



CBS Corporation

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

Via Electronic and First-Class Mail

November 2, 2011

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

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

Dear Mr. Locey:

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

1. Site Activities and Status

- A. On October 7, 2011, CBS submitted to NYSDEC a monthly report on the status of O&M activities at the Site for September 2011. That status report also transmitted the discharge monitoring data for September 2011.
- B. On behalf of CBS, Conestoga-Rovers & Associates (CRA) conducted routine and non-routine O&M, and TestAmerica Laboratories, Inc. provided required analytical laboratory services.
- C. On October 12, 2011, on behalf of CBS, CRA submitted electronic data deliverables to NYSDEC for the June 2011 influent and effluent sampling.
- D. The recovery and treatment system operated throughout October 2011.

2. Sampling Results and Other Site Data

- A. In October 2011, the groundwater system recovered and treated an estimated 169,000 gallons.¹
- B. Attachment A provides the discharge monitoring report for October 2011 based on the effluent sample collected on October 24, 2011. Attachment B provides the analytical laboratory report for this effluent sample.
- C. In reviewing the treatment system effluent monitoring information, please note the following:
 - Flow data are provided via periodic on-site readings. The maximum daily flow was calculated from these data.
 - The pH data are provided via periodic on-site readings and laboratory analysis of the monthly effluent sample. Effluent pH data are reported only for measurements taken while the treatment pump is operating and the system is actively discharging.
 - The reported daily maximum values (pounds per day) are calculated using the maximum observed daily flow and the results of the monthly effluent monitoring, irrespective of whether the actual maximum daily flow occurred on the day of sampling.
- D. For the October 2011 reporting period, the effluent complied with all discharge limitations.

3. Upcoming Activities

- A. CBS will continue required O&M activities.
- B. At the request of the Niagara Frontier Transportation Authority (NFTA), CBS will evaluate the feasibility, cost, and effectiveness of installing a temporary plug at manhole MH-002-09, MH-002-10, or other suitable location in the 002 system that would allow for an evaluation of the impacts of the partial system closure before proceeding with the Phase 1 closure of the 002 system.
- C. Irrespective of the possible experimentation with a temporary plug, CBS is prepared to complete, upon NYSDEC approval, the Phase 1 closure of the 002 system by filling and sealing manholes MH-002-09 and MH-002-10. After closing of MH-002-09 and MH-002-10 as described in the Revised Work Plan (Rev. 1, November 7, 2008), CRA will conduct additional water level

¹ Based on additional information and recalculation, the estimated total discharge for September 2011 has been revised to 148,000 gallons from the 146,000 gallons as indicated in the September 2011 monthly status report.

measurements, surface water monitoring, and groundwater monitoring as described in that work plan.

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
F. Cefalu, NFTA

ATTACHMENT A
DISCHARGE MONITORING REPORT
OCTOBER 2011

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

Reporting Month & Year **Oct-11**

Parameter		Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result		5,216	gpd		Continuous	Meter
	Discharge Limitation		28,800	gpd		Continuous	Meter
pH	Monitoring Result	7.20	7.42	s.u.		10	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	< 0.000007	1	Grab
	Discharge Limitation		3	ug/L		Monthly	Grab
Chromium	Monitoring Result		1.8	ug/L	0.00008	1	Grab
	Discharge Limitation		99	ug/L		Monthly	Grab

ATTACHMENT B
ANALYTICAL LABORATORY REPORT
OCTOBER 2011 EFFLUENT SAMPLING

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Pittsburgh

301 Alpha Drive

RIDC Park

Pittsburgh, PA 15238

Tel: (412)963-7058

TestAmerica Job ID: 180-5201-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

10/31/2011 02:34:22 PM

Carrie Gamber

Project Manager II

carrie.gamber@testamericainc.com

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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.



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	4
Certification Summary	5
Sample Summary	6
Method Summary	7
Client Sample Results	8
QC Sample Results	9
QC Association	12
Chain of Custody	13
Receipt Checklists	17

Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-5201-1

Job ID: 180-5201-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-5201-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

The method blank had detections between the MDL and RL, these results are marked with a "J" flag, if this compound was detected in the sample, this result is flagged with a "B" qualifier.

No other analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

No analytical or quality issues were noted.

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Definitions/Glossary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-5201-1

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.
B	Compound was found in the blank and sