

#### **CBS** Corporation

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

*Via Electronic and First-Class Mail* February 14, 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 January 2012 and transmits the discharge monitoring report for this period.

#### 1. Site Activities and Status

- A. The recovery and treatment system operated throughout January 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 behalf of CBS, on January 10, 2012, CRA submitted the electronic data deliverable for the influent, effluent, and groundwater monitoring data collected in December 2011.

D. On January 12, 2012, CBS submitted to NYSDEC a monthly report on the status of O&M activities at the Site for December 2011. That status report also transmitted the discharge monitoring data for December 2011.

## 2. Sampling Results and Other Site Data

- A. In January 2012, the groundwater system recovered and treated an estimated 99,000 gallons. The reduced flow was due, in part, to operational problems with the pump in Sump 002 caused by clogging with precipitate.<sup>1</sup>
- B. Attachment A provides the discharge monitoring report for January 2012 based on the effluent sample collected on January 17, 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 January 2012 reporting period, the effluent complied with all discharge limitations.

# 3. Upcoming Activities

A. CBS will continue required O&M activities.

B. CBS continued planning and design for the installation of "temporary" plugs at manholes MH-002-09 and MH-002-10 to allow an evaluation of the impacts of the partial system closure before proceeding with the Phase 1 closure of the 002 system. Following this temporary closure, CRA will conduct additional water level measurements, surface water monitoring, and groundwater monitoring as described in the *Revised Work Plan* (Rev. 1, November 7, 2008).

The pump was de-scaled and restarted on February 7, 2012.

# 4. Operational Problems

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

\* \* \* :

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

Very truly yours.

Leo M. Brausch

Consultant/Project Engineer

LMB:

Attachments

cc: K. P. Lynch, CRA

C. D'Aloise, NFTA

# ATTACHMENT A DISCHARGE MONITORING REPORT JANUARY 2012

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

Reporting Month & Year Jan-12

Paramet	ter	Daily Minimum	Daily Maximum	Units	Daily Maximum (Ibs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		5,191	gpd		Continuous	Meter
	Discharge Limitation		28,800	gpd		Continuous	Meter
pН	Monitoring Result	7.19	7.48	s.u.		5	Grab
	Discharge Limitation	6.5	8.5	s.u.		Weekly	Grab
Total suspended solids	Monitoring Result		< 4.0	mg/L	< 0.17	1	Grab
	Discharge Limitation		20	mg/L		Monthly	Grab
Toluene	Monitoring Result		< 1.0	ug/L	< 0.00004	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
Methylene chloride	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
1,2-dichlorobenzene	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		5	ug/L		Monthly	Grab
cis-1,2-dichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Trichloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		10	ug/L		Monthly	Grab
Tetrachloroethylene	Monitoring Result		< 1.0	ug/L	< 0.00005	1	Grab
	Discharge Limitation		50	ug/L		Monthly	Grab
Cadmium	Monitoring Result		< 0.15	ug/L	< 0.000006	1	Grab
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		2.4	ug/L	0.00010	1	Grab
	Discharge Limitation		99	ug/L		Monthly	Grab

2/14/2012 Page 1 of 1

# ATTACHMENT B ANALYTICAL LABORATORY REPORT JANUARY 2012 EFFLUENT SAMPLING



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: 180-7576-1

Client Project/Site: Buffalo Airport

Sampling Event: Effluent

#### For:

Leo Brausch Consulting 131 Wedgewood Drive Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch

Carrw G. Gamber

Authorized for release by: 1/24/2012 1:27:01 PM

Carrie Gamber Project Manager II

carrie.gamber@testamericainc.com

·····LINKS ·······

Review your project results through

Total Access

**Have a Question?** 



Visit us at: www.testamericainc.com

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

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

Client: Leo Brausch Consulting Project/Site: Buffalo Airport TestAmerica Job ID: 180-7576-1

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#### **Case Narrative**

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-7576-1

Job ID: 180-7576-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative 180-7576-1

#### Receipt

The sample was received in good condition within temperature requirements.

The Method Blank had target compounds detected between the reporting limit and method detection limit. These values are marked with a "J" qualifier. Any sample that had a detection for one of these compounds had the compound marked with a "B" qualifier.

