



**CBS Corporation**

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

*Via Electronic and First-Class Mail*

November 13, 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, October 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 progress report on activities undertaken in October 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 October 17, 2014, CBS submitted to NYSDEC a monthly report on the status of activities at the Site in September 2014.
- B. Conestoga-Rovers & Associates (CRA) completed closure of the OU2 groundwater collection system. The final work activity was closing the lower portion of the 002 segment that had been left open to allow time to observe the effects on 002 segment water levels following closure of the upper portion of this system. The work completed was the following:
  - Partially filling with flowable fill the piping between MH-002-01 and MH-002-02 and between MH-002-01 and CSMH-002;

- Plugging CSMH-002, MH-002-01, and MH-002-02 with Portland cement concrete; and
  - Topping off MH-002-03, MH-002-10, and MH-002-15 with flowable fill.
- C. CRA drained the piping and vessels (except for one carbon adsorber) at the groundwater water treatment system. Drained liquids were treated and discharged.
- D. The groundwater treatment plant was operated on October 16, 2014 as needed to treat water drained from piping and vessels associated with this system.

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

- A. The groundwater system treated and discharged an estimated 1,000 gallons as part of the system decommissioning.
- B. Attachment A provides the discharge monitoring report for October 2014 based on the effluent sample collected on October 16, 2014. Attachment B provides the analytical laboratory report for this effluent sample (Sample No. WG-18036-102614-002).
- C. Attachment B also provides the analytical laboratory report for an influent (Sample No. WG-18036-102614-001) collected on October 16, 2014 (*i.e.*, water accumulated in equalization tank prior to treatment).
- D. In reviewing the treatment system monitoring information for October 2014, please note the following:
- All of the discharge for the month occurred on October 16, 2014;
  - Flow data were estimated based on the volumes of the treatment vessel drained; and
  - The pH data are provided by the submitted laboratory sample.
- E. For the October 2014 reporting period, the effluent complied with all discharge limitations.
- F. Attachment C provides the analytical laboratory report for a sample of treatment solids from the groundwater treatment system. Testing of this sample was used to characterize this material for off-site disposal. Testing confirmed prior results that the treatment solids do not exhibit the characteristics of a hazardous waste.

- G. No other sampling or test data were developed during the October 2014 reporting period.

### **3. Upcoming Activities**

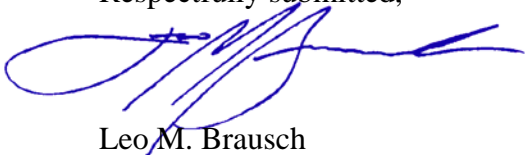
- A. Encotech, Inc. will dismantle the groundwater treatment system, thereby completing the OU2 groundwater collection and treatment system closure.<sup>1</sup>
- B. Waste materials generated in system closure will be transported off-site for proper disposal.
- C. CRA will conduct the first round of post-closure groundwater and surface water monitoring.
- D. CRA will submit outstanding electronic data deliverables for incorporation in the NYSDEC EQUIS database.<sup>2</sup>

### **4. Technical and Schedule Issues**

- A. There are no unresolved technical or operational issues affecting the completion 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:

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

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<sup>1</sup> This activity was completed on November 11, 2014.

<sup>2</sup> The submittal for the July 2014 storm water sampling has been delayed awaiting completion of a field survey/verification of sample location coordinates and elevations.

**ATTACHMENT A**  
**DISCHARGE MONITORING REPORT**  
**OCTOBER 2014**

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

Reporting Month & Year **Oct-14**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		<b>1,000</b>	<b>gpd</b>		<b>1</b>	<b>Estimate</b>
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	<b>6.72</b>	<b>6.72</b>	<b>s.u.</b>		<b>1</b>	<b>Grab</b>
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		<b>&lt; 2.0</b>	<b>mg/L</b>	<b>&lt; 0.02</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; 0.00001</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; 0.00001</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; 0.00001</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; 0.00001</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; 0.00001</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; 0.00001</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		<b>&lt; 5.0</b>	<b>ug/L</b>	<b>&lt; 0.00004</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		<b>11</b>	<b>ug/L</b>	<b>0.0001</b>	<b>1</b>	<b>Grab</b>
	Discharge Limitation		99	ug/L		Monthly	Grab

**ATTACHMENT B**  
**ANALYTICAL LABORATORY REPORT**  
**OCTOBER 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: 180-37818-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

10/29/2014 5:16:05 PM

Jill Colussy, Project Manager I

(412)963-2444

[jill.colussy@testamericainc.com](mailto:jill.colussy@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: 180-37818-1

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**Job ID: 180-37818-1**

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**Laboratory: TestAmerica Pittsburgh**

## Narrative

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**Job Narrative**  
**180-37818-1**

### Receipt

The samples were received on 10/17/2014 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.1° C.

### GC/MS VOA

The following sample was diluted to bring the concentration of target analytes within the calibration range: WG-18036-101614-001 (180-37818-1). 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: 180-37818-1

## 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.

### Metals

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

### 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. Test performed by laboratory at client's request.

## 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: 180-37818-1

## 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	03-31-15
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	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	04-30-15
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	09-14-15
West Virginia DEP	State Program	3	142	01-31-15

# Sample Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37818-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-37818-1	WG-18036-101614-001	Water	10/16/14 12:00	10/17/14 09:00
180-37818-2	WG-18036-101614-002	Water	10/16/14 12:30	10/17/14 09:00

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# Method Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37818-1

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: 180-37818-1

**Client Sample ID: WG-18036-101614-001**

**Lab Sample ID: 180-37818-1**

**Date Collected: 10/16/14 12:00**

**Matrix: Water**

**Date Received: 10/17/14 09:00**

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	122746	10/27/14 08:22	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	122060	10/20/14 13:07	LEM	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	122284	10/21/14 15:28	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	122056	10/20/14 12:06	MTW	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		30 mL	122011	10/20/14 10:41	AB1	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: WG-18036-101614-002**

**Lab Sample ID: 180-37818-2**

**Date Collected: 10/16/14 12:30**

**Matrix: Water**

**Date Received: 10/17/14 09:00**

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	122746	10/27/14 00:43	DLF	TAL PIT
Instrument ID: CHHP6										
Total Recoverable	Prep	200.7			50 mL	50 mL	122060	10/20/14 13:07	LEM	TAL PIT
Total Recoverable	Analysis	200.7 Rev 4.4		1	50 mL	50 mL	122284	10/21/14 15:33	RJG	TAL PIT
Instrument ID: C										
Total/NA	Analysis	SM 2540D		1	250 mL	250 mL	122056	10/20/14 12:06	MTW	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	SM 4500 H+ B		1		30 mL	122011	10/20/14 10:43	AB1	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

LEM = Lauren McGrath

Batch Type: Analysis

AB1 = Ashwin Baikadi

DLF = Donald Ferguson

MTW = Michael Wesoloski

RJG = Rob Good

# Client Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37818-1

**Client Sample ID: WG-18036-101614-001**

**Lab Sample ID: 180-37818-1**

Date Collected: 10/16/14 12:00

Matrix: Water

Date Received: 10/17/14 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	14		5.0	0.75	ug/L			10/27/14 08:22	5
Tetrachloroethene	3.4	J	5.0	0.74	ug/L			10/27/14 08:22	5
Toluene	1.5	J	5.0	0.75	ug/L			10/27/14 08:22	5
Trichloroethene	39		5.0	0.72	ug/L			10/27/14 08:22	5
1,2-Dichlorobenzene	5.0	U	5.0	0.76	ug/L			10/27/14 08:22	5
cis-1,2-Dichloroethene	97		5.0	1.2	ug/L			10/27/14 08:22	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		58 - 135		10/27/14 08:22	5
4-Bromofluorobenzene (Surr)	92		62 - 123		10/27/14 08:22	5
Toluene-d8 (Surr)	105		71 - 118		10/27/14 08:22	5
Dibromofluoromethane (Surr)	102		64 - 128		10/27/14 08:22	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		10/20/14 13:07	10/21/14 15:28	1
Chromium	120		5.0	0.77	ug/L		10/20/14 13:07	10/21/14 15:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	6.8		2.0	2.0	mg/L			10/20/14 12:06	1
pH	12.3	HF	0.100	0.100	SU			10/20/14 10:41	1

