Batch: 137967

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 137705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	61.0	*	ug/L		122	85 - 115
Chromium	200	203		ug/L		102	85 - 115
Lead	500	540		ug/L		108	85 - 115

Lab Sample ID: LCS 180-137705/2-A

Matrix: Water

Analysis Batch: 138371

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 137705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	53.0		ug/L		106	85 - 115

Lab Sample ID: 180-42657-1 MS

Matrix: Water

Analysis Batch: 137967

Client Sample ID: WS-18036-040115-001

Prep Type: Total Recoverable

Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.97	J * F1	50.0	68.6	F1	ug/L		135	70 - 130
Chromium	3.7	J	200	186		ug/L		91	70 - 130

Lab Sample ID: 180-42657-1 MS

Matrix: Water

Analysis Batch: 138371

Client Sample ID: WS-18036-040115-001

Prep Type: Total Recoverable

Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50	U	500	475		ug/L		95	70 - 130

Lab Sample ID: 180-42657-1 MSD

Matrix: Water

Analysis Batch: 137967

Client Sample ID: WS-18036-040115-001

Prep Type: Total Recoverable

Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Cadmium	0.97	J * F1	50.0	71.9	F1	ug/L		142	70 - 130	5	20
Chromium	3.7	J	200	195		ug/L		96	70 - 130	5	20

Lab Sample ID: 180-42657-1 MSD

Matrix: Water

Analysis Batch: 138371

Client Sample ID: WS-18036-040115-001

Prep Type: Total Recoverable

Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	50	U	500	495		ug/L		99	70 - 130	4	20

Lab Sample ID: 180-42657-6 MS

Matrix: Water

Analysis Batch: 137967

Client Sample ID: WS-18036-040115-006

Prep Type: Total Recoverable

Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.41	J * F1	50.0	64.3		ug/L		128	70 - 130
Chromium	9.0		200	205		ug/L		98	70 - 130

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: 180-42657-6 MS
Matrix: Water
Analysis Batch: 138371

Client Sample ID: WS-18036-040115-006
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	7.4	J	500	493		ug/L		97	70 - 130

Lab Sample ID: 180-42657-6 MSD
Matrix: Water
Analysis Batch: 137967

Client Sample ID: WS-18036-040115-006
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.41	J* F1	50.0	66.5	F1	ug/L		132	70 - 130	3	20
Chromium	9.0		200	210		ug/L		100	70 - 130	2	20

Lab Sample ID: 180-42657-6 MSD
Matrix: Water
Analysis Batch: 138371

Client Sample ID: WS-18036-040115-006
Prep Type: Total Recoverable
Prep Batch: 137705

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	7.4	J	500	511		ug/L		101	70 - 130	4	20

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

Lab Sample ID: MB 180-137610/2
Matrix: Water
Analysis Batch: 137610

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			04/06/15 10:10	1

Lab Sample ID: LCS 180-137610/1
Matrix: Water
Analysis Batch: 137610

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	58.0	54.0		mg/L		93	80 - 120

Lab Sample ID: 180-42657-6 DU
Matrix: Water
Analysis Batch: 137610

Client Sample ID: WS-18036-040115-006
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	170		171		mg/L		0.8	10

Lab Sample ID: 180-42657-11 DU
Matrix: Water
Analysis Batch: 137610

Client Sample ID: WS-18036-040115-011
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	13		18.2	F3	mg/L		36	10

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

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

Lab Sample ID: MB 180-137797/2
Matrix: Water
Analysis Batch: 137797

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			04/07/15 16:10	1

Lab Sample ID: LCS 180-137797/1
Matrix: Water
Analysis Batch: 137797

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	58.0	50.0		mg/L		86	80 - 120

Lab Sample ID: 180-42744-A-2 DU
Matrix: Water
Analysis Batch: 137797

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	1.0	U	1.0	U	mg/L		NC	10

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-137528/1
Matrix: Water
Analysis Batch: 137528

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	7.040		SU		101	99 - 101

Lab Sample ID: 180-42657-1 DU
Matrix: Water
Analysis Batch: 137528

Client Sample ID: WS-18036-040115-001
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.96	HF	7.940		SU		0.3	2

Lab Sample ID: 180-42657-6 DU
Matrix: Water
Analysis Batch: 137528

Client Sample ID: WS-18036-040115-006
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	10.6	HF	10.58	HF	SU		0.2	2

