



**CBS Corporation**

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

*Via Electronic and First-Class Mail*

December 5, 2011

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

**Re: Monthly Operation and Maintenance Report  
NYSDEC Site 9-15-066, Cheektowaga, New York**

Dear Mr. Locey:

On behalf of the Respondents to the Order on Consent and Settlement Agreement, Index No. B9-0381-91-8 (the "Order"), CBS Corporation (CBS) submits this monthly status report for operation and maintenance (O&M) activities at New York State Department of Environmental Conservation (NYSDEC) Site No. 9-15-066 in Cheektowaga, New York (the "Site"). Under an Agreement among the Respondents, CBS is managing the Remedial Program pursuant to the Order. This report addresses activities conducted in November 2011 and transmits the discharge monitoring report for this period.

**1. Site Activities and Status**

- A. On November 2, 2011, CBS submitted to NYSDEC a monthly report on the status of O&M activities at the Site for October 2011. That status report also transmitted the discharge monitoring data for October 2011.
- B. On behalf of CBS, Conestoga-Rovers & Associates (CRA) conducted routine and non-routine O&M, and TestAmerica Laboratories, Inc. provided required analytical laboratory services.
- C. The recovery and treatment system operated throughout November 2011.
- D. On November 8, 2011, on behalf of CBS, CRA submitted electronic data deliverables to NYSDEC for the following:

- September 2011 influent and effluent sampling;
- September 2011 groundwater quarterly sampling (MW-32); and
- October 2011 effluent sampling.

E. On November 29, 2011, on behalf of CBS, CRA submitted electronic data deliverables to NYSDEC for the November 2011 effluent sampling.

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

A. In November 2011, the groundwater system recovered and treated an estimated 153,000 gallons.

B. Attachment A provides the discharge monitoring report for November 2011 based on the effluent sample collected on November 16, 2011. Attachment B provides the analytical laboratory report for this effluent sample.

C. In reviewing the treatment system effluent monitoring information, please note the following:

- Flow data are provided via periodic on-site readings. The maximum daily flow was calculated from these data.
- The pH data are provided via periodic on-site readings and laboratory analysis of the monthly effluent sample. Effluent pH data are reported only for measurements taken while the treatment pump is operating and the system is actively discharging.
- The reported daily maximum values (pounds per day) are calculated using the maximum observed 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 November 2011 reporting period, the effluent complied with all discharge limitations.

## **3. Upcoming Activities**

A. CBS will continue required O&M activities.

B. CBS is planning to install temporary plugs at manholes MH-002-09 and MH-002-10 to allow an evaluation of the impacts of the partial system closure before proceeding with the Phase 1 closure of the 002 system. Following this temporary closure, CRA will conduct additional water level measurements,

surface water monitoring, and groundwater monitoring as described in the *Revised Work Plan* (Rev. 1, November 7, 2008),

#### 4. Operational Problems

- A. Previously reported operational problems associated with elevated pH, pH control, and hardness continue. These operational problems are expected to be largely resolved with the phased shutdown of the collection system and limitation of inflows to those associated with Sump 003.
- B. Previously reported operational problems associated system inflows have been lessened with the minimal flows associated with Sump 001 now that the 001 portion of the groundwater collection system has been partially closed.
- C. The post-closure monitoring data indicate that the Phase 1 closure of the 001 groundwater collection system addressed the previously observed high water levels at Sump 001, which had led to periodic overtopping of that manhole. The ongoing periodic overtopping at Sump 002 will be addressed through the partial closure of that portion of the groundwater collection system.
- D. The Phase 1 closure of the 002 system is expected to reduce the conveyance of groundwater containing volatile organic compounds via underdrains and storm sewers installed by the Niagara Frontier Transportation Authority as part of airport development.
- E. Other operational issues are being addressed in the course of O&M activities.

\* \* \* \*

Please contact me if you have questions regarding this status report.

Very truly yours,



Leo M. Brausch  
Consultant/Project Engineer

LMB:  
Attachments

cc: K. P. Lynch, CRA  
K. Minkel, NFTA

**ATTACHMENT A**  
**DISCHARGE MONITORING REPORT**  
**NOVEMBER 2011**

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

Reporting Month & Year **Nov-11**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		5,351	gpd		Continuous	Meter
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	6.94	7.49	s.u.		8	Grab
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		< 4.0	mg/L	< 0.18	1	Grab
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		< 1.0	ug/L	< 0.00004	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		< 0.15	ug/L	< 0.000007	1	Grab
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		2.5	ug/L	0.00011	1	Grab
	Discharge Limitation		99	ug/L		Monthly	Grab