**Client Sample ID: WG-18036-101614-002**

**Lab Sample ID: 180-37818-2**

Date Collected: 10/16/14 12:30

Matrix: Water

Date Received: 10/17/14 09:00

**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			10/27/14 00:43	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			10/27/14 00:43	1
Toluene	1.0	U	1.0	0.15	ug/L			10/27/14 00:43	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			10/27/14 00:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			10/27/14 00:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			10/27/14 00:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		58 - 135		10/27/14 00:43	1
4-Bromofluorobenzene (Surr)	100		62 - 123		10/27/14 00:43	1
Toluene-d8 (Surr)	96		71 - 118		10/27/14 00:43	1
Dibromofluoromethane (Surr)	119		64 - 128		10/27/14 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	5.0	U	5.0	0.13	ug/L		10/20/14 13:07	10/21/14 15:33	1
Chromium	11		5.0	0.77	ug/L		10/20/14 13:07	10/21/14 15:33	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			10/20/14 12:06	1
pH	6.72	HF	0.100	0.100	SU			10/20/14 10:43	1

TestAmerica Pittsburgh

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37818-1

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

**Lab Sample ID: MB 180-122746/5**

**Matrix: Water**

**Analysis Batch: 122746**

**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			10/26/14 11:44	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			10/26/14 11:44	1
Toluene	1.0	U	1.0	0.15	ug/L			10/26/14 11:44	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			10/26/14 11:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			10/26/14 11:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			10/26/14 11:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		58 - 135		10/26/14 11:44	1
4-Bromofluorobenzene (Surr)	99		62 - 123		10/26/14 11:44	1
Toluene-d8 (Surr)	101		71 - 118		10/26/14 11:44	1
Dibromofluoromethane (Surr)	107		64 - 128		10/26/14 11:44	1

**Lab Sample ID: LCS 180-122746/1002**

**Matrix: Water**

**Analysis Batch: 122746**

**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	9.15		ug/L		91	60 - 140
Tetrachloroethene	10.0	9.50		ug/L		95	73 - 127
Toluene	10.0	9.63		ug/L		96	74 - 126
Trichloroethene	10.0	9.68		ug/L		97	73 - 125
1,2-Dichlorobenzene	10.0	9.88		ug/L		99	68 - 127
cis-1,2-Dichloroethene	10.0	10.2		ug/L		102	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		58 - 135
4-Bromofluorobenzene (Surr)	100		62 - 123
Toluene-d8 (Surr)	103		71 - 118
Dibromofluoromethane (Surr)	104		64 - 128

**Lab Sample ID: LCSD 180-122746/9**

**Matrix: Water**

**Analysis Batch: 122746**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride	10.0	9.30		ug/L		93	60 - 140	2	25
Tetrachloroethene	10.0	9.47		ug/L		95	73 - 127	0	25
Toluene	10.0	10.2		ug/L		102	74 - 126	6	25
Trichloroethene	10.0	10.0		ug/L		100	73 - 125	3	25
1,2-Dichlorobenzene	10.0	9.96		ug/L		100	68 - 127	1	35
cis-1,2-Dichloroethene	10.0	9.96		ug/L		100	69 - 127	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		58 - 135
4-Bromofluorobenzene (Surr)	106		62 - 123
Toluene-d8 (Surr)	104		71 - 118

TestAmerica Pittsburgh



# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37818-1

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

Lab Sample ID: LCSD 180-122746/9  
Matrix: Water  
Analysis Batch: 122746

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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Dibromofluoromethane (Surr)	107		64 - 128

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

Lab Sample ID: MB 180-122060/1-A  
Matrix: Water  
Analysis Batch: 122284

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 122060

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.13	ug/L		10/20/14 13:07	10/21/14 14:42	1
Chromium	5.0	U	5.0	0.77	ug/L		10/20/14 13:07	10/21/14 14:42	1

Lab Sample ID: LCS 180-122060/2-A  
Matrix: Water  
Analysis Batch: 122284

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 122060

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							Result	Qualifier
Cadmium	50.0	53.5		ug/L		107	85 - 115	
Chromium	200	196		ug/L		98	85 - 115	

Lab Sample ID: LCSD 180-122060/3-A  
Matrix: Water  
Analysis Batch: 122284

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total Recoverable  
Prep Batch: 122060

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	
							Result	Qualifier	RPD	Limit
Cadmium	50.0	52.3		ug/L		105	85 - 115	2	20	
Chromium	200	208		ug/L		104	85 - 115	6	20	

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

Lab Sample ID: MB 180-122056/2  
Matrix: Water  
Analysis Batch: 122056

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	2.0	U	2.0	2.0	mg/L			10/20/14 12:06	1

Lab Sample ID: LCS 180-122056/1  
Matrix: Water  
Analysis Batch: 122056

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							Result	Qualifier
Total Suspended Solids	44.0	42.0		mg/L		95	80 - 120	

TestAmerica Pittsburgh

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37818-1

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

Lab Sample ID: 180-37815-C-1 DU  
Matrix: Water  
Analysis Batch: 122056

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Suspended Solids	2.0		2.0	U	mg/L		NC	20

## Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-122011/1  
Matrix: Water  
Analysis Batch: 122011

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	7.050		SU		101	99 - 101

Lab Sample ID: 180-37837-K-4 DU  
Matrix: Water  
Analysis Batch: 122011

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	7.58		7.620		SU		0.5	2

# QC Association Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37818-1

## GC/MS VOA

### Analysis Batch: 122746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37818-1	WG-18036-101614-001	Total/NA	Water	624	
180-37818-2	WG-18036-101614-002	Total/NA	Water	624	
LCS 180-122746/1002	Lab Control Sample	Total/NA	Water	624	
LCS D 180-122746/9	Lab Control Sample Dup	Total/NA	Water	624	
MB 180-122746/5	Method Blank	Total/NA	Water	624	

## Metals

### Prep Batch: 122060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37818-1	WG-18036-101614-001	Total Recoverable	Water	200.7	
180-37818-2	WG-18036-101614-002	Total Recoverable	Water	200.7	
LCS 180-122060/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCS D 180-122060/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
MB 180-122060/1-A	Method Blank	Total Recoverable	Water	200.7	

### Analysis Batch: 122284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37818-1	WG-18036-101614-001	Total Recoverable	Water	200.7 Rev 4.4	122060
180-37818-2	WG-18036-101614-002	Total Recoverable	Water	200.7 Rev 4.4	122060
LCS 180-122060/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	122060
LCS D 180-122060/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	122060
MB 180-122060/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	122060

## General Chemistry

### Analysis Batch: 122011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37818-1	WG-18036-101614-001	Total/NA	Water	SM 4500 H+ B	
180-37818-2	WG-18036-101614-002	Total/NA	Water	SM 4500 H+ B	
180-37837-K-4 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	
LCS 180-122011/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

### Analysis Batch: 122056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37815-C-1 DU	Duplicate	Total/NA	Water	SM 2540D	
180-37818-1	WG-18036-101614-001	Total/NA	Water	SM 2540D	
180-37818-2	WG-18036-101614-002	Total/NA	Water	SM 2540D	
LCS 180-122056/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-122056/2	Method Blank	Total/NA	Water	SM 2540D	