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

GC/MS VOA

Analysis Batch: 137734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-1	WS-18036-040115-001	Total/NA	Water	624	
180-42657-2	WS-18036-040115-002	Total/NA	Water	624	
180-42657-3	WS-18036-040115-003	Total/NA	Water	624	
180-42657-6 - RA	WS-18036-040115-006	Total/NA	Water	624	
180-42657-6	WS-18036-040115-006	Total/NA	Water	624	
180-42657-6 MS	WS-18036-040115-006	Total/NA	Water	624	
180-42657-6 MSD	WS-18036-040115-006	Total/NA	Water	624	
LCS 180-137734/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-137734/33	Method Blank	Total/NA	Water	624	

Analysis Batch: 137923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-3 - DL	WS-18036-040115-003	Total/NA	Water	624	
180-42657-4	WS-18036-040115-004	Total/NA	Water	624	
180-42657-7	WS-18036-040115-007	Total/NA	Water	624	
180-42657-12	TB-18036-040115-001	Total/NA	Water	624	
180-42664-A-1 MS	Matrix Spike	Total/NA	Water	624	
180-42664-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
LCS 180-137923/1003	Lab Control Sample	Total/NA	Water	624	
MB 180-137923/7	Method Blank	Total/NA	Water	624	

Analysis Batch: 138040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-5	WS-18036-040115-005	Total/NA	Water	624	
180-42657-8	WS-18036-040115-008	Total/NA	Water	624	
180-42657-9	WS-18036-040115-009	Total/NA	Water	624	
180-42657-10	WS-18036-040115-010	Total/NA	Water	624	
180-42657-11	WS-18036-040115-011	Total/NA	Water	624	
180-42837-E-2 DU	Duplicate	Total/NA	Water	624	
180-42837-O-2 MS	Matrix Spike	Total/NA	Water	624	
LCS 180-138040/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-138040/3	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 137705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-1	WS-18036-040115-001	Total Recoverable	Water	200.7	
180-42657-1 MS	WS-18036-040115-001	Total Recoverable	Water	200.7	
180-42657-1 MSD	WS-18036-040115-001	Total Recoverable	Water	200.7	
180-42657-2	WS-18036-040115-002	Total Recoverable	Water	200.7	
180-42657-3	WS-18036-040115-003	Total Recoverable	Water	200.7	
180-42657-4	WS-18036-040115-004	Total Recoverable	Water	200.7	
180-42657-5	WS-18036-040115-005	Total Recoverable	Water	200.7	
180-42657-6	WS-18036-040115-006	Total Recoverable	Water	200.7	
180-42657-6 MS	WS-18036-040115-006	Total Recoverable	Water	200.7	
180-42657-6 MSD	WS-18036-040115-006	Total Recoverable	Water	200.7	
180-42657-7	WS-18036-040115-007	Total Recoverable	Water	200.7	
180-42657-8	WS-18036-040115-008	Total Recoverable	Water	200.7	
180-42657-9	WS-18036-040115-009	Total Recoverable	Water	200.7	

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

Metals (Continued)

Prep Batch: 137705 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-10	WS-18036-040115-010	Total Recoverable	Water	200.7	
180-42657-11	WS-18036-040115-011	Total Recoverable	Water	200.7	
LCS 180-137705/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-137705/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 137967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-1	WS-18036-040115-001	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-1 MS	WS-18036-040115-001	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-1 MSD	WS-18036-040115-001	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-2	WS-18036-040115-002	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-3	WS-18036-040115-003	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-5	WS-18036-040115-005	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-6	WS-18036-040115-006	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-6 MS	WS-18036-040115-006	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-6 MSD	WS-18036-040115-006	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-7	WS-18036-040115-007	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-8	WS-18036-040115-008	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-9	WS-18036-040115-009	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-10	WS-18036-040115-010	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-11	WS-18036-040115-011	Total Recoverable	Water	200.7 Rev 4.4	137705
LCS 180-137705/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	137705
MB 180-137705/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	137705