**ATTACHMENT B**  
**ANALYTICAL LABORATORY REPORT**  
**NOVEMBER 2011 EFFLUENT SAMPLING**

# 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: 180-6015-1

Client Project/Site: Buffalo Airport

Sampling Event: Effluent

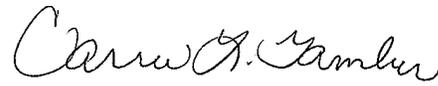
For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

11/29/2011 8:11:22 AM

Carrie Gamber

Project Manager II

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

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

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

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

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

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# Case Narrative

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6015-1

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**Job ID: 180-6015-1**

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**Laboratory: TestAmerica Pittsburgh**

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**Narrative**

**Job Narrative**  
**180-6015-1**

**Comments**

No additional comments.

**Receipt**

All samples were received in good condition within temperature requirements.

**GC/MS VOA**

No analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**General Chemistry**

No analytical or quality issues were noted.



# Definitions/Glossary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6015-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

### Metals

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

### General Chemistry

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

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

## Certification Summary

Client: Leo Brausch Consulting  
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6015-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pittsburgh	ACLASS	DoD ELAP		ADE-1422
TestAmerica Pittsburgh	Arkansas	State Program	6	88-0690
TestAmerica Pittsburgh	California	NELAC	9	4224CA
TestAmerica Pittsburgh	Connecticut	State Program	1	PH-0688
TestAmerica Pittsburgh	Florida	NELAC	4	E871008
TestAmerica Pittsburgh	Illinois	NELAC	5	002602
TestAmerica Pittsburgh	Kansas	NELAC	7	E-10350
TestAmerica Pittsburgh	Louisiana	NELAC	6	04041
TestAmerica Pittsburgh	New Hampshire	NELAC	1	203011
TestAmerica Pittsburgh	New Jersey	NELAC	2	PA005
TestAmerica Pittsburgh	New York	NELAC	2	11182
TestAmerica Pittsburgh	North Carolina	North Carolina DENR	4	434
TestAmerica Pittsburgh	Pennsylvania	NELAC	3	02-00416
TestAmerica Pittsburgh	Pennsylvania	State Program	3	02-416
TestAmerica Pittsburgh	South Carolina	State Program	4	89014002
TestAmerica Pittsburgh	USDA	USDA		P330-10-00139
TestAmerica Pittsburgh	USDA	USDA		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAC	8	STLP
TestAmerica Pittsburgh	Virginia	NELAC	3	460189
TestAmerica Pittsburgh	West Virginia	West Virginia DEP	3	142
TestAmerica Pittsburgh	Wisconsin	State Program	5	998027800

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

# Sample Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6015-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-6015-1	EFF1111	Water	11/16/11 08:00	11/17/11 10:30

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# Method Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6015-1

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

**Protocol References:**

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

EPA = US Environmental Protection Agency

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

**Laboratory References:**

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



# Client Sample Results

Client: Leo Brausch Consulting  
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6015-1

**Client Sample ID: EFF1111**

**Lab Sample ID: 180-6015-1**

**Date Collected: 11/16/11 08:00**

**Matrix: Water**

**Date Received: 11/17/11 10:30**

**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			11/22/11 21:57	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			11/22/11 21:57	1
Toluene	1.0	U	1.0	0.15	ug/L			11/22/11 21:57	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			11/22/11 21:57	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 21:57	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/11 21:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		58 - 135		11/22/11 21:57	1
4-Bromofluorobenzene (Surr)	79		62 - 123		11/22/11 21:57	1
Toluene-d8 (Surr)	95		71 - 118		11/22/11 21:57	1
Dibromofluoromethane (Surr)	104		64 - 128		11/22/11 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.15	ug/L		11/21/11 12:27	11/22/11 21:06	1
<b>Chromium</b>	<b>2.5</b>	<b>J</b>	5.0	0.51	ug/L		11/21/11 12:27	11/22/11 21:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	2.0	mg/L			11/17/11 15:52	1
<b>pH</b>	<b>7.49</b>	<b>HF</b>	0.100	0.100	SU			11/18/11 10:49	1

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6015-1

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

**Lab Sample ID: MB 180-21620/3**

**Matrix: Water**

**Analysis Batch: 21620**

**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			11/22/11 20:32	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			11/22/11 20:32	1
Toluene	1.0	U	1.0	0.15	ug/L			11/22/11 20:32	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			11/22/11 20:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			11/22/11 20:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			11/22/11 20:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		58 - 135		11/22/11 20:32	1
4-Bromofluorobenzene (Surr)	77		62 - 123		11/22/11 20:32	1
Toluene-d8 (Surr)	91		71 - 118		11/22/11 20:32	1
Dibromofluoromethane (Surr)	93		64 - 128		11/22/11 20:32	1

