



CBS Corporation

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

Via Electronic and First-Class Mail

July 12, 2014

Mr. David P. Locey
New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
Region 9
270 Michigan Avenue
Buffalo, NY 14203-2999

**Re: Monthly Status Report, June 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 monthly status report on activities undertaken in June 2014 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 of the Operable Unit 2 (OU2) groundwater collection and treatment system.

1. Site Activities and Status

- A. On June 19, 2014, CBS submitted to NYSDEC a monthly report on the status of activities at the Site in May 2014.
- B. In anticipation of OU2 closure activities, Conestoga-Rovers & Associates (CRA) operated Sump 002 and the groundwater treatment plant throughout June 2014. The plant was out of service for approximately one week due to a pump failure that has since been repaired. TestAmerica Laboratories, Inc. provided required analytical laboratory services.
- C. CBS continued preparations to implement the approved work plan for closure of the OU2 groundwater collection and treatment system, including

coordinating with NFTA operations personnel to discuss logistical issues. CRA will serve as the prime contractor for this activity.

- D. CRA submitted the electronic data deliverable for the quarterly groundwater monitoring at well MW-32 that was completed in March 2014 (June 11, 2014) and for the May 2014 influent and effluent sampling (June 18, 2014) for incorporation in the NYSDEC EQuIS database.

2. Sampling Results and Other Site Data

- A. In June 2014, the groundwater system recovered and treated an estimated 300,000 gallons.¹
- B. Attachment A provides the discharge monitoring report for June 2014 based on the effluent sample collected on June 26, 2014. Attachment B provides the analytical laboratory report for this effluent sample (Sample No. WG-18036-062614-002).
- C. In reviewing the treatment system effluent monitoring information for June 2014, please note the following:
- Flow data are estimated from periodic on-site readings. The monthly total and maximum daily flows are extrapolated from these data.
 - The pH data are provided by the submitted laboratory sample and periodic on-site readings. Effluent pH data are reported only for measurements taken while the treatment pump is operating and the system is actively discharging.
 - The reported daily maximum values (pounds per day) are calculated using the maximum estimated daily flow and the results of the monthly effluent monitoring, irrespective of whether the actual maximum daily flow occurred on the day of sampling.
- D. For the June 2014 reporting period, the effluent complied with all discharge limitations.
- E. Attachment B also provides the analytical laboratory report for an influent sample from pumping Sump 002 (Sample No. WG-18036-053114-001) collected on June 26, 2014.

¹ This quantity is an estimate based on flow meter readings provided by CRA.

3. Upcoming Activities

- A. CRA will submit the electronic data deliverable for the June 2014 influent and effluent sampling for incorporation in the NYSDEC EQuIS database.
- B. CBS will continue operation of the on-site groundwater treatment plant for the duration of the OU2 closure activities.
- C. CBS will implement the approved work plan for closure of the OU2 groundwater collection and treatment system. The Site work is currently scheduled to begin on July 14, 2014 and is expected to take approximately six weeks.

4. Operational Problems

- A. There are no operational problems affecting the current planning of the OU2 groundwater collection and treatment system closure.

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

LMB:
Attachments

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

ATTACHMENT A
DISCHARGE MONITORING REPORT
JUNE 2014

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

Reporting Month & Year **Jun-14**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		20,000	gpd		1	Estimate
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	7.71	8.08	s.u.		4	Grab
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		< 2.0	mg/L	< 0.33	1	Grab
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		< 1.0	ug/L	< 0.0002	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		< 1.0	ug/L	< 0.0002	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		< 1.0	ug/L	< 0.0002	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.0002	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.0002	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		< 1.0	ug/L	< 0.0002	1	Grab
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		< 5.0	ug/L	< 0.0008	1	Grab
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		< 5.0	ug/L	0.0008	1	Grab
	Discharge Limitation		99	ug/L		Monthly	Grab

ATTACHMENT B
ANALYTICAL LABORATORY REPORT
JUNE 2014 INFLUENT AND EFFLUENT SAMPLES

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: 180-34368-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

7/8/2014 3:02:39 PM

Jill Colussy, Project Manager I

(412)963-2444

jill.colussy@testamericainc.com

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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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Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34368-1

Job ID: 180-34368-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-34368-1

Receipt

The samples were received on 6/27/2014 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA

The following sample was diluted to bring the concentration of target analytes within the calibration range: WG-18036-062614-001 (180-34368-1). Elevated reporting limits (RLs) are provided.