**CONESTOGA-ROVERS & ASSOCIATES**

**CHAIN OF CUSTODY RECORD**

Address: NIAGARA FALLS, NY  
 Phone: 716-297-0150 Fax: 716-297-2265

COC NO.: 40796

PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No/Phase/Task Code: <u>18036-2014</u>		Laboratory Name: <u>TEST AMERICA</u>		Lab Location: <u>PITTSBURGH, PA</u>		SSOW ID:											
Project Name: <u>BUFFALO AIRPORT</u>		Lab Contact: <u>JILL COLUSSY</u>		Lab Quote No:		Cooler No:											
Project Location: <u>CHEEKTOWAGA, NY</u>		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)		Carrier: <u>FED EX</u>											
Chemistry Contact: <u>LEO BRAUSCH</u>		SAMPLE TYPE	Matrix Code (see back of COC)	Grab (g) or Comp (c)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO <sub>3</sub> )	Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> )	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	Encores 3x5-g, 1x25-g	Other:	Total Containers/Sample	MS/MSD Request	Airbill No:	Date Shipped: <u>10/16/14</u>	COMMENTS/SPECIAL INSTRUCTIONS:
Sampler(s): <u>DOUG OSCAL</u>																	
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)		DATE (mm/dd/yyyy)	TIME (hr:min)	1													
1		<u>10/14/14</u>	<u>1200</u>	<u>WG 6</u>	<u>1</u>												
2		<u>"</u>	<u>1230</u>	<u>WG 6</u>	<u>1</u>												
3																	
4																	
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8																	
9																	
10																	
11																	
12																	
13																	
TAT Required in business days (use separate COCs for different TATs):		RELEASING BY: <u>[Signature]</u>		DATE: <u>10/16/14</u>	TIME: <u>1645</u>	COMPANY: <u>CRA</u>	RECEIVED BY: <u>[Signature]</u>	DATE: <u>10-17-14</u>	TIME: <u>9:00</u>	Notes/ Special Requirements:							
<input type="checkbox"/> 1 Day		<input type="checkbox"/> 2 Days		<input type="checkbox"/> 3 Days		<input type="checkbox"/> 1 Week		<input type="checkbox"/> 2 Week		<input type="checkbox"/> Other:		Total Number of Containers: <u>10</u>					
												All Samples in Cooler must be on COC					
												180-37818 Chain of Custody					
												Barcode					

## Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-37818-1

**Login Number: 37818**

**List Source: TestAmerica Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

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**  
**ANALYTICAL LABORATORY REPORT**  
**TREATMENT SOLIDS SAMPLE**

# 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: 180-37601-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

10/23/2014 2:29:57 PM

Jill Colussy, Project Manager I

(412)963-2444

[jill.colussy@testamericainc.com](mailto:jill.colussy@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: 180-37601-1

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**Job ID: 180-37601-1**

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**Laboratory: TestAmerica Pittsburgh**

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**Narrative**

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**Job Narrative**  
**180-37601-1**

**Receipt**

The sample was received on 10/10/2014 10:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

**GC/MS VOA**

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

**GC/MS Semi VOA**

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

**GC Semi VOA**

The following sample appears to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: SL-18036-100914-001 (180-37601-1). The sample has been quantified and reported as Aroclor 1016. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with this result.

**Metals**

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

**General Chemistry**

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



# Definitions/Glossary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## Qualifiers

### GC/MS VOA

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

### GC/MS Semi 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.

### GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
F1	MS and/or MSD Recovery exceeds the control limits

### Metals

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.

### General Chemistry

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
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: 180-37601-1

## 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	03-31-15
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	04-30-15
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	09-14-15
West Virginia DEP	State Program	3	142	01-31-15

\* Certification renewal pending - certification considered valid.

TestAmerica Pittsburgh

# Sample Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-37601-1	SL-18036-100914-001	Sediment	10/09/14 09:00	10/10/14 10:30

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# Method Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL PIT
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PIT
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PIT
6010C	Metals (ICP)	SW846	TAL PIT
7470A	Mercury (CVAA)	SW846	TAL PIT
2540G	SM 2540G	SM22	TAL PIT
9014	Cyanide	SW846	TAL PIT
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL PIT
9045D	pH	SW846	TAL PIT

**Protocol References:**

SM22 = SM22

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**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: 180-37601-1

**Client Sample ID: SL-18036-100914-001**

**Lab Sample ID: 180-37601-1**

**Date Collected: 10/09/14 09:00**

**Matrix: Sediment**

**Date Received: 10/10/14 10:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			25.00 g	500 mL	122232	10/21/14 13:19	SLM	TAL PIT
TCLP	Analysis	8260C		1	0.125 mL	5 mL	122328	10/22/14 21:30	PJJ	TAL PIT
		Instrument ID: CHHP7								
TCLP	Leach	1311			20.01 g	400 mL	121916	10/18/14 15:09	SLM	TAL PIT
TCLP	Prep	3510C			200 mL	10.0 mL	122098	10/21/14 03:05	KLG	TAL PIT
TCLP	Analysis	8270D		1	200 mL	10.0 mL	122115	10/21/14 09:12	VVP	TAL PIT
		Instrument ID: CH732								
Total/NA	Prep	3541			15.1 g	10.0 mL	122136	10/21/14 06:15	KLG	TAL PIT
Total/NA	Analysis	8082A		1	15.1 g	10.0 mL	122261	10/21/14 18:24	AKG	TAL PIT
		Instrument ID: CHGC8								
TCLP	Leach	1311			20.01 g	400 mL	121916	10/18/14 15:09	SLM	TAL PIT
TCLP	Prep	3010A			5 mL	50 mL	121955	10/19/14 11:26	SLB	TAL PIT
TCLP	Analysis	6010C		1	5 mL	50 mL	122106	10/20/14 21:42	RJG	TAL PIT
		Instrument ID: C								
TCLP	Leach	1311			20.01 g	400 mL	121916	10/18/14 15:09	SLM	TAL PIT
TCLP	Prep	7470A			50 mL	50 mL	122016	10/20/14 09:22	LEM	TAL PIT
TCLP	Analysis	7470A		1	50 mL	50 mL	122086	10/20/14 16:38	LEM	TAL PIT
		Instrument ID: K								
Total/NA	Analysis	2540G		1			121304	10/13/14 17:13	AB1	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	9010C			1.99 g	50 mL	121850	10/17/14 11:40	PGJ	TAL PIT
Total/NA	Analysis	9014		1	1.99 g	50 mL	121878	10/17/14 15:32	PGJ	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Prep	9030B			4.98 g	50 mL	121357	10/14/14 08:55	MEB	TAL PIT
Total/NA	Analysis	9034		1	4.98 g	50 mL	121362	10/14/14 09:20	MEB	TAL PIT
		Instrument ID: NOEQUIP								
Total/NA	Analysis	9045D		1	20 g	20 mL	121268	10/13/14 11:25	AB1	TAL PIT
		Instrument ID: NOEQUIP								

**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: 180-37601-1

## Analyst References:

Lab: TAL PIT

Batch Type: Leach

SLM = Sarah McCann

Batch Type: Prep

KLG = Kevin Geehring

LEM = Lauren McGrath

MEB = Michael Bucklaw

PGJ = Paul Johnson

SLB = Sandy Becker

Batch Type: Analysis

AB1 = Ashwin Baikadi

AKG = Ashok Gupta

LEM = Lauren McGrath

MEB = Michael Bucklaw

PGJ = Paul Johnson

PJJ = Patrick Journet

RJG = Rob Good

VVP = Vincent Piccolino

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# Client Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