**Lab Sample ID: LCS 180-21620/7**

**Matrix: Water**

**Analysis Batch: 21620**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	20.0	14.5		ug/L		73	60 - 140
Tetrachloroethene	20.0	16.0		ug/L		80	73 - 127
Toluene	20.0	16.9		ug/L		85	74 - 126
Trichloroethene	20.0	17.6		ug/L		88	73 - 125
1,2-Dichlorobenzene	20.0	18.2		ug/L		91	68 - 127
cis-1,2-Dichloroethene	20.0	17.3		ug/L		87	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		58 - 135
4-Bromofluorobenzene (Surr)	84		62 - 123
Toluene-d8 (Surr)	94		71 - 118
Dibromofluoromethane (Surr)	93		64 - 128

**Lab Sample ID: 180-6015-1 MS**

**Matrix: Water**

**Analysis Batch: 21620**

**Client Sample ID: EFF1111**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	1.0	U	20.0	15.0		ug/L		75	60 - 140
Tetrachloroethene	1.0	U	20.0	17.2		ug/L		86	73 - 127
Toluene	1.0	U	20.0	18.3		ug/L		91	74 - 126
Trichloroethene	1.0	U	20.0	18.0		ug/L		90	73 - 125
1,2-Dichlorobenzene	1.0	U	20.0	19.1		ug/L		95	68 - 127
cis-1,2-Dichloroethene	1.0	U	20.0	19.1		ug/L		95	69 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		58 - 135
4-Bromofluorobenzene (Surr)	84		62 - 123
Toluene-d8 (Surr)	92		71 - 118
Dibromofluoromethane (Surr)	94		64 - 128

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6015-1

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

**Lab Sample ID: 180-6015-1 MSD**

**Matrix: Water**

**Analysis Batch: 21620**

**Client Sample ID: EFF1111**

**Prep Type: Total/NA**

Analyte	Sample		Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Methylene Chloride	1.0	U	20.0	16.0		ug/L		80	60 - 140	6	25
Tetrachloroethene	1.0	U	20.0	16.5		ug/L		83	73 - 127	4	25
Toluene	1.0	U	20.0	19.7		ug/L		99	74 - 126	8	25
Trichloroethene	1.0	U	20.0	18.9		ug/L		95	73 - 125	5	25
1,2-Dichlorobenzene	1.0	U	20.0	19.1		ug/L		96	68 - 127	0	35
cis-1,2-Dichloroethene	1.0	U	20.0	18.1		ug/L		91	69 - 127	5	20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	82		58 - 135
4-Bromofluorobenzene (Surr)	82		62 - 123
Toluene-d8 (Surr)	99		71 - 118
Dibromofluoromethane (Surr)	90		64 - 128

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

**Lab Sample ID: MB 180-21460/1-A**

**Matrix: Water**

**Analysis Batch: 21647**

**Client Sample ID: Method Blank**

**Prep Type: Total Recoverable**

**Prep Batch: 21460**

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.15	ug/L		11/21/11 12:27	11/22/11 19:54	1
Chromium	5.0	U	5.0	0.51	ug/L		11/21/11 12:27	11/22/11 19:54	1

**Lab Sample ID: LCS 180-21460/2-A**

**Matrix: Water**

**Analysis Batch: 21647**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total Recoverable**

**Prep Batch: 21460**

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	RPD
Cadmium	50.0	50.0		ug/L		100	85 - 115	
Chromium	200	205		ug/L		102	85 - 115	

**Lab Sample ID: 180-6015-1 MS**

**Matrix: Water**

**Analysis Batch: 21647**

**Client Sample ID: EFF1111**

**Prep Type: Total Recoverable**

**Prep Batch: 21460**

Analyte	Sample		Spike Added	MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	RPD
Cadmium	5.0	U	50.0	50.4		ug/L		101	70 - 130	
Chromium	2.5	J	200	209		ug/L		103	70 - 130	

**Lab Sample ID: 180-6015-1 MSD**

**Matrix: Water**

**Analysis Batch: 21647**

**Client Sample ID: EFF1111**

**Prep Type: Total Recoverable**

**Prep Batch: 21460**

Analyte	Sample		Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD
	Result	Qualifier		Result	Qualifier				Limits	RPD	
Cadmium	5.0	U	50.0	48.7		ug/L		97	70 - 130	3	20
Chromium	2.5	J	200	202		ug/L		100	70 - 130	4	20

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6015-1

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

Lab Sample ID: MB 180-21125/2  
Matrix: Water  
Analysis Batch: 21125

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	2.0	mg/L			11/17/11 15:52	1