Metals

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

General Chemistry

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



Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34368-1

Qualifiers

GC/MS VOA

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

Metals

Qualifier	Qualifier Description
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.
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: 180-34368-1

Laboratory: TestAmerica Pittsburgh

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-14 *
California	NELAP	9	4224CA	03-31-14 *
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-14 *
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-14
West Virginia DEP	State Program	3	142	01-31-15
Wisconsin	State Program	5	998027800	08-31-14

* Certification renewal pending - certification considered valid.



Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34368-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-34368-1	WG-18036-062614-001	Water	06/26/14 17:30	06/27/14 08:50
180-34368-2	WG-18036-062614-002	Water	06/26/14 17:45	06/27/14 08:50

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Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34368-1

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: 180-34368-1

Client Sample ID: WG-18036-062614-001

Lab Sample ID: 180-34368-1

Date Collected: 06/26/14 17:30

Matrix: Water

Date Received: 06/27/14 08:50

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	110310	07/02/14 22:01	DLF	TAL PIT
		Instrument ID: CHHP5								
Total/NA	Analysis	624	DL	25	5 mL	5 mL	110310	07/03/14 07:37	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	110448	07/03/14 10:11	CNS	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	110572	07/07/14 07:30	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	110240	07/01/14 18:42	ALF	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		50 mL	110003	06/30/14 13:25	AJB	TAL PIT
		Instrument ID: NOEQUIP								

Client Sample ID: WG-18036-062614-002

Lab Sample ID: 180-34368-2

Date Collected: 06/26/14 17:45

Matrix: Water

Date Received: 06/27/14 08:50

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	110310	07/03/14 07:13	DLF	TAL PIT
		Instrument ID: CHHP5								
Total Recoverable	Prep	200.7			50 mL	50 mL	110448	07/03/14 10:11	CNS	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	110572	07/07/14 07:36	RJG	TAL PIT
		Instrument ID: Q								
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	110240	07/01/14 18:42	ALF	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 H+ B		1		50 mL	110003	06/30/14 13:28	AJB	TAL PIT
		Instrument ID: NOEQUIP								