Analysis Batch: 138371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-1	WS-18036-040115-001	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-1 MS	WS-18036-040115-001	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-1 MSD	WS-18036-040115-001	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-4	WS-18036-040115-004	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-5	WS-18036-040115-005	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-6	WS-18036-040115-006	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-6 MS	WS-18036-040115-006	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-6 MSD	WS-18036-040115-006	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-7	WS-18036-040115-007	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-8	WS-18036-040115-008	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-8	WS-18036-040115-008	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-9	WS-18036-040115-009	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-9	WS-18036-040115-009	Total Recoverable	Water	200.7 Rev 4.4	137705
180-42657-10	WS-18036-040115-010	Total Recoverable	Water	200.7 Rev 4.4	137705
LCS 180-137705/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	137705
MB 180-137705/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	137705

General Chemistry

Analysis Batch: 137528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-1	WS-18036-040115-001	Total/NA	Water	SM 4500 H+ B	
180-42657-1 DU	WS-18036-040115-001	Total/NA	Water	SM 4500 H+ B	
180-42657-2	WS-18036-040115-002	Total/NA	Water	SM 4500 H+ B	

TestAmerica Pittsburgh

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-42657-1

General Chemistry (Continued)

Analysis Batch: 137528 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-3	WS-18036-040115-003	Total/NA	Water	SM 4500 H+ B	
180-42657-4	WS-18036-040115-004	Total/NA	Water	SM 4500 H+ B	
180-42657-5	WS-18036-040115-005	Total/NA	Water	SM 4500 H+ B	
180-42657-6	WS-18036-040115-006	Total/NA	Water	SM 4500 H+ B	
180-42657-6 DU	WS-18036-040115-006	Total/NA	Water	SM 4500 H+ B	
180-42657-7	WS-18036-040115-007	Total/NA	Water	SM 4500 H+ B	
180-42657-8	WS-18036-040115-008	Total/NA	Water	SM 4500 H+ B	
180-42657-9	WS-18036-040115-009	Total/NA	Water	SM 4500 H+ B	
180-42657-10	WS-18036-040115-010	Total/NA	Water	SM 4500 H+ B	
180-42657-11	WS-18036-040115-011	Total/NA	Water	SM 4500 H+ B	
LCS 180-137528/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 137610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-1	WS-18036-040115-001	Total/NA	Water	SM 2540D	
180-42657-2	WS-18036-040115-002	Total/NA	Water	SM 2540D	
180-42657-3	WS-18036-040115-003	Total/NA	Water	SM 2540D	
180-42657-4	WS-18036-040115-004	Total/NA	Water	SM 2540D	
180-42657-5	WS-18036-040115-005	Total/NA	Water	SM 2540D	
180-42657-6	WS-18036-040115-006	Total/NA	Water	SM 2540D	
180-42657-6 DU	WS-18036-040115-006	Total/NA	Water	SM 2540D	
180-42657-7	WS-18036-040115-007	Total/NA	Water	SM 2540D	
180-42657-9	WS-18036-040115-009	Total/NA	Water	SM 2540D	
180-42657-10	WS-18036-040115-010	Total/NA	Water	SM 2540D	
180-42657-11	WS-18036-040115-011	Total/NA	Water	SM 2540D	
180-42657-11 DU	WS-18036-040115-011	Total/NA	Water	SM 2540D	
LCS 180-137610/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-137610/2	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 137797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-42657-8	WS-18036-040115-008	Total/NA	Water	SM 2540D	
180-42744-A-2 DU	Duplicate	Total/NA	Water	SM 2540D	
LCS 180-137797/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-137797/2	Method Blank	Total/NA	Water	SM 2540D	



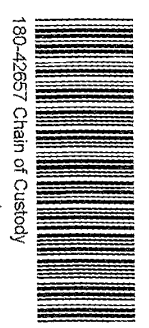
CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD
 Address: 2835 Allegheny Falls Blvd, Niagara Falls, NY
 Phone: 716.297.6150 Fax: 716.297.2615