No other analytical or quality issues were noted.

The Method Blank had target compounds detected between the reporting limit and method detection limit. These values are marked with a "J" qualifier. Any sample that had a detection for one of these compounds had the compound marked with a "B" qualifier.

No other analytical or quality issues were noted.

#### **General Chemistry**

All the unpreserved sample volume received for TSS and pH was used analyzing for TSS. The pH was canceled after confirming with the client.

No other analytical or quality issues were noted.

# **Definitions/Glossary**

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-7576-1

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## **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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

#### **General Chemistry**

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

# **Glossary**

QC

RL

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

RPD Relative Percent Difference, a measure of the relative difference between two points
TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

Quality Control Reporting Limit

TestAmerica Pittsburgh 1/24/2012

# **Certification Summary**

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-7576-1

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

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# **Sample Summary**

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-7576-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-7576-1	EFF0112	Water	01/17/12 09:00	01/18/12 10:15

# **Method Summary**

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-7576-1

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

#### **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

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# **Client Sample Results**

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-7576-1

Lab Sample ID: 180-7576-1

**Client Sample ID: EFF0112** Date Collected: 01/17/12 09:00

Date Received: 01/18/12 10:15

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.0	U	1.0	0.15	ug/L			01/18/12 18:30	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			01/18/12 18:30	1
Toluene	1.0	U	1.0	0.15	ug/L			01/18/12 18:30	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			01/18/12 18:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			01/18/12 18:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/18/12 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		58 - 135					01/18/12 18:30	1
4-Bromofluorobenzene (Surr)	111		62 - 123					01/18/12 18:30	1
Toluene-d8 (Surr)	87		71 - 118					01/18/12 18:30	1
Dibromofluoromethane (Surr)	108		64 - 128					01/18/12 18:30	1
- Method: 200.7 Rev 4.4 - Metals	s (ICP) - Total Red	coverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.15	ug/L		01/19/12 15:40	01/20/12 19:16	1
Chromium	2.4	J	5.0	0.51	ug/L		01/19/12 15:40	01/20/12 19:16	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			01/19/12 08:44	1

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-7576-1

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

Lab Sample ID: MB 180-26277/4

**Matrix: Water** 

**Analysis Batch: 26277** 

Client Sample ID: Method Blank

Prep Type: Total/NA

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.240	J	1.0	0.15	ug/L			01/18/12 17:07	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			01/18/12 17:07	1
Toluene	1.0	U	1.0	0.15	ug/L			01/18/12 17:07	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			01/18/12 17:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			01/18/12 17:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			01/18/12 17:07	1

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		58 - 135	_		01/18/12 17:07	1
4-Bromofluorobenzene (Surr)	114		62 - 123			01/18/12 17:07	1
Toluene-d8 (Surr)	91		71 - 118			01/18/12 17:07	1
Dibromofluoromethane (Surr)	108		64 - 128			01/18/12 17:07	1

Lab Sample ID: LCS 180-26277/3

**Matrix: Water** 

**Analysis Batch: 26277** 

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier Un	nit D	%Rec	Limits	
Methylene Chloride	20.0	17.0	ug	/L	85	60 - 140	
Tetrachloroethene	20.0	17.7	ug	/L	88	73 - 127	
Toluene	20.0	17.3	ug	/L	87	74 - 126	
Trichloroethene	20.0	18.1	ug	/L	91	73 - 125	
1,2-Dichlorobenzene	20.0	19.3	ug	/L	96	68 - 127	
cis-1,2-Dichloroethene	20.0	18.2	ug	/L	91	69 - 127	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		58 - 135
4-Bromofluorobenzene (Surr)	100		62 - 123
Toluene-d8 (Surr)	97		71 - 118
Dibromofluoromethane (Surr)	102		64 - 128