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

CNS = Caitlin Ferguson

Batch Type: Analysis

AJB = Amanda Brunick

ALF = Ato Foulland

DLF = Donald Ferguson

RJG = Rob Good

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34368-1

Client Sample ID: WG-18036-062614-001

Lab Sample ID: 180-34368-1

Date Collected: 06/26/14 17:30

Matrix: Water

Date Received: 06/27/14 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	200	E	1.0	0.24	ug/L			07/02/14 22:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/02/14 22:01	1
Methylene Chloride	1.0	U	1.0	0.15	ug/L			07/02/14 22:01	1
Tetrachloroethene	36		1.0	0.15	ug/L			07/02/14 22:01	1
Toluene	0.19	J	1.0	0.15	ug/L			07/02/14 22:01	1
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			07/02/14 22:01	1
Trichloroethene	310	E	1.0	0.14	ug/L			07/02/14 22:01	1
Vinyl chloride	11		1.0	0.23	ug/L			07/02/14 22:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		62 - 123					07/02/14 22:01	1
Dibromofluoromethane (Surr)	119		64 - 128					07/02/14 22:01	1
1,2-Dichloroethane-d4 (Surr)	113		58 - 135					07/02/14 22:01	1
Toluene-d8 (Surr)	97		71 - 118					07/02/14 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	180		25	5.9	ug/L			07/03/14 07:37	25
1,2-Dichlorobenzene	25	U	25	3.8	ug/L			07/03/14 07:37	25
Methylene Chloride	22	J B	25	3.7	ug/L			07/03/14 07:37	25
Tetrachloroethene	32		25	3.7	ug/L			07/03/14 07:37	25
Toluene	25	U	25	3.8	ug/L			07/03/14 07:37	25
1,1,1-Trichloroethane	25	U	25	7.2	ug/L			07/03/14 07:37	25
Trichloroethene	320		25	3.6	ug/L			07/03/14 07:37	25
Vinyl chloride	9.6	J	25	5.7	ug/L			07/03/14 07:37	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		62 - 123					07/03/14 07:37	25
Dibromofluoromethane (Surr)	121		64 - 128					07/03/14 07:37	25
1,2-Dichloroethane-d4 (Surr)	118		58 - 135					07/03/14 07:37	25
Toluene-d8 (Surr)	97		71 - 118					07/03/14 07:37	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		07/03/14 10:11	07/07/14 07:30	1
Chromium	5.0	U	5.0	0.77	ug/L		07/03/14 10:11	07/07/14 07:30	1
Lead	10	U	10	1.2	ug/L		07/03/14 10:11	07/07/14 07:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	30		2.0	2.0	mg/L			07/01/14 18:42	1
pH	8.43	HF	0.100	0.100	SU			06/30/14 13:25	1

Client Sample ID: WG-18036-062614-002

Lab Sample ID: 180-34368-2

Date Collected: 06/26/14 17:45

Matrix: Water

Date Received: 06/27/14 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/03/14 07:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/03/14 07:13	1

TestAmerica Pittsburgh

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34368-1

Client Sample ID: WG-18036-062614-002

Lab Sample ID: 180-34368-2

Date Collected: 06/26/14 17:45

Matrix: Water

Date Received: 06/27/14 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			07/03/14 07:13	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/03/14 07:13	1
Toluene	1.0	U	1.0	0.15	ug/L			07/03/14 07:13	1
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			07/03/14 07:13	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			07/03/14 07:13	1
Vinyl chloride	1.2		1.0	0.23	ug/L			07/03/14 07:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		62 - 123		07/03/14 07:13	1
Dibromofluoromethane (Surr)	121		64 - 128		07/03/14 07:13	1
1,2-Dichloroethane-d4 (Surr)	118		58 - 135		07/03/14 07:13	1
Toluene-d8 (Surr)	97		71 - 118		07/03/14 07:13	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		07/03/14 10:11	07/07/14 07:36	1
Chromium	5.0	U	5.0	0.77	ug/L		07/03/14 10:11	07/07/14 07:36	1
Lead	10	U	10	1.2	ug/L		07/03/14 10:11	07/07/14 07:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.0	U	2.0	2.0	mg/L			07/01/14 18:42	1
pH	7.71	HF	0.100	0.100	SU			06/30/14 13:28	1

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34368-1

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

Lab Sample ID: MB 180-110310/4

Matrix: Water

Analysis Batch: 110310

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/02/14 12:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/02/14 12:00	1
Methylene Chloride	0.313	J	1.0	0.15	ug/L			07/02/14 12:00	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/02/14 12:00	1
Toluene	1.0	U	1.0	0.15	ug/L			07/02/14 12:00	1
1,1,1-Trichloroethane	1.0	U	1.0	0.29	ug/L			07/02/14 12:00	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			07/02/14 12:00	1
Vinyl chloride	1.0	U	1.0	0.23	ug/L			07/02/14 12:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		62 - 123		07/02/14 12:00	1
Dibromofluoromethane (Surr)	115		64 - 128		07/02/14 12:00	1
1,2-Dichloroethane-d4 (Surr)	114		58 - 135		07/02/14 12:00	1
Toluene-d8 (Surr)	98		71 - 118		07/02/14 12:00	1