COC NO.: 48172
 PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No./Phase/Task Code: 18036-2014		Laboratory Name: TestAmerica		Lab Location: Pittsburgh, PA		SSOW ID: 18036	
Project Name: Sewer Sewer Sampling Aventura		Lab Contact: Jill Colussy		Lab Quote No.:		Cooler No.:	
Project Location: Buffalo Airport, Cheektowaga, NY		SAMPLE TYPE		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)	
Chemistry Contact: Sue Scrocechi		Matrix Code (see back of COC)		Unpreserved		624 VOCs PPL	
Sampler(s): Kevin Lynch Doug Osceen		Grab (G) or Comp (C)		Hydrochloric Acid (HCl)		200.7 Metals	
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)		DATE (mm/dd/yyyy)		TIME (hh:mm)		Nitric Acid (HNO ₃)	
1 WS-18036-040115-001		4/1/15		0900		Sulfuric Acid (H ₂ SO ₄)	
2 WS-18036-040115-002		4/1/15		0930		Sodium Hydroxide (NaOH)	
3 WS-18036-040115-003		4/1/15		1000		Methanol/Water (Soil VOC)	
4 WS-18036-040115-004		4/1/15		1030		EnCores 3x5-g, 1x25-g	
5 WS-18036-040115-005		4/1/15		1040		Other:	
6 WS-18036-040115-006		4/1/15		1115		Total Containers/Sample	
7 WS-18036-040115-007		4/1/15		1215		6 3 1 1 1 1	
8 WS-18036-040115-008		4/1/15		1230		18 9 3 3 3 3	
9 WS-18036-040115-009		4/1/15		1240		6 3 1 1 1 1	
10 WS-18036-040115-010		4/1/15		1315		6 3 1 1 1 1	
11 WS-18036-040115-011		4/1/15		1345		6 3 1 1 1 1	
12 TB-18036-040115-001		4/1/15		-		2 2 - - - -	
Temp blank in cooler		-		-			



180-42657 Chain of Custody

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

Total Number of Containers: 50
 All Samples in Cooler must be on COC

Notes/Special Requirements:
 PH also Field measured, see 004 bag p66,
 007, have elevated PH

REQUISITION BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[Signature]	CRA	4/1/15	1530	[Signature]	Goldrod	4/15/15	1025
[Signature]	CRA	4/1/15	1530	[Signature]	Goldrod	4/15/15	1025

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

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

Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-42657-1

Login Number: 42657

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Kovitch, Christina M

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.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (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
APRIL 2015 SAMPLING DATA



MEMORANDUM

TO: Leo Brausch [lbrausch@consolidated.net], Jim Kay REF. No.: 018036

FROM: Paul McMahon/adh/1 *pm* DATE: April 22, 2015

RE: **Analytical Results and Reduced Validation
Surface Water and Groundwater Sampling
CBS Corporation Airport Site – Cheektowaga, New York
April 2015**

1.0 Introduction

The following document details a reduced validation of analytical results for surface water and groundwater samples collected at the Cheektowaga, New York Site on April 1, 2015. Samples were submitted to TestAmerica (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 Conestoga-Rovers & Associates (CRA) report 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 3 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

Items i) and ii) will subsequently be referred to as the "Guidelines" in this Memorandum.

2.0 Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 2. Sample chain of custody documents and the analytical report 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).

3.0 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, indicating that laboratory contamination was not a factor for this investigation. Methylene chloride and lead were in the method blanks; all associated sample results with similar detections were qualified as non-detect (see Table 4).

4.0 Surrogate Spike Recoveries - Volatile Organic Compound Analyses

In accordance with the method 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. Most surrogate recoveries met the criteria, demonstrating acceptable analytical accuracy. Several high 1,2-dichloroethane-d4 recoveries were reported for the groundwater analyses. All associated sample results were non-detect and were not impacted by the indicated high bias.

5.0 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, LCSs were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

VOC Analyses

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

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.

6.0 Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the 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. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed.

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

VOC Analyses

The MS/MSD samples were spiked with all compounds of interest. All MS/MSD recoveries and RPDs were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision with the exception of the sample results presented with qualifiers in Table 5.

Metals Analyses

The MS/MSD samples were spiked with all analytes of interest. MS/MSD recoveries and RPD recoveries were assessed per the "Guidelines". All MS/MSD recoveries and RPDs demonstrated acceptable analytical accuracy and precision with the exception of the sample results presented with qualifiers in Table 5.

7.0 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 and internally. The duplicate results were evaluated per the "Guidelines". Most duplicate analyses performed were

acceptable, demonstrating acceptable analytical precision. One total suspended solids (TSS) analysis did indicate some variability, and the associated sample result was qualified as estimated (see Table 6).

8.0 Field QA/QC Samples

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

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. All results were non-detect for the compounds of interest.

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 time the PQL value.

Most field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision. The TSS analysis did indicate some variability, and the associated sample results were qualified as estimated (see Table 7).

