



**CBS Corporation**

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

*Via Electronic and First-Class Mail*

June 8, 2012

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 May 2012 and transmits the discharge monitoring report for this period.

**1. Site Activities and Status**

- A. The recovery and treatment system operated throughout May 2012.
- 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. On May 8, 2012, CBS submitted to NYSDEC a monthly report on the status of O&M activities at the Site for April 2012. That status report also transmitted the discharge monitoring data for April 2012.
- D. On May 30, 2012, on behalf of CBS, CRA submitted electronic data deliverables to NYSDEC for the Site sampling conducted in April 2012.

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

- A. In May 2012, the groundwater system recovered and treated an estimated 94,000 gallons.
- B. Attachment A provides the discharge monitoring report for May 2012 based on the effluent sample collected on May 16, 2012. 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. 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 May 2012 reporting period, the effluent complied with all discharge limitations.

## **3. Upcoming Activities**

- A. CBS plans to provide its evaluation to NYSDEC regarding the overall status of Site remediation and the utility of continuing to collect and treat Site waters. CBS also plans to provide NYSDEC with its work plan and schedule for shutdown and closure of the recovery and treatment system. In the meantime, CBS will continue Site O&M activities.

## **4. Operational Problems**

- A. Operational problems will be addressed, to the extent applicable, in CBS' evaluation of the overall status of Site remediation and the utility of continuing to collect and treat Site waters.
- B. CBS' work plan for shutdown and closure of the recovery and treatment system will include a review of potential operational problems related to the shutdown and closure.

David P. Locey, P.E.

June 8, 2012

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\* \* \* \*

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  
C. D'Aloise, NFTA

**ATTACHMENT A**  
**DISCHARGE MONITORING REPORT**  
**MAY 2012**

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

Reporting Month & Year **May-12**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		<b>3,382</b>	<b>gpd</b>		<b>Continuous</b>	<b>Meter</b>
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	<b>7.05</b>	<b>7.52</b>	<b>s.u.</b>		<b>7</b>	<b>Grab</b>
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		<b>&lt; 4.0</b>	<b>mg/L</b>	<b>&lt; 0.11</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		<b>&lt; 1.0</b>	<b>ug/L</b>	<b>&lt; 0.00003</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		<b>3.6</b>	<b>ug/L</b>	<b>0.00010</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		99	ug/L		Monthly	Grab

**ATTACHMENT B**  
**ANALYTICAL LABORATORY REPORT**  
**MAY 2012 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: 180-10862-1

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:

5/31/2012 10:34:40 AM

Debra Bowen

Project Mgmt. Assistant

[debra.bowen@testamericainc.com](mailto:debra.bowen@testamericainc.com)

Designee for

Jill Colussy

Project Manager I

[jill.colussy@testamericainc.com](mailto:jill.colussy@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.*

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

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

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# Case Narrative

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-10862-1

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**Job ID: 180-10862-1**

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**Laboratory: TestAmerica Pittsburgh**

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**Narrative**

**Job Narrative**  
**180-10862-1**

**Receipt**

The sample was received on 5/17/2012@ 9:45 AM; the sample arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.3° C.

**GC/MS VOA**

No analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**General Chemistry**

Method 4500H+ B: pH is a field parameter and was analyzed outside of holding time at the request of the client.



# Definitions/Glossary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-10862-1

## Qualifiers

### GC/MS VOA

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

### Metals

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

### General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes
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
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
QC	Quality Control
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: 180-10862-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Pittsburgh	Arkansas DEQ	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	L-A-B	DoD ELAP		L2314
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 DENR	State Program	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	Federal		P330-10-00139
TestAmerica Pittsburgh	USDA	Federal		P-Soil-01
TestAmerica Pittsburgh	Utah	NELAC	8	STLP
TestAmerica Pittsburgh	Virginia	NELAC	3	460189
TestAmerica Pittsburgh	West Virginia DEP	State Program	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: 180-10862-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-10862-1	EFFLUENT	Water	05/16/12 08:40	05/17/12 09:45