Lab Sample ID: LCS 180-110310/1002

Matrix: Water

Analysis Batch: 110310

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	20.0	17.5		ug/L		87	69 - 127
1,2-Dichlorobenzene	20.0	18.3		ug/L		91	68 - 127
Methylene Chloride	20.0	16.4		ug/L		82	60 - 140
Tetrachloroethene	20.0	19.2		ug/L		96	73 - 127
Toluene	20.0	19.7		ug/L		99	74 - 126
1,1,1-Trichloroethane	20.0	21.0		ug/L		105	75 - 125
Trichloroethene	20.0	18.0		ug/L		90	73 - 125
Vinyl chloride	20.0	18.7		ug/L		94	30 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		62 - 123
Dibromofluoromethane (Surr)	94		64 - 128
1,2-Dichloroethane-d4 (Surr)	92		58 - 135
Toluene-d8 (Surr)	99		71 - 118

Lab Sample ID: 180-34406-E-1 MSD

Matrix: Water

Analysis Batch: 110310

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
cis-1,2-Dichloroethene	1.0	U	20.0	17.1		ug/L		85	69 - 127	2	20
1,2-Dichlorobenzene	1.0	U	20.0	18.0		ug/L		90	68 - 127	4	35
Methylene Chloride	0.18	J B	20.0	14.8		ug/L		73	60 - 140	1	25
Tetrachloroethene	1.0	U	20.0	18.8		ug/L		94	73 - 127	2	25
Toluene	1.0	U	20.0	18.5		ug/L		93	74 - 126	2	25
1,1,1-Trichloroethane	1.0	U	20.0	20.5		ug/L		102	75 - 125	2	25
Trichloroethene	1.0	U	20.0	17.3		ug/L		87	73 - 125	3	25

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34368-1

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

Lab Sample ID: 180-34406-E-1 MSD

Matrix: Water

Analysis Batch: 110310

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
Vinyl chloride	1.0	U	20.0	18.4		ug/L		92	30 - 140	4	35
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	94		62 - 123								
Dibromofluoromethane (Surr)	92		64 - 128								
1,2-Dichloroethane-d4 (Surr)	90		58 - 135								
Toluene-d8 (Surr)	98		71 - 118								

Lab Sample ID: 180-34406-F-1 MS

Matrix: Water

Analysis Batch: 110310

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
cis-1,2-Dichloroethene	1.0	U	20.0	16.7		ug/L		84	69 - 127
1,2-Dichlorobenzene	1.0	U	20.0	17.2		ug/L		86	68 - 127
Methylene Chloride	0.18	J B	20.0	14.6		ug/L		72	60 - 140
Tetrachloroethene	1.0	U	20.0	18.5		ug/L		93	73 - 127
Toluene	1.0	U	20.0	18.2		ug/L		91	74 - 126
1,1,1-Trichloroethane	1.0	U	20.0	20.2		ug/L		101	75 - 125
Trichloroethene	1.0	U	20.0	16.9		ug/L		84	73 - 125
Vinyl chloride	1.0	U	20.0	17.7		ug/L		89	30 - 140
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	94		62 - 123						
Dibromofluoromethane (Surr)	94		64 - 128						
1,2-Dichloroethane-d4 (Surr)	93		58 - 135						
Toluene-d8 (Surr)	100		71 - 118						

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-110448/1-A

Matrix: Water

Analysis Batch: 110572

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 110448

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.13	ug/L		07/03/14 10:11	07/07/14 06:32	1
Chromium	5.0	U	5.0	0.77	ug/L		07/03/14 10:11	07/07/14 06:32	1
Lead	10	U	10	1.2	ug/L		07/03/14 10:11	07/07/14 06:32	1