9.0 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 PQL but greater than the MDL were qualified as estimated (J) unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the PQL.

10.0 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
APRIL 2015**

<i>Sample ID</i>	<i>Location ID</i>	<i>Collection Date (mm/dd/yy)</i>	<i>Collection Time (hr:min)</i>	<i>Analysis/Parameters</i>			<i>Comments</i>
				<i>VOCs</i>	<i>Metals</i>	<i>pH/TSS</i>	
Surface Water							
WS-18036-040115-001	1B	4/1/2015	9:00	X	X	X	
WS-18036-040115-002	1C	4/1/2015	9:30	X	X	X	
WS-18036-040115-003	2D	4/1/2015	10:00	X	X	X	
WS-18036-040115-004	2A	4/1/2015	10:30	X	X	X	
WS-18036-040115-005	2B	4/1/2015	10:40	X	X	X	
WS-18036-040115-006	2C	4/1/2015	11:15	X	X	X	MS/MSD/DUP
WS-18036-040115-007	3A	4/1/2015	12:15	X	X	X	
WS-18036-040115-008	3C	4/1/2015	12:30	X	X	X	
WS-18036-040115-009	3C	4/1/2015	12:40	X	X	X	Duplicate of WS-18036-112414-008
WS-18036-040115-010	3B	4/1/2015	13:30	X	X	X	
WS-18036-040115-011	1A	4/1/2015	13:45	X	X	X	
TB-18036-040115-01	-	4/1/2015	-	X			Trip Blank
Groundwater							
WG-18036-040115-SG-001	MW-34	4/1/2015	9:20	X	X		
WG-18036-040115-DJT-002	MW-34D	4/1/2015	10:00	X	X		
WG-18036-040115-SG-003	MW-35	4/1/2015	10:55	X	X		
WG-18036-040115-SG-005	MW-35	4/1/2015	10:55	X	X		Duplicate of WG-18036-040115-SG-003
WG-18036-040115-DJT-004	MW-30	4/1/2015	10:50	X	X		
WG-18036-040115-DJT-006	MW-33	4/1/2015	11:30	X	X		
WG-18-036-040115-SG-007	MW-2	4/1/2015	12:25	X	X		
WG-18036-040115-DJT-008	MW-32	4/1/2015	12:10	X	X		

TABLE 1

**SAMPLE COLLECTION AND ANALYSIS SUMMARY
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
CBS CORPORATION AIRPORT SITE
CHEEKTOWAGA, NEW YORK
APRIL 2015**

<i>Sample ID</i>	<i>Location ID</i>	<i>Collection Date (mm/dd/yy)</i>	<i>Collection Time (hr:min)</i>	<i>Analysis/Parameters</i>			<i>Comments</i>
				<i>VOCs</i>	<i>Metals</i>	<i>pH/TSS</i>	
<i>Groundwater-Continued</i>							
WG-18036-040115-SG-009	MW-28	4/1/2015	13:20	X	X		
WG-18036-040115-DJT-010	MW-5	4/1/2015	13:40	X	X		
WG-18036-040115-SG-011	MW-31	4/1/2015	14:30	X	X		MS/MSD
TB-18036-040115-SG	-	4/1/2015	-	X			

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 TIMES CRITERIA AND ANALYTICAL METHODS SUMMARY
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
CBS CORPORATION AIRPORT SITE
CHEEKTOWAGA, NEW YORK
APRIL 2015**

<i>Parameter</i>	<i>Matrix</i>	<i>Analytical Method</i>	<i>Collection to Analysis</i>
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
APRIL 2015**

<i>Parameter</i>	<i>Holding Time</i>	<i>Holding Time Criteria</i>	<i>Sample ID</i>	<i>Qualified Sample Results</i>	<i>Units</i>
pH	3 days	15 minutes	WS-18036-040115-001	7.96 J	S.U.
			WS-18036-040115-002	8.10 J	S.U.
			WS-18036-040115-003	8.29 J	S.U.
			WS-18036-040115-004	8.33 J	S.U.
			WS-18036-040115-005	11.2 J	S.U.
			WS-18036-040115-006	10.6 J	S.U.
			WS-18036-040115-007	9.03 J	S.U.
			WS-18036-040115-008	7.70 J	S.U.
			WS-18036-040115-009	7.57 J	S.U.
			WS-18036-040115-010	8.89 J	S.U.
			WS-18036-040115-011	8.01 J	S.U.