Lab Sample ID: 180-7442-B-1 MS

**Matrix: Water** 

Analysis Batch: 26277

Client Sample ID: Matrix Spike Prep Type: Total/NA

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Methylene Chloride	1.0	U	20.0	16.4		ug/L		82	60 - 140	
Tetrachloroethene	1.0	U	20.0	18.9		ug/L		95	73 _ 127	
Toluene	1.0	U	20.0	18.2		ug/L		91	74 - 126	
Trichloroethene	1.0	U	20.0	19.0		ug/L		95	73 - 125	
1,2-Dichlorobenzene	1.0	U	20.0	19.7		ug/L		99	68 - 127	
cis-1,2-Dichloroethene	1.0	U	20.0	18.0		ug/L		90	69 _ 127	

MS	MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		58 - 135
4-Bromofluorobenzene (Surr)	101		62 - 123
Toluene-d8 (Surr)	98		71 - 118
Dibromofluoromethane (Surr)	101		64 - 128

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-7576-1

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

Lab Sample ID: 180-7442-C-1 MSD

**Matrix: Water** 

**Analysis Batch: 26277** 

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

Spike MSD MSD %Rec. Sample Sample RPD Result Qualifier Result Qualifier Limits RPD Limit babbA Unit D %Rec Analyte Methylene Chloride 1.0 U 20.0 18.2 ug/L 91 60 - 140 10 25 Tetrachloroethene 1.0 U 20.0 20.5 ug/L 103 73 - 127 8 25 20.0 20.6 Toluene 1.0 U ug/L 103 74 - 126 12 25 Trichloroethene 1.0 U 20.0 20.4 ug/L 102 73 - 125 7 25 1,2-Dichlorobenzene 1.0 U 20.0 20.2 ug/L 101 68 - 1272 35 cis-1,2-Dichloroethene 1.0 U 20.0 20.4 ug/L 102 69 \_ 127 12 20

MSD MSD %Recovery Qualifier Limits Surrogate 58 - 135 1,2-Dichloroethane-d4 (Surr) 100 4-Bromofluorobenzene (Surr) 100 62 - 123 Toluene-d8 (Surr) 107 71 - 118Dibromofluoromethane (Surr) 106 64 - 128

MR MR

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-26388/1-A

**Matrix: Water** 

Analysis Batch: 26583

Client Sample ID: Method Blank **Prep Type: Total Recoverable** Prep Batch: 26388

**Client Sample ID: Lab Control Sample** 

**Prep Type: Total Recoverable** 

Prep Batch: 26388

Result Qualifier MDL Analyte RL Unit Prepared Analyzed Dil Fac Cadmium 0.180 J 5.0 01/19/12 15:40 01/20/12 18:27 0.15 ug/L Chromium 5.0 U 5.0 0.51 ug/L 01/19/12 15:40 01/20/12 18:27

Lab Sample ID: LCS 180-26388/2-A

**Matrix: Water** 

**Analysis Batch: 26583** 

	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier Unit	D	%Rec	Limits	
Cadmium	50.0	50.1	ug/L		100	85 - 115	
Chromium	200	202	ug/L		101	85 _ 115	

Lab Sample ID: 180-7576-1 MS

Client Sample ID: EFF0112 **Matrix: Water Prep Type: Total Recoverable Analysis Batch: 26583** Prep Batch: 26388

-	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Cadmium	5.0	U	50.0	50.7		ug/L		101	70 - 130		
Chromium	2.4	J	200	207		ug/L		102	70 - 130		

Lab Sample ID: 180-7576-1 MSD

**Matrix: Water** 

Analysis Batch: 26583									Prep	Batch:	<b>26388</b>
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cadmium	5.0	U	50.0	50.1		ug/L		100	70 - 130	1	20
Chromium	2.4	J	200	205		ug/L		101	70 - 130	1	20

TestAmerica Pittsburgh 1/24/2012

**Client Sample ID: EFF0112** 

**Prep Type: Total Recoverable** 

# **QC Sample Results**

Client: Leo Brausch Consulting

TestAmerica Job ID: 180-7576-1

Project/Site: Buffalo Airport

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Limits

80 - 120

Client Sample ID: Duplicate

Prep Type: Total/NA

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Method: SM 2540D - Solids, Total Suspended (TSS)
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Lab Sample ID: MB 180-26316/2

Matrix: Water

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

Analysis Batch: 26316

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total Suspended Solids
 4.0
 U
 4.0
 2.0
 mg/L
 01/19/12 08:44
 1

Lab Sample ID: LCS 180-26316/1

Matrix: Water

Analysis Batch: 26316

Spike

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

LCS LCS %Rec.