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# Method Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-10862-1

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: 180-10862-1

**Client Sample ID: EFFLUENT**

**Lab Sample ID: 180-10862-1**

**Date Collected: 05/16/12 08:40**

**Matrix: Water**

**Date Received: 05/17/12 09:45**

**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			05/17/12 21:39	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/17/12 21:39	1
Toluene	1.0	U	1.0	0.15	ug/L			05/17/12 21:39	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			05/17/12 21:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			05/17/12 21:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			05/17/12 21:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		58 - 135		05/17/12 21:39	1
4-Bromofluorobenzene (Surr)	95		62 - 123		05/17/12 21:39	1
Toluene-d8 (Surr)	92		71 - 118		05/17/12 21:39	1
Dibromofluoromethane (Surr)	100		64 - 128		05/17/12 21:39	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		05/21/12 09:18	05/22/12 17:30	1
<b>Chromium</b>	<b>3.6</b>	<b>J</b>	5.0	0.51	ug/L		05/21/12 09:18	05/22/12 17:30	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			05/18/12 13:17	1
<b>pH</b>	<b>7.52</b>	<b>HF</b>	0.100	0.100	SU			05/18/12 13:10	1

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-10862-1

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

**Lab Sample ID: MB 180-36419/4**

**Matrix: Water**

**Analysis Batch: 36419**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.280	J	1.0	0.15	ug/L			05/17/12 20:29	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			05/17/12 20:29	1
Toluene	1.0	U	1.0	0.15	ug/L			05/17/12 20:29	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			05/17/12 20:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			05/17/12 20:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			05/17/12 20:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		58 - 135		05/17/12 20:29	1
4-Bromofluorobenzene (Surr)	96		62 - 123		05/17/12 20:29	1
Toluene-d8 (Surr)	90		71 - 118		05/17/12 20:29	1
Dibromofluoromethane (Surr)	99		64 - 128		05/17/12 20:29	1

**Lab Sample ID: LCS 180-36419/3**

**Matrix: Water**

**Analysis Batch: 36419**

**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	18.8		ug/L		94	60 - 140
Tetrachloroethene	20.0	20.4		ug/L		102	73 - 127
Toluene	20.0	20.3		ug/L		102	74 - 126
Trichloroethene	20.0	20.4		ug/L		102	73 - 125
1,2-Dichlorobenzene	20.0	19.1		ug/L		96	68 - 127
cis-1,2-Dichloroethene	20.0	20.5		ug/L		102	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		58 - 135
4-Bromofluorobenzene (Surr)	102		62 - 123
Toluene-d8 (Surr)	101		71 - 118
Dibromofluoromethane (Surr)	98		64 - 128

**Lab Sample ID: 180-10777-C-3 MS**

**Matrix: Water**

**Analysis Batch: 36419**

**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	9.9	J B	1000	858		ug/L		85	60 - 140
Tetrachloroethene	50	U	1000	898		ug/L		90	73 - 127
Toluene	50	U	1000	906		ug/L		91	74 - 126
Trichloroethene	50	U	1000	934		ug/L		93	73 - 125
1,2-Dichlorobenzene	50	U	1000	893		ug/L		89	68 - 127
cis-1,2-Dichloroethene	50	U	1000	942		ug/L		94	69 - 127

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		58 - 135
4-Bromofluorobenzene (Surr)	93		62 - 123
Toluene-d8 (Surr)	94		71 - 118
Dibromofluoromethane (Surr)	98		64 - 128