Notes:

J Estimated concentration
S.U. Standard Units

TABLE 4

**QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
CBS CORPORATION AIRPORT SITE
CHEEKTOWAGA, NEW YORK
APRIL 2015**

<i>Parameter</i>	<i>Analysis Date</i>	<i>Analyte</i>	<i>Blank Result</i> ⁽¹⁾	<i>Sample ID</i>	<i>Qualified Sample Result</i>	<i>Units</i>
VOCs	04/09/2015	Methylene chloride	0.80 J	WS-18036-040115-005	5.0 U	µg/L
			0.16 J	WS-18036-040115-008	1.0 U	µg/L
			0.16 J	WS-18036-040115-009	1.0 U	µg/L
			0.16 J	WS-18036-040115-010	1.0 U	µg/L
Metals	04/07/2015	Lead	1.6 J	WG-18036-040115-DJT-002	10 U	µg/L
			1.6 J	WG-18036-040115-SG-001	10 U	µg/L
			1.6 J	WG-18036-040115-SG-003	10 U	µg/L
			1.6 J	WG-18036-040115-SG-005	10 U	µg/L
			3.2 J	WG-18036-040115-SG-011	20 U	µg/L

Notes:

VOCs Volatile Organic Compounds

J Estimated concentration

U Not detected at the associated reporting limit

⁽¹⁾ Blank results corrected for individual sample dilution factors, where applicable

TABLE 5

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
CBS CORPORATION AIRPORT SITE
CHEEKTOWAGA, NEW YORK
APRIL 2015**

<i>Parameter</i>	<i>Analyte</i>	<i>Sample ID</i>	<i>MS % Recovery</i>	<i>MSD % Recovery</i>	<i>RPD (percent)</i>	<i>Control Limits</i>		<i>Qualified Result</i>	<i>Units</i>
						<i>% Recovery</i>	<i>RPD</i>		
VOCs	cis-1,2-Dichloroethylene	WS-18036-040115-006	59	63	3	69-127	20	29 J	µg/L
	Trichloroethylene (TCE)	WS-18036-040115-006	16	23	3	73-125	25	66 J	µg/L
Metals	Cadmium	WS-18036-040115-001	135	142	5	75-125	20	0.97 J	µg/L
		WS-18036-040115-002						0.18 J	µg/L
		WS-18036-040115-003						0.26 J	µg/L
		WS-18036-040115-005						0.21 J	µg/L
		WS-18036-040115-006						0.41 J	µg/L
		WS-18036-040115-007						0.25 J	µg/L
		WS-18036-040115-008						8.9 J	µg/L
		WS-18036-040115-009						5.4 J	µg/L
		WS-18036-040115-010						0.21 J	µg/L
		WS-18036-040115-011						1.1 J	µg/L

Notes:

VOCs Volatile Organic Compounds
MS Matrix Spike
MSD Matrix Spike Duplicate
RPD Relative Percent Difference
J Estimated concentration

TABLE 6

**QUALIFIED SAMPLE RESULTS DUE TO POOR LABORATORY DUPLICATE PRECISION
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
CBS CORPORATION AIRPORT SITE
CHEEKTOWAGA, NEW YORK
APRIL 2015**

<i>Analyte</i>	<i>Sample ID</i>	<i>RPD</i>	<i>RPD Control Limit</i>	<i>Qualified Sample Results</i>	<i>Units</i>
Total Suspended Solids	WS-18036-040115-011	36	20	13 J	mg/L

Notes:

RPD Relative Percent Difference
J Estimated concentration

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO VARIABILITY IN FIELD DUPLICATE RESULTS
GROUNDWATER AND SURFACE WATER MONITORING PROGRAM
CBS CORPORATION AIRPORT SITE
CHEEKTOWAGA, NEW YORK
APRIL 2015**

<i>Parameter</i>	<i>Analyte</i>	<i>Original Sample ID</i>	<i>Qualified Sample Result</i>	<i>Duplicate Sample ID</i>	<i>Qualified Sample Result</i>	<i>RPD</i>	<i>Units</i>
General Chemistry	TSS	WS-18036-040115-008	1300 J	WS-18036-040115-009	750 J	54	mg/L

Notes:

TSS Total Suspended Solids
 RPD Relative Percent Difference
 J Estimated concentration