**Client Sample ID: SL-18036-100914-001**

**Lab Sample ID: 180-37601-1**

**Date Collected: 10/09/14 09:00**

**Matrix: Sediment**

**Date Received: 10/10/14 10:30**

## Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	200	U	200	38	ug/L			10/22/14 21:30	1
2-Butanone (MEK)	200	U	200	43	ug/L			10/22/14 21:30	1
Benzene	200	U	200	40	ug/L			10/22/14 21:30	1
Carbon tetrachloride	200	U	200	43	ug/L			10/22/14 21:30	1
Chlorobenzene	200	U	200	21	ug/L			10/22/14 21:30	1
Chloroform	200	U	200	40	ug/L			10/22/14 21:30	1
Tetrachloroethene	200	U	200	33	ug/L			10/22/14 21:30	1
Trichloroethene	200	U	200	32	ug/L			10/22/14 21:30	1
Vinyl chloride	200	U	200	52	ug/L			10/22/14 21:30	1
1,1-Dichloroethene	200	U	200	43	ug/L			10/22/14 21:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		62 - 123		10/22/14 21:30	1
4-Bromofluorobenzene (Surr)	94		75 - 120		10/22/14 21:30	1
Dibromofluoromethane (Surr)	101		80 - 120		10/22/14 21:30	1
Toluene-d8 (Surr)	88		80 - 120		10/22/14 21:30	1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.050	U	0.050	0.012	mg/L		10/21/14 03:05	10/21/14 09:12	1
2,4,5-Trichlorophenol	0.050	U	0.050	0.013	mg/L		10/21/14 03:05	10/21/14 09:12	1
2,4,6-Trichlorophenol	0.050	U	0.050	0.011	mg/L		10/21/14 03:05	10/21/14 09:12	1
2,4-Dinitrotoluene	0.050	U	0.050	0.010	mg/L		10/21/14 03:05	10/21/14 09:12	1
2-Methylphenol	0.050	U	0.050	0.014	mg/L		10/21/14 03:05	10/21/14 09:12	1
Methylphenol, 3 & 4	0.050	U	0.050	0.027	mg/L		10/21/14 03:05	10/21/14 09:12	1
Hexachlorobenzene	0.050	U	0.050	0.011	mg/L		10/21/14 03:05	10/21/14 09:12	1
Hexachlorobutadiene	0.050	U	0.050	0.013	mg/L		10/21/14 03:05	10/21/14 09:12	1
Hexachloroethane	0.050	U	0.050	0.013	mg/L		10/21/14 03:05	10/21/14 09:12	1
Nitrobenzene	0.050	U	0.050	0.013	mg/L		10/21/14 03:05	10/21/14 09:12	1
Pentachlorophenol	0.25	U	0.25	0.022	mg/L		10/21/14 03:05	10/21/14 09:12	1
Pyridine	0.10	U	0.10	0.0083	mg/L		10/21/14 03:05	10/21/14 09:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	73		35 - 115	10/21/14 03:05	10/21/14 09:12	1
2-Fluorophenol (Surr)	78		20 - 110	10/21/14 03:05	10/21/14 09:12	1
2,4,6-Tribromophenol (Surr)	82		19 - 138	10/21/14 03:05	10/21/14 09:12	1
Nitrobenzene-d5 (Surr)	76		39 - 115	10/21/14 03:05	10/21/14 09:12	1
Phenol-d5 (Surr)	68		30 - 118	10/21/14 03:05	10/21/14 09:12	1
Terphenyl-d14 (Surr)	75		30 - 143	10/21/14 03:05	10/21/14 09:12	1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>PCB-1016</b>	<b>32</b>		17	2.6	ug/Kg	☼	10/21/14 06:15	10/21/14 18:24	1
PCB-1221	17	U	17	3.3	ug/Kg	☼	10/21/14 06:15	10/21/14 18:24	1
PCB-1232	17	U	17	3.0	ug/Kg	☼	10/21/14 06:15	10/21/14 18:24	1
PCB-1242	17	U	17	2.8	ug/Kg	☼	10/21/14 06:15	10/21/14 18:24	1
PCB-1248	17	U	17	1.6	ug/Kg	☼	10/21/14 06:15	10/21/14 18:24	1
PCB-1254	17	U	17	2.5	ug/Kg	☼	10/21/14 06:15	10/21/14 18:24	1
PCB-1260	17	U	17	2.5	ug/Kg	☼	10/21/14 06:15	10/21/14 18:24	1

TestAmerica Pittsburgh



# Client Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

**Client Sample ID: SL-18036-100914-001**

**Lab Sample ID: 180-37601-1**

**Date Collected: 10/09/14 09:00**

**Matrix: Sediment**

**Date Received: 10/10/14 10:30**

**Percent Solids: 48.0**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	54		45 - 135	10/21/14 06:15	10/21/14 18:24	1
DCB Decachlorobiphenyl (Surr)	84		45 - 125	10/21/14 06:15	10/21/14 18:24	1

**Method: 6010C - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50	0.030	mg/L		10/19/14 11:26	10/20/14 21:42	1
Barium	1.1	J B	2.0	0.0019	mg/L		10/19/14 11:26	10/20/14 21:42	1
Cadmium	0.0094	J B	0.50	0.0017	mg/L		10/19/14 11:26	10/20/14 21:42	1
Chromium	0.50	U	0.50	0.010	mg/L		10/19/14 11:26	10/20/14 21:42	1
Lead	0.50	U	0.50	0.015	mg/L		10/19/14 11:26	10/20/14 21:42	1
Selenium	0.50	U	0.50	0.017	mg/L		10/19/14 11:26	10/20/14 21:42	1
Silver	0.50	U	0.50	0.0027	mg/L		10/19/14 11:26	10/20/14 21:42	1

**Method: 7470A - Mercury (CVAA) - TCLP**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000038	mg/L		10/20/14 09:22	10/20/14 16:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	52		0.10	0.10	%			10/13/14 17:13	1
Percent Solids	48		0.10	0.10	%			10/13/14 17:13	1
Cyanide, Total	1.6		0.52	0.15	mg/Kg	✱	10/17/14 11:40	10/17/14 15:32	1
Sulfide	77		63	13	mg/Kg	✱	10/14/14 08:55	10/14/14 09:20	1
pH	12.0		0.100	0.100	SU			10/13/14 11:25	1

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Lab Sample ID: LCS 180-122328/10**

**Matrix: Sediment**

**Analysis Batch: 122328**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	400	418		ug/L		104	63 - 140
2-Butanone (MEK)	400	361		ug/L		90	31 - 139
Benzene	400	376		ug/L		94	80 - 120
Carbon tetrachloride	400	443		ug/L		111	63 - 139
Chlorobenzene	400	374		ug/L		93	83 - 120
Chloroform	400	382		ug/L		95	77 - 119
Tetrachloroethene	400	385		ug/L		96	78 - 126
Trichloroethene	400	400		ug/L		100	80 - 120
Vinyl chloride	400	367		ug/L		92	57 - 128
1,1-Dichloroethene	400	424		ug/L		106	69 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		62 - 123
4-Bromofluorobenzene (Surr)	89		75 - 120
Dibromofluoromethane (Surr)	97		80 - 120
Toluene-d8 (Surr)	91		80 - 120

**Lab Sample ID: LB 180-122232/9-A**

**Matrix: Sediment**

**Analysis Batch: 122328**

**Client Sample ID: Method Blank**

**Prep Type: TCLP**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	50	U	50	9.6	ug/L			10/22/14 13:05	1
2-Butanone (MEK)	50	U	50	11	ug/L			10/22/14 13:05	1
Benzene	50	U	50	9.9	ug/L			10/22/14 13:05	1
Carbon tetrachloride	50	U	50	11	ug/L			10/22/14 13:05	1
Chlorobenzene	50	U	50	5.3	ug/L			10/22/14 13:05	1
Chloroform	50	U	50	10	ug/L			10/22/14 13:05	1
Tetrachloroethene	50	U	50	8.2	ug/L			10/22/14 13:05	1
Trichloroethene	50	U	50	8.0	ug/L			10/22/14 13:05	1
Vinyl chloride	50	U	50	13	ug/L			10/22/14 13:05	1
1,1-Dichloroethene	50	U	50	11	ug/L			10/22/14 13:05	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		62 - 123		10/22/14 13:05	1
4-Bromofluorobenzene (Surr)	89		75 - 120		10/22/14 13:05	1
Dibromofluoromethane (Surr)	91		80 - 120		10/22/14 13:05	1
Toluene-d8 (Surr)	90		80 - 120		10/22/14 13:05	1