Result Qualifier

66.0

Unit

mg/L

D

%Rec

86

Added

76.4

Total Suspended Solids

Lab Sample ID: 180-7573-A-5 DU Matrix: Water

Analyte

Analysis Batch: 26316

Sample<br/>AnalyteSampleDUDURPDAnalyteResult<br/>Total Suspended SolidsQualifierResult<br/>15QualifierUnit<br/>17.6DRPDLimit<br/>mg/LTotal Suspended Solids1517.617.6mg/L1720

# **QC Association Summary**

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-7576-1

# **GC/MS VOA**

# Analysis Batch: 26277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-7442-B-1 MS	Matrix Spike	Total/NA	Water	624	
180-7442-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
180-7576-1	EFF0112	Total/NA	Water	624	
LCS 180-26277/3	Lab Control Sample	Total/NA	Water	624	
MB 180-26277/4	Method Blank	Total/NA	Water	624	

#### **Metals**

# Prep Batch: 26388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-7576-1	EFF0112	Total Recoverable	Water	200.7	
180-7576-1 MS	EFF0112	Total Recoverable	Water	200.7	
180-7576-1 MSD	EFF0112	Total Recoverable	Water	200.7	
LCS 180-26388/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-26388/1-A	Method Blank	Total Recoverable	Water	200.7	

## **Analysis Batch: 26583**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-7576-1	EFF0112	Total Recoverable	Water	200.7 Rev 4.4	26388
180-7576-1 MS	EFF0112	Total Recoverable	Water	200.7 Rev 4.4	26388
180-7576-1 MSD	EFF0112	Total Recoverable	Water	200.7 Rev 4.4	26388
LCS 180-26388/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	26388
MB 180-26388/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	26388

# **General Chemistry**

## Analysis Batch: 26316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch	ı
180-7573-A-5 DU	Duplicate	Total/NA	Water	SM 2540D	
180-7576-1	EFF0112	Total/NA	Water	SM 2540D	
LCS 180-26316/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-26316/2	Method Blank	Total/NA	Water	SM 2540D	

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SAMPLER'S SIGNATURE:

SEQ.

カル DATE

300 TIME

TOTAL NUMBER OF CONTAINERS -Sampler Copy -Receiving Laboratory Copy-Shipper Copy -Fully Executed Copy SAMPLE No. PRINTED Oh SAMPLE CHAIN OF CUSTODY RECORD SHIPPED TO (Laboratory Name): DATE: DATE: DATE: 01-, TIME: TIME: Tomarco 2012 Luhr SAMPLE TYPE RECEIVED BY: RECEIVED BY: WAY BILL No RECEIVED BY:  $\odot$ No. of Containers DATE: RECEIVED FOR LABORATORY BY: C118117 HEALTH/CHEMICAL HAZARDS D'an REFERENCE NUMBER: #01/036 TIME: 5 1001 (D) APR 28/97(NF) REV. 0 (F-15) Nº CRA 23077 DATE DATE: DATE: TIME: TIME: REMARKS 1/24/2012 Page 13 of 16

Yellow

White

METHOD OF SHIPMENT:

RELINQUISHED BY:

RELINQUISHED

RELINQUISHED BY:

Goldenrod

# **Login Container Summary Report**

180-7576

Temperature readings: Container Preservative Added (mls) Client Sample ID Lab ID Container Type <u>pH</u> Lot# Plastic 500ml - with Nitric Acid EFF0112 180-7576-A-1 Plastic 250ml - unpreserved EFF0112 180-7576-B-1 EFF0112 180-7576-C-1 Voa Vial 40ml - Hydrochloric Acid Voa Vial 40ml - Hydrochloric Acid EFF0112 180-7576-D-1 180-7576-E-1 Voa Vial 40ml - Hydrochloric Acid EFF0112

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# **Login Sample Receipt Checklist**

Client: Leo Brausch Consulting Job Number: 180-7576-1

Login Number: 7576 List Source: TestAmerica Pittsburgh

List Number: 1

Creator: O'Donnell, Brandon R

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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	
s 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	

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