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-10862-1

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

Lab Sample ID: 180-10777-C-3 MSD

Matrix: Water

Analysis Batch: 36419

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		Result	Qualifier							
Methylene Chloride	9.9	J B	1000	907		ug/L		90	60 - 140	6		25
Tetrachloroethene	50	U	1000	886		ug/L		89	73 - 127	1		25
Toluene	50	U	1000	909		ug/L		91	74 - 126	0		25
Trichloroethene	50	U	1000	942		ug/L		94	73 - 125	1		25
1,2-Dichlorobenzene	50	U	1000	931		ug/L		93	68 - 127	4		35
cis-1,2-Dichloroethene	50	U	1000	959		ug/L		96	69 - 127	2		20
<b>MSD MSD</b>												
<b>Surrogate</b>	<b>%Recovery</b>		<b>Qualifier</b>	<b>Limits</b>								
1,2-Dichloroethane-d4 (Surr)	99			58 - 135								
4-Bromofluorobenzene (Surr)	94			62 - 123								
Toluene-d8 (Surr)	97			71 - 118								
Dibromofluoromethane (Surr)	102			64 - 128								

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

Lab Sample ID: MB 180-36602/1-A

Matrix: Water

Analysis Batch: 36875

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 36602

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Cadmium	5.0	U	5.0	0.15	ug/L		05/21/12 09:18	05/22/12 17:20		1
Chromium	5.0	U	5.0	0.51	ug/L		05/21/12 09:18	05/22/12 17:20		1

Lab Sample ID: LCS 180-36602/2-A

Matrix: Water

Analysis Batch: 36875

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 36602

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
Cadmium	50.0	48.6		ug/L		97	85 - 115	
Chromium	200	190		ug/L		95	85 - 115	

Lab Sample ID: 180-10862-1 MS

Matrix: Water

Analysis Batch: 36875

Client Sample ID: EFFLUENT

Prep Type: Total Recoverable

Prep Batch: 36602

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Cadmium	5.0	U	50.0	47.5		ug/L		95	70 - 130	
Chromium	3.6	J	200	193		ug/L		95	70 - 130	

Lab Sample ID: 180-10862-1 MSD

Matrix: Water

Analysis Batch: 36875

Client Sample ID: EFFLUENT

Prep Type: Total Recoverable

Prep Batch: 36602

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Cadmium	5.0	U	50.0	47.3		ug/L		95	70 - 130	0		20
Chromium	3.6	J	200	192		ug/L		94	70 - 130	1		20



# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-10862-1

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

**Lab Sample ID: MB 180-36497/2**  
**Matrix: Water**  
**Analysis Batch: 36497**

**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			05/18/12 11:37	1

**Lab Sample ID: LCS 180-36497/1**  
**Matrix: Water**  
**Analysis Batch: 36497**

**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	93.6	76.0		mg/L		81	80 - 120

**Lab Sample ID: 180-10685-B-8 DU**  
**Matrix: Water**  
**Analysis Batch: 36497**

**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	37		32.4		mg/L		13	20

## Method: SM 4500 H+ B - pH

**Lab Sample ID: LCS 180-36481/1**  
**Matrix: Water**  
**Analysis Batch: 36481**

**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: 180-10781-A-2 DU**  
**Matrix: Water**  
**Analysis Batch: 36481**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.02		8.030		SU		0.1	2

# QC Association Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-10862-1

## GC/MS VOA

### Analysis Batch: 36419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-10777-C-3 MS	Matrix Spike	Total/NA	Water	624	
180-10777-C-3 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
180-10862-1	EFFLUENT	Total/NA	Water	624	
LCS 180-36419/3	Lab Control Sample	Total/NA	Water	624	
MB 180-36419/4	Method Blank	Total/NA	Water	624	

## Metals

### Prep Batch: 36602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-10862-1	EFFLUENT	Total Recoverable	Water	200.7	
180-10862-1 MS	EFFLUENT	Total Recoverable	Water	200.7	
180-10862-1 MSD	EFFLUENT	Total Recoverable	Water	200.7	
LCS 180-36602/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-36602/1-A	Method Blank	Total Recoverable	Water	200.7	