**Lab Sample ID: 180-37559-B-5-A MS**

**Matrix: Sediment**

**Analysis Batch: 122328**

**Client Sample ID: Matrix Spike**

**Prep Type: TCLP**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	200	U	1600	1660		ug/L		104	63 - 140
2-Butanone (MEK)	200	U	1600	1760		ug/L		110	31 - 139
Benzene	200	U	1600	1470		ug/L		92	80 - 120

TestAmerica Pittsburgh

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: 180-37559-B-5-A MS**

**Matrix: Sediment**

**Analysis Batch: 122328**

**Client Sample ID: Matrix Spike**

**Prep Type: TCLP**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits	
	Result	Qualifier	Added	Result	Qualifier					
Carbon tetrachloride	200	U	1600	1610		ug/L		101	63 - 139	
Chlorobenzene	200	U	1600	1510		ug/L		95	83 - 120	
Chloroform	200	U	1600	1530		ug/L		96	77 - 119	
Tetrachloroethene	200	U	1600	1520		ug/L		95	78 - 126	
Trichloroethene	200	U	1600	1630		ug/L		102	80 - 120	
Vinyl chloride	200	U	1600	1320		ug/L		83	57 - 128	
1,1-Dichloroethene	200	U	1600	1490		ug/L		93	69 - 127	
<b>MS MS</b>										
Surrogate	%Recovery	Qualifier	Limits							
1,2-Dichloroethane-d4 (Surr)	97		62 - 123							
4-Bromofluorobenzene (Surr)	91		75 - 120							
Dibromofluoromethane (Surr)	99		80 - 120							
Toluene-d8 (Surr)	94		80 - 120							

**Lab Sample ID: 180-37559-B-5-A MSD**

**Matrix: Sediment**

**Analysis Batch: 122328**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: TCLP**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,2-Dichloroethane	200	U	1600	1700		ug/L		106	63 - 140	2	25
2-Butanone (MEK)	200	U	1600	1410		ug/L		88	31 - 139	22	35
Benzene	200	U	1600	1500		ug/L		94	80 - 120	2	20
Carbon tetrachloride	200	U	1600	1670		ug/L		104	63 - 139	3	25
Chlorobenzene	200	U	1600	1480		ug/L		93	83 - 120	2	20
Chloroform	200	U	1600	1550		ug/L		97	77 - 119	1	20
Tetrachloroethene	200	U	1600	1510		ug/L		95	78 - 126	0	25
Trichloroethene	200	U	1600	1610		ug/L		100	80 - 120	2	20
Vinyl chloride	200	U	1600	1390		ug/L		87	57 - 128	5	26
1,1-Dichloroethene	200	U	1600	1550		ug/L		97	69 - 127	3	20
<b>MSD MSD</b>											
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	100		62 - 123								
4-Bromofluorobenzene (Surr)	93		75 - 120								
Dibromofluoromethane (Surr)	93		80 - 120								
Toluene-d8 (Surr)	92		80 - 120								

## Method: 8270D - Semivolatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 180-122098/1-A**

**Matrix: Sediment**

**Analysis Batch: 122115**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 122098**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dichlorobenzene	0.050	U	0.050	0.012	mg/L		10/21/14 03:05	10/21/14 06:57	1
2,4,5-Trichlorophenol	0.050	U	0.050	0.013	mg/L		10/21/14 03:05	10/21/14 06:57	1
2,4,6-Trichlorophenol	0.050	U	0.050	0.011	mg/L		10/21/14 03:05	10/21/14 06:57	1
2,4-Dinitrotoluene	0.050	U	0.050	0.010	mg/L		10/21/14 03:05	10/21/14 06:57	1

TestAmerica Pittsburgh

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 180-122098/1-A**

**Matrix: Sediment**

**Analysis Batch: 122115**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 122098**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Methylphenol	0.050	U	0.050	0.014	mg/L		10/21/14 03:05	10/21/14 06:57	1
Methylphenol, 3 & 4	0.050	U	0.050	0.027	mg/L		10/21/14 03:05	10/21/14 06:57	1
Hexachlorobenzene	0.050	U	0.050	0.011	mg/L		10/21/14 03:05	10/21/14 06:57	1
Hexachlorobutadiene	0.050	U	0.050	0.013	mg/L		10/21/14 03:05	10/21/14 06:57	1
Hexachloroethane	0.050	U	0.050	0.013	mg/L		10/21/14 03:05	10/21/14 06:57	1
Nitrobenzene	0.050	U	0.050	0.013	mg/L		10/21/14 03:05	10/21/14 06:57	1
Pentachlorophenol	0.25	U	0.25	0.022	mg/L		10/21/14 03:05	10/21/14 06:57	1
Pyridine	0.10	U	0.10	0.0083	mg/L		10/21/14 03:05	10/21/14 06:57	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl	73		35 - 115	10/21/14 03:05	10/21/14 06:57	1
2-Fluorophenol (Surr)	78		20 - 110	10/21/14 03:05	10/21/14 06:57	1
2,4,6-Tribromophenol (Surr)	82		19 - 138	10/21/14 03:05	10/21/14 06:57	1
Nitrobenzene-d5 (Surr)	79		39 - 115	10/21/14 03:05	10/21/14 06:57	1
Phenol-d5 (Surr)	69		30 - 118	10/21/14 03:05	10/21/14 06:57	1
Terphenyl-d14 (Surr)	74		30 - 143	10/21/14 03:05	10/21/14 06:57	1

**Lab Sample ID: LCS 180-122098/2-A**

**Matrix: Sediment**

**Analysis Batch: 122115**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 122098**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,4-Dichlorobenzene	0.250	0.178		mg/L		71	37 - 115
2,4,5-Trichlorophenol	0.250	0.180		mg/L		72	35 - 115
2,4,6-Trichlorophenol	0.250	0.195		mg/L		78	40 - 115
2,4-Dinitrotoluene	0.250	0.169		mg/L		68	40 - 115
2-Methylphenol	0.250	0.185		mg/L		74	43 - 115
Methylphenol, 3 & 4	0.500	0.362		mg/L		72	30 - 121
Hexachlorobenzene	0.250	0.162		mg/L		65	45 - 115
Hexachlorobutadiene	0.250	0.197		mg/L		79	42 - 115
Hexachloroethane	0.250	0.185		mg/L		74	25 - 106
Nitrobenzene	0.250	0.197		mg/L		79	40 - 115
Pentachlorophenol	0.250	0.115	J	mg/L		46	16 - 140
Pyridine	0.250	0.210		mg/L		84	22 - 105

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	80		35 - 115
2-Fluorophenol (Surr)	86		20 - 110
2,4,6-Tribromophenol (Surr)	91		19 - 138
Nitrobenzene-d5 (Surr)	85		39 - 115
Phenol-d5 (Surr)	76		30 - 118
Terphenyl-d14 (Surr)	82		30 - 143

TestAmerica Pittsburgh

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCSD 180-122098/3-A**

**Matrix: Sediment**

**Analysis Batch: 122115**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 122098**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	RPD Limit
							Limits	RPD		
1,4-Dichlorobenzene	0.250	0.172		mg/L		69	37 - 115	3	35	
2,4,5-Trichlorophenol	0.250	0.184		mg/L		74	35 - 115	2	40	
2,4,6-Trichlorophenol	0.250	0.186		mg/L		75	40 - 115	4	37	
2,4-Dinitrotoluene	0.250	0.165		mg/L		66	40 - 115	3	42	
2-Methylphenol	0.250	0.166		mg/L		66	43 - 115	11	47	
Methylphenol, 3 & 4	0.500	0.334		mg/L		67	30 - 121	8	35	
Hexachlorobenzene	0.250	0.161		mg/L		64	45 - 115	1	22	
Hexachlorobutadiene	0.250	0.180		mg/L		72	42 - 115	9	28	
Hexachloroethane	0.250	0.176		mg/L		70	25 - 106	5	38	
Nitrobenzene	0.250	0.196		mg/L		78	40 - 115	0	26	
Pentachlorophenol	0.250	0.109	J	mg/L		44	16 - 140	5	40	
Pyridine	0.250	0.216		mg/L		86	22 - 105	3	40	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	73		35 - 115
2-Fluorophenol (Surr)	83		20 - 110
2,4,6-Tribromophenol (Surr)	88		19 - 138
Nitrobenzene-d5 (Surr)	79		39 - 115
Phenol-d5 (Surr)	73		30 - 118
Terphenyl-d14 (Surr)	78		30 - 143