Lab Sample ID: LCS 180-21125/1  
Matrix: Water  
Analysis Batch: 21125

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	32.5	26.0		mg/L		80	80 - 120

Lab Sample ID: 180-6003-B-6 DU  
Matrix: Water  
Analysis Batch: 21125

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	4.0	U	4.0	U	mg/L		NC	20

## Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-21211/1  
Matrix: Water  
Analysis Batch: 21211

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	7.000		SU		100	99 - 101

Lab Sample ID: 180-6017-A-1 DU  
Matrix: Water  
Analysis Batch: 21211

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.99		8.000		SU		0.1	2

# QC Association Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-6015-1

## GC/MS VOA

### Analysis Batch: 21620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6015-1	EFF1111	Total/NA	Water	624	
180-6015-1 MS	EFF1111	Total/NA	Water	624	
180-6015-1 MSD	EFF1111	Total/NA	Water	624	
LCS 180-21620/7	Lab Control Sample	Total/NA	Water	624	
MB 180-21620/3	Method Blank	Total/NA	Water	624	

## Metals

### Prep Batch: 21460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6015-1	EFF1111	Total Recoverable	Water	200.7	
180-6015-1 MS	EFF1111	Total Recoverable	Water	200.7	
180-6015-1 MSD	EFF1111	Total Recoverable	Water	200.7	
LCS 180-21460/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-21460/1-A	Method Blank	Total Recoverable	Water	200.7	

### Analysis Batch: 21647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6015-1	EFF1111	Total Recoverable	Water	200.7 Rev 4.4	21460
180-6015-1 MS	EFF1111	Total Recoverable	Water	200.7 Rev 4.4	21460
180-6015-1 MSD	EFF1111	Total Recoverable	Water	200.7 Rev 4.4	21460
LCS 180-21460/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	21460
MB 180-21460/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	21460

## General Chemistry

### Analysis Batch: 21125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6003-B-6 DU	Duplicate	Total/NA	Water	SM 2540D	
180-6015-1	EFF1111	Total/NA	Water	SM 2540D	
LCS 180-21125/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-21125/2	Method Blank	Total/NA	Water	SM 2540D	

### Analysis Batch: 21211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-6015-1	EFF1111	Total/NA	Water	SM 4500 H+ B	
180-6017-A-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	
LCS 180-21211/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

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

0015

0.5 #3

**CHAIN OF CUSTODY RECORD**



**CONESTOGA-ROVERS & ASSOCIATES**  
2055 Augusta Falls Blvd  
Augusta Falls, NC 28904

SHIPPED TO (Laboratory Name):

Test America  
P.O. Box

REFERENCE NUMBER:

018036  
Buffalo Airport  
Via Car

SAMPLER'S SIGNATURE: *[Signature]* PRINTED NAME: *Clad Bell*

SEQ. No. DATE TIME SAMPLE No.

11/6/11 8:00 EFFC1111

water

SAMPLE TYPE

No. of Containers

5 3 1 1

PARAMETERS  
25400  
25400  
25400

REMARKS

TOTAL NUMBER OF CONTAINERS

HEALTH/CHEMICAL HAZARDS

RELINQUISHED BY: *[Signature]* DATE: 11-16-11 TIME: 8:40  
RELINQUISHED BY: DATE: TIME:  
RELINQUISHED BY: DATE: TIME:

RECEIVED BY: *[Signature]* DATE: 11-17-11 TIME: 10:30  
RECEIVED BY: DATE: TIME:  
RECEIVED BY: DATE: TIME:

METHOD OF SHIPMENT:

WAY BILL No.

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

SAMPLE TEAM: *[Signature]*

RECEIVED FOR LABORATORY BY:

DATE: TIME:

No. ORA 25337

Temperature readings: \_\_\_\_\_

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> pH	<u>Preservative</u> Added (mls)	<u>Lot #</u>
EFF1111	180-6015-A-1	Plastic 500ml - with Nitric Acid	2	_____	_____
EFF1111	180-6015-B-1	Plastic 500ml - unpreserved	_____	_____	_____
EFF1111	180-6015-C-1	Voa Vial 40ml - Hydrochloric Acid	P	_____	_____
EFF1111	180-6015-D-1	Voa Vial 40ml - Hydrochloric Acid	↓	_____	_____
EFF1111	180-6015-E-1	Voa Vial 40ml - Hydrochloric Acid	↓	_____	_____



## Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-6015-1

**Login Number: 6015**

**List Source: TestAmerica Pittsburgh**

**List Number: 1**

**Creator: Stoudnour, Erin F**

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