Lab Sample ID: LCS 180-110448/2-A

Matrix: Water

Analysis Batch: 110572

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 110448

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	49.1		ug/L		98	85 - 115
Chromium	200	195		ug/L		98	85 - 115
Lead	500	506		ug/L		101	85 - 115

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34368-1

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

Lab Sample ID: 480-62954-E-1-B MS
Matrix: Water
Analysis Batch: 110572

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 110448

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
Cadmium	5.0	U	50.0	49.0		ug/L		98		70 - 130
Chromium	5.0	U	200	197		ug/L		99		70 - 130
Lead	1.4	J	500	513		ug/L		102		70 - 130

Lab Sample ID: 480-62954-E-1-C MSD
Matrix: Water
Analysis Batch: 110572

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 110448

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						Limit	
Cadmium	5.0	U	50.0	49.6		ug/L		99		70 - 130	1	20
Chromium	5.0	U	200	198		ug/L		99		70 - 130	1	20
Lead	1.4	J	500	522		ug/L		104		70 - 130	2	20

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

Lab Sample ID: MB 180-110240/2
Matrix: Water
Analysis Batch: 110240

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	2.0	U	2.0	2.0	mg/L			07/01/14 18:42	1

Lab Sample ID: LCS 180-110240/1
Matrix: Water
Analysis Batch: 110240

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
Total Suspended Solids	53.6	44.0		mg/L		82		80 - 120

Lab Sample ID: 180-34315-A-1 DU
Matrix: Water
Analysis Batch: 110240

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD	Limit
	Result	Qualifier	Result	Qualifier					
Total Suspended Solids	4.8		5.20		mg/L			8	20

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-110003/1
Matrix: Water
Analysis Batch: 110003

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
pH	7.00	7.030		SU		100		99 - 101

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34368-1

Method: SM 4500 H+ B - pH (Continued)

Lab Sample ID: 180-34348-A-1 DU
Matrix: Water
Analysis Batch: 110003

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.12		7.160		SU	--	0.6	2

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

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-34368-1

GC/MS VOA

Analysis Batch: 110310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34368-1	WG-18036-062614-001	Total/NA	Water	624	
180-34368-1 - DL	WG-18036-062614-001	Total/NA	Water	624	
180-34368-2	WG-18036-062614-002	Total/NA	Water	624	
180-34406-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
180-34406-F-1 MS	Matrix Spike	Total/NA	Water	624	
LCS 180-110310/1002	Lab Control Sample	Total/NA	Water	624	
MB 180-110310/4	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 110448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34368-1	WG-18036-062614-001	Total Recoverable	Water	200.7	
180-34368-2	WG-18036-062614-002	Total Recoverable	Water	200.7	
480-62954-E-1-B MS	Matrix Spike	Total Recoverable	Water	200.7	
480-62954-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7	
LCS 180-110448/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-110448/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 110572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34368-1	WG-18036-062614-001	Total Recoverable	Water	200.7 Rev 4.4	110448
180-34368-2	WG-18036-062614-002	Total Recoverable	Water	200.7 Rev 4.4	110448
480-62954-E-1-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	110448
480-62954-E-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	110448
LCS 180-110448/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	110448
MB 180-110448/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	110448

General Chemistry

Analysis Batch: 110003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34348-A-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	
180-34368-1	WG-18036-062614-001	Total/NA	Water	SM 4500 H+ B	
180-34368-2	WG-18036-062614-002	Total/NA	Water	SM 4500 H+ B	
LCS 180-110003/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 110240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-34315-A-1 DU	Duplicate	Total/NA	Water	SM 2540D	
180-34368-1	WG-18036-062614-001	Total/NA	Water	SM 2540D	
180-34368-2	WG-18036-062614-002	Total/NA	Water	SM 2540D	
LCS 180-110240/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-110240/2	Method Blank	Total/NA	Water	SM 2540D	

TestAmerica Pittsburgh

Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-34368-1

Login Number: 34368

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Watson, Debbie

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