**Lab Sample ID: LB 180-121916/2-D**

**Matrix: Sediment**

**Analysis Batch: 122115**

**Client Sample ID: Method Blank**

**Prep Type: TCLP**

**Prep Batch: 122098**

Analyte	LB LB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dichlorobenzene	0.050	U	0.050	0.012	mg/L		10/21/14 03:05	10/21/14 07:42	1
2,4,5-Trichlorophenol	0.050	U	0.050	0.013	mg/L		10/21/14 03:05	10/21/14 07:42	1
2,4,6-Trichlorophenol	0.050	U	0.050	0.011	mg/L		10/21/14 03:05	10/21/14 07:42	1
2,4-Dinitrotoluene	0.050	U	0.050	0.010	mg/L		10/21/14 03:05	10/21/14 07:42	1
2-Methylphenol	0.050	U	0.050	0.014	mg/L		10/21/14 03:05	10/21/14 07:42	1
Methylphenol, 3 & 4	0.050	U	0.050	0.027	mg/L		10/21/14 03:05	10/21/14 07:42	1
Hexachlorobenzene	0.050	U	0.050	0.011	mg/L		10/21/14 03:05	10/21/14 07:42	1
Hexachlorobutadiene	0.050	U	0.050	0.013	mg/L		10/21/14 03:05	10/21/14 07:42	1
Hexachloroethane	0.050	U	0.050	0.013	mg/L		10/21/14 03:05	10/21/14 07:42	1
Nitrobenzene	0.050	U	0.050	0.013	mg/L		10/21/14 03:05	10/21/14 07:42	1
Pentachlorophenol	0.25	U	0.25	0.022	mg/L		10/21/14 03:05	10/21/14 07:42	1
Pyridine	0.10	U	0.10	0.0083	mg/L		10/21/14 03:05	10/21/14 07:42	1

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl	77		35 - 115	10/21/14 03:05	10/21/14 07:42	1
2-Fluorophenol (Surr)	81		20 - 110	10/21/14 03:05	10/21/14 07:42	1
2,4,6-Tribromophenol (Surr)	85		19 - 138	10/21/14 03:05	10/21/14 07:42	1
Nitrobenzene-d5 (Surr)	79		39 - 115	10/21/14 03:05	10/21/14 07:42	1
Phenol-d5 (Surr)	72		30 - 118	10/21/14 03:05	10/21/14 07:42	1
Terphenyl-d14 (Surr)	74		30 - 143	10/21/14 03:05	10/21/14 07:42	1

TestAmerica Pittsburgh

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

**Lab Sample ID: MB 180-122136/1-A**

**Matrix: Sediment**

**Analysis Batch: 122261**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 122136**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	8.3	U	8.3	1.2	ug/Kg		10/21/14 06:15	10/21/14 17:52	1
PCB-1221	8.3	U	8.3	1.6	ug/Kg		10/21/14 06:15	10/21/14 17:52	1
PCB-1232	8.3	U	8.3	1.4	ug/Kg		10/21/14 06:15	10/21/14 17:52	1
PCB-1242	8.3	U	8.3	1.4	ug/Kg		10/21/14 06:15	10/21/14 17:52	1
PCB-1248	8.3	U	8.3	0.79	ug/Kg		10/21/14 06:15	10/21/14 17:52	1
PCB-1254	8.3	U	8.3	1.2	ug/Kg		10/21/14 06:15	10/21/14 17:52	1
PCB-1260	8.3	U	8.3	1.2	ug/Kg		10/21/14 06:15	10/21/14 17:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	97		45 - 135	10/21/14 06:15	10/21/14 17:52	1
DCB Decachlorobiphenyl (Surr)	115		45 - 125	10/21/14 06:15	10/21/14 17:52	1

**Lab Sample ID: LCS 180-122136/2-A**

**Matrix: Sediment**

**Analysis Batch: 122261**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 122136**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	667	590		ug/Kg		89	55 - 135
PCB-1260	667	692		ug/Kg		104	50 - 140

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	99		45 - 135
DCB Decachlorobiphenyl (Surr)	116		45 - 125

**Lab Sample ID: 180-37601-1 MS**

**Matrix: Sediment**

**Analysis Batch: 122261**

**Client Sample ID: SL-18036-100914-001**

**Prep Type: Total/NA**

**Prep Batch: 122136**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	32		1390	736	F1	ug/Kg	☼	51	55 - 135
PCB-1260	17	U	1390	907		ug/Kg	☼	65	50 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr)	58		45 - 135
DCB Decachlorobiphenyl (Surr)	90		45 - 125

**Lab Sample ID: 180-37601-1 MSD**

**Matrix: Sediment**

**Analysis Batch: 122261**

**Client Sample ID: SL-18036-100914-001**

**Prep Type: Total/NA**

**Prep Batch: 122136**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	32		1380	839		ug/Kg	☼	59	55 - 135	13	20
PCB-1260	17	U	1380	1010		ug/Kg	☼	73	50 - 140	11	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene (Surr)	66		45 - 135
DCB Decachlorobiphenyl (Surr)	99		45 - 125

TestAmerica Pittsburgh

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## Method: 6010C - Metals (ICP)

**Lab Sample ID: MB 180-121955/1-A**  
**Matrix: Sediment**  
**Analysis Batch: 122106**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 121955**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.050	U	0.050	0.0030	mg/L		10/19/14 11:26	10/20/14 21:22	1
Barium	0.20	U	0.20	0.00019	mg/L		10/19/14 11:26	10/20/14 21:22	1
Cadmium	0.050	U	0.050	0.00017	mg/L		10/19/14 11:26	10/20/14 21:22	1
Chromium	0.050	U	0.050	0.0010	mg/L		10/19/14 11:26	10/20/14 21:22	1
Lead	0.050	U	0.050	0.0015	mg/L		10/19/14 11:26	10/20/14 21:22	1
Selenium	0.050	U	0.050	0.0017	mg/L		10/19/14 11:26	10/20/14 21:22	1
Silver	0.050	U	0.050	0.00027	mg/L		10/19/14 11:26	10/20/14 21:22	1

**Lab Sample ID: LCS 180-121955/2-A**  
**Matrix: Sediment**  
**Analysis Batch: 122106**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 121955**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.500	0.519		mg/L		104	80 - 120
Barium	2.00	2.07		mg/L		104	80 - 120
Cadmium	0.0500	0.0514		mg/L		103	80 - 120
Chromium	0.200	0.200		mg/L		100	80 - 120
Lead	0.500	0.474		mg/L		95	80 - 120
Selenium	0.500	0.515		mg/L		103	80 - 120
Silver	0.0500	0.0506		mg/L		101	80 - 120

**Lab Sample ID: LCSD 180-121955/3-A**  
**Matrix: Sediment**  
**Analysis Batch: 122106**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 121955**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.500	0.513		mg/L		103	80 - 120	1	20
Barium	2.00	2.06		mg/L		103	80 - 120	0	20
Cadmium	0.0500	0.0511		mg/L		102	80 - 120	1	20
Chromium	0.200	0.199		mg/L		100	80 - 120	1	20
Lead	0.500	0.473		mg/L		95	80 - 120	0	20
Selenium	0.500	0.511		mg/L		102	80 - 120	1	20
Silver	0.0500	0.0504		mg/L		101	80 - 120	0	20