### Analysis Batch: 36875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-10862-1	EFFLUENT	Total Recoverable	Water	200.7 Rev 4.4	36602
180-10862-1 MS	EFFLUENT	Total Recoverable	Water	200.7 Rev 4.4	36602
180-10862-1 MSD	EFFLUENT	Total Recoverable	Water	200.7 Rev 4.4	36602
LCS 180-36602/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	36602
MB 180-36602/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	36602

## General Chemistry

### Analysis Batch: 36481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-10781-A-2 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	
180-10862-1	EFFLUENT	Total/NA	Water	SM 4500 H+ B	
LCS 180-36481/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

### Analysis Batch: 36497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-10685-B-8 DU	Duplicate	Total/NA	Water	SM 2540D	
180-10862-1	EFFLUENT	Total/NA	Water	SM 2540D	
LCS 180-36497/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-36497/2	Method Blank	Total/NA	Water	SM 2540D	

**TestAmerica Pittsburgh**  
 301 Alpha Drive RIDC Park  
 Pittsburgh, PA 15238  
 Phone (412) 963-7058 Fax (412) 963-2468

**Chain of Custody Record**

ID 662 # 1

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING

**Client Information**  
 Client Contact: Mr. Leo Brausch  
 Company: Leo Brausch Consulting  
 Address: 131 Wedgewood Drive  
 City: Gibsonia  
 State, Zip: PA, 15044  
 Phone: \_\_\_\_\_  
 Email: lbrausch@ml.net  
 Project Name: Buffalo Airport  
 Site: New York

**Sample Information**  
 Sample: *Chad Bille*  
 Phone: *716 297-6150*  
 Lab Part: Colussy, Jill L  
 E-Mail: jill.colussy@testamericainc.com  
 Carrier Tracking No(s): \_\_\_\_\_

**Analysis Requested**  
 Due Date Requested: \_\_\_\_\_  
 TAT Requested (days): \_\_\_\_\_  
 PO #: \_\_\_\_\_  
 Purchase Order not requir  
 W/O #: \_\_\_\_\_  
 Project #: 18006817  
 SSOV#: \_\_\_\_\_  
 Field: Filtered: Sample (Yes or No) \_\_\_\_\_  
 Perform MS/MSD (Yes or No) \_\_\_\_\_

**Analysis Requested**  
 2540D, SM4500\_H+  
 200.7 - (MOD) Special List 200.7  
 624\_25ml - (MOD) Volatiles - PPL List

**Special Instructions/Note:**  
 Preservation Codes:  
 A - HCL  
 B - NaOH  
 C - Zn Acetate  
 D - Nitric Acid  
 E - NaHSO4  
 F - MeOH  
 G - Amthor  
 H - Ascorbic Acid  
 I - Ice  
 J - DI Water  
 K - EDTA  
 L - EDA  
 M - Hexane  
 N - None  
 O - AsHAO2  
 P - Na2O4S  
 Q - Na2SO3  
 R - Na2S2O3  
 S - H2SO4  
 T - TSP Dodecahydrate  
 U - Acetone  
 V - MCAA  
 W - pH 4.5  
 Z - other (Specify)  
 Other: \_\_\_\_\_

**Sample Identification**  
 Sample Date: *5/16/12*  
 Sample Time: *8:15*  
 Sample Type (C=Comp, G=grab): \_\_\_\_\_  
 Matrix (Water, Sewer, Onsite, Industrial, Aerial): \_\_\_\_\_  
 Preservation Code: \_\_\_\_\_  
 Total Number of containers: \_\_\_\_\_

**Effluent:**  
 Date: *5/16/12*  
 Time: *8:15*  
 Matrix: Water

Field	Filtered	Sample	(Yes or No)
2540D, SM4500_H+			N
200.7 - (MOD) Special List 200.7			D
624_25ml - (MOD) Volatiles - PPL List			A

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_

**Empty Kit Relinquished by:** \_\_\_\_\_ Date: \_\_\_\_\_

**Relinquished by:** *ASL* Date/Time: *5/16-12* Company: *BAK*

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_



## Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-10862-1

Login Number: 10862

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Gamber, Tom

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