**Lab Sample ID: LB 180-121916/2-B**  
**Matrix: Sediment**  
**Analysis Batch: 122106**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 121955**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	U	0.50	0.030	mg/L		10/19/14 11:26	10/20/14 21:27	1
Barium	0.00670	J	2.0	0.0019	mg/L		10/19/14 11:26	10/20/14 21:27	1
Cadmium	0.00190	J	0.50	0.0017	mg/L		10/19/14 11:26	10/20/14 21:27	1
Chromium	0.50	U	0.50	0.010	mg/L		10/19/14 11:26	10/20/14 21:27	1
Lead	0.50	U	0.50	0.015	mg/L		10/19/14 11:26	10/20/14 21:27	1
Selenium	0.50	U	0.50	0.017	mg/L		10/19/14 11:26	10/20/14 21:27	1
Silver	0.50	U	0.50	0.0027	mg/L		10/19/14 11:26	10/20/14 21:27	1

TestAmerica Pittsburgh

# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-122016/1-A  
Matrix: Sediment  
Analysis Batch: 122086

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 122016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000038	mg/L		10/20/14 09:12	10/20/14 16:01	1

Lab Sample ID: LCS 180-122016/2-A  
Matrix: Sediment  
Analysis Batch: 122086

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 122016

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00263		mg/L		105	80 - 120

Lab Sample ID: LCSD 180-122016/3-A  
Matrix: Sediment  
Analysis Batch: 122086

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 122016

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00250	0.00258		mg/L		103	80 - 120	2	20

Lab Sample ID: LB 180-121916/2-C  
Matrix: Sediment  
Analysis Batch: 122086

Client Sample ID: Method Blank  
Prep Type: TCLP  
Prep Batch: 122016

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000038	mg/L		10/20/14 09:22	10/20/14 16:36	1

## Method: 2540G - SM 2540G

Lab Sample ID: 180-37595-A-30 DU  
Matrix: Sediment  
Analysis Batch: 121304

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	54		55		%		1	20
Percent Solids	46		45		%		2	20

## Method: 9014 - Cyanide

Lab Sample ID: MB 180-121850/4-A  
Matrix: Sediment  
Analysis Batch: 121878

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 121850

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.25	U	0.25	0.073	mg/Kg		10/17/14 11:40	10/17/14 14:59	1

Lab Sample ID: HLCS 180-121850/2-A  
Matrix: Sediment  
Analysis Batch: 121878

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 121850

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.240		mg/Kg		96	90 - 110

TestAmerica Pittsburgh



# QC Sample Results

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## Method: 9014 - Cyanide (Continued)

**Lab Sample ID: LCS 180-121850/3-A**  
**Matrix: Sediment**  
**Analysis Batch: 121878**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 121850**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	64.5	74.0		mg/Kg		115	38 - 162

**Lab Sample ID: LLCS 180-121850/1-A**  
**Matrix: Sediment**  
**Analysis Batch: 121878**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 121850**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.0500	0.0501		mg/Kg		100	90 - 110

**Lab Sample ID: 180-37584-C-2-N MS**  
**Matrix: Sediment**  
**Analysis Batch: 121878**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 121850**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.55	U	11.0	13.0		mg/Kg	☼	118	75 - 125

**Lab Sample ID: 180-37584-D-2-C MSD**  
**Matrix: Sediment**  
**Analysis Batch: 121878**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 121850**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	0.55	U	11.4	10.3	F2	mg/Kg	☼	90	75 - 125	24	20

**Lab Sample ID: 180-37601-1 MS**  
**Matrix: Sediment**  
**Analysis Batch: 121878**

**Client Sample ID: SL-18036-100914-001**  
**Prep Type: Total/NA**  
**Prep Batch: 121850**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	1.6		10.4	10.8		mg/Kg	☼	89	75 - 125

## Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

**Lab Sample ID: MB 180-121357/1-A**  
**Matrix: Sediment**  
**Analysis Batch: 121362**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 121357**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	30	U	30	6.0	mg/Kg		10/14/14 08:55	10/14/14 09:20	1

**Lab Sample ID: LCS 180-121357/2-A**  
**Matrix: Sediment**  
**Analysis Batch: 121362**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 121357**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	192	175		mg/Kg		91	85 - 115

TestAmerica Pittsburgh

# QC Sample Results

Client: Leo Brausch Consulting  
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric) (Continued)

**Lab Sample ID: 180-37584-E-2-B MS**

**Matrix: Sediment**

**Analysis Batch: 121362**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 121357**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	240		432	609		mg/Kg	✘	85	75 - 125

**Lab Sample ID: 180-37584-E-2-C MSD**

**Matrix: Sediment**

**Analysis Batch: 121362**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 121357**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide	240		434	620		mg/Kg	✘	87	75 - 125	2	20

## Method: 9045D - pH

**Lab Sample ID: LCS 180-121268/1**

**Matrix: Sediment**

**Analysis Batch: 121268**

**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	7.050		SU		101	99 - 101

**Lab Sample ID: 180-37574-A-1 DU**

**Matrix: Sediment**

**Analysis Batch: 121268**

**Client Sample ID: Duplicate**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	6.44		6.480		SU		0.6	2

# QC Association Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## GC/MS VOA

### Leach Batch: 122232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37559-B-5-A MS	Matrix Spike	TCLP	Sediment	1311	
180-37559-B-5-A MSD	Matrix Spike Duplicate	TCLP	Sediment	1311	
180-37601-1	SL-18036-100914-001	TCLP	Sediment	1311	
LB 180-122232/9-A	Method Blank	TCLP	Sediment	1311	

### Analysis Batch: 122328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37559-B-5-A MS	Matrix Spike	TCLP	Sediment	8260C	122232
180-37559-B-5-A MSD	Matrix Spike Duplicate	TCLP	Sediment	8260C	122232
180-37601-1	SL-18036-100914-001	TCLP	Sediment	8260C	122232
LB 180-122232/9-A	Method Blank	TCLP	Sediment	8260C	122232
LCS 180-122328/10	Lab Control Sample	Total/NA	Sediment	8260C	

## GC/MS Semi VOA

### Leach Batch: 121916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37601-1	SL-18036-100914-001	TCLP	Sediment	1311	
LB 180-121916/2-D	Method Blank	TCLP	Sediment	1311	

### Prep Batch: 122098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37601-1	SL-18036-100914-001	TCLP	Sediment	3510C	121916
LB 180-121916/2-D	Method Blank	TCLP	Sediment	3510C	121916
LCS 180-122098/2-A	Lab Control Sample	Total/NA	Sediment	3510C	
LCS D 180-122098/3-A	Lab Control Sample Dup	Total/NA	Sediment	3510C	
MB 180-122098/1-A	Method Blank	Total/NA	Sediment	3510C	

### Analysis Batch: 122115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37601-1	SL-18036-100914-001	TCLP	Sediment	8270D	122098
LB 180-121916/2-D	Method Blank	TCLP	Sediment	8270D	122098
LCS 180-122098/2-A	Lab Control Sample	Total/NA	Sediment	8270D	122098
LCS D 180-122098/3-A	Lab Control Sample Dup	Total/NA	Sediment	8270D	122098
MB 180-122098/1-A	Method Blank	Total/NA	Sediment	8270D	122098

## GC Semi VOA

### Prep Batch: 122136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37601-1	SL-18036-100914-001	Total/NA	Sediment	3541	
180-37601-1 MS	SL-18036-100914-001	Total/NA	Sediment	3541	
180-37601-1 MSD	SL-18036-100914-001	Total/NA	Sediment	3541	
LCS 180-122136/2-A	Lab Control Sample	Total/NA	Sediment	3541	
MB 180-122136/1-A	Method Blank	Total/NA	Sediment	3541	

### Analysis Batch: 122261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37601-1	SL-18036-100914-001	Total/NA	Sediment	8082A	122136
180-37601-1 MS	SL-18036-100914-001	Total/NA	Sediment	8082A	122136

TestAmerica Pittsburgh

# QC Association Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## GC Semi VOA (Continued)

### Analysis Batch: 122261 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37601-1 MSD	SL-18036-100914-001	Total/NA	Sediment	8082A	122136
LCS 180-122136/2-A	Lab Control Sample	Total/NA	Sediment	8082A	122136
MB 180-122136/1-A	Method Blank	Total/NA	Sediment	8082A	122136

## Metals

### Leach Batch: 121916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37601-1	SL-18036-100914-001	TCLP	Sediment	1311	
LB 180-121916/2-B	Method Blank	TCLP	Sediment	1311	
LB 180-121916/2-C	Method Blank	TCLP	Sediment	1311	

### Prep Batch: 121955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37601-1	SL-18036-100914-001	TCLP	Sediment	3010A	121916
LB 180-121916/2-B	Method Blank	TCLP	Sediment	3010A	121916
LCS 180-121955/2-A	Lab Control Sample	Total/NA	Sediment	3010A	
LCSD 180-121955/3-A	Lab Control Sample Dup	Total/NA	Sediment	3010A	
MB 180-121955/1-A	Method Blank	Total/NA	Sediment	3010A	

### Prep Batch: 122016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37601-1	SL-18036-100914-001	TCLP	Sediment	7470A	121916
LB 180-121916/2-C	Method Blank	TCLP	Sediment	7470A	121916
LCS 180-122016/2-A	Lab Control Sample	Total/NA	Sediment	7470A	
LCSD 180-122016/3-A	Lab Control Sample Dup	Total/NA	Sediment	7470A	
MB 180-122016/1-A	Method Blank	Total/NA	Sediment	7470A	

### Analysis Batch: 122086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37601-1	SL-18036-100914-001	TCLP	Sediment	7470A	122016
LB 180-121916/2-C	Method Blank	TCLP	Sediment	7470A	122016
LCS 180-122016/2-A	Lab Control Sample	Total/NA	Sediment	7470A	122016
LCSD 180-122016/3-A	Lab Control Sample Dup	Total/NA	Sediment	7470A	122016
MB 180-122016/1-A	Method Blank	Total/NA	Sediment	7470A	122016

### Analysis Batch: 122106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37601-1	SL-18036-100914-001	TCLP	Sediment	6010C	121955
LB 180-121916/2-B	Method Blank	TCLP	Sediment	6010C	121955
LCS 180-121955/2-A	Lab Control Sample	Total/NA	Sediment	6010C	121955
LCSD 180-121955/3-A	Lab Control Sample Dup	Total/NA	Sediment	6010C	121955
MB 180-121955/1-A	Method Blank	Total/NA	Sediment	6010C	121955

## General Chemistry

### Analysis Batch: 121268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37574-A-1 DU	Duplicate	Total/NA	Sediment	9045D	
180-37601-1	SL-18036-100914-001	Total/NA	Sediment	9045D	

TestAmerica Pittsburgh

# QC Association Summary

Client: Leo Brausch Consulting  
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-37601-1

## General Chemistry (Continued)

### Analysis Batch: 121268 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-121268/1	Lab Control Sample	Total/NA	Sediment	9045D	

### Analysis Batch: 121304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37595-A-30 DU	Duplicate	Total/NA	Sediment	2540G	
180-37601-1	SL-18036-100914-001	Total/NA	Sediment	2540G	

### Prep Batch: 121357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37584-E-2-B MS	Matrix Spike	Total/NA	Sediment	9030B	
180-37584-E-2-C MSD	Matrix Spike Duplicate	Total/NA	Sediment	9030B	
180-37601-1	SL-18036-100914-001	Total/NA	Sediment	9030B	
LCS 180-121357/2-A	Lab Control Sample	Total/NA	Sediment	9030B	
MB 180-121357/1-A	Method Blank	Total/NA	Sediment	9030B	

### Analysis Batch: 121362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37584-E-2-B MS	Matrix Spike	Total/NA	Sediment	9034	121357
180-37584-E-2-C MSD	Matrix Spike Duplicate	Total/NA	Sediment	9034	121357
180-37601-1	SL-18036-100914-001	Total/NA	Sediment	9034	121357
LCS 180-121357/2-A	Lab Control Sample	Total/NA	Sediment	9034	121357
MB 180-121357/1-A	Method Blank	Total/NA	Sediment	9034	121357

### Prep Batch: 121850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37584-C-2-N MS	Matrix Spike	Total/NA	Sediment	9010C	
180-37584-D-2-C MSD	Matrix Spike Duplicate	Total/NA	Sediment	9010C	
180-37601-1	SL-18036-100914-001	Total/NA	Sediment	9010C	
180-37601-1 MS	SL-18036-100914-001	Total/NA	Sediment	9010C	
HLCS 180-121850/2-A	Lab Control Sample	Total/NA	Sediment	9010C	
LCS 180-121850/3-A	Lab Control Sample	Total/NA	Sediment	9010C	
LLCS 180-121850/1-A	Lab Control Sample	Total/NA	Sediment	9010C	
MB 180-121850/4-A	Method Blank	Total/NA	Sediment	9010C	

### Analysis Batch: 121878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-37584-C-2-N MS	Matrix Spike	Total/NA	Sediment	9014	121850
180-37584-D-2-C MSD	Matrix Spike Duplicate	Total/NA	Sediment	9014	121850
180-37601-1	SL-18036-100914-001	Total/NA	Sediment	9014	121850
180-37601-1 MS	SL-18036-100914-001	Total/NA	Sediment	9014	121850
HLCS 180-121850/2-A	Lab Control Sample	Total/NA	Sediment	9014	121850
LCS 180-121850/3-A	Lab Control Sample	Total/NA	Sediment	9014	121850
LLCS 180-121850/1-A	Lab Control Sample	Total/NA	Sediment	9014	121850
MB 180-121850/4-A	Method Blank	Total/NA	Sediment	9014	121850

TestAmerica Pittsburgh



**CONESTOGA-ROVERS & ASSOCIATES**

**CHAIN OF CUSTODY RECORD**

COC NO.: 48053

PAGE 1 OF 1

(See Reverse Side for Instructions)

Address: NIAGARA FALLS, NY

Phone: 716-297-6150 Fax: 716-297-2265

Project No/ Phase/Task Code: <u>018036-2014</u>		Laboratory Name: <u>TEST AMERICA</u>		Lab Location: <u>PITTSBURGH, PA</u>		SSOW ID:	
Project Name: <u>BUFFALO AIRPORT</u>		Lab Contact: <u>Jill Coussey</u>		Lab Quote No.:		Cooler No.:	
Project Location: <u>CHEEKTOWAGA, NY</u>		CONTAINER QUANTITY & PRESERVATION		ANALYSIS REQUESTED (See Back of COC for Definitions)		Carrier: <u>FED EX</u>	
Chemistry Contact: <u>LEO BRAUSCH</u>		SAMPLE TYPE		Total Containers/Sample		Airbill No.:	
Sampler(s): <u>DOUG OSCAR</u>		Matrix Code		Other:		Date Shipped: <u>10/9/14</u>	
SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)		DATE (mm/dd/yy)		EnCores 3x5-g, 1x25-g		COMMENTS/SPECIAL INSTRUCTIONS:	
1 <u>SL-18036-100914-0010/09/14 0900SL-C</u>		TIME (hh:mm)		VOC (Methanol/Water (Soil (NaOH) Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> ) Nitric Acid (HNO <sub>3</sub> ) Hydrochloric Acid (HCl) Unpreserved)		MS/MSD Request	
2				VOC			
3				PCBS			
4				SVCs			
5				REACTIVITY			
6				CORROSIIVITY			
7				3			
8							
9							
10							
11							
12							
13							
14							
15							
TAT Required in business days (use separate COCs for different TATs):		RECEIVED BY:		RECEIVED BY:		Notes/ Special Requirements:	
<input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week <input type="checkbox"/> Other:		DATE: <u>10/09/14 1235</u>		DATE: <u>10-10-14 10:30</u>		180-37601 Chain of Custody	
1. <u>[Signature]</u>		CRA =		Delaine Watson TAP		COMPANY: TAP	
2.							
3.							

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)



## Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-37601-1

Login Number: 37601

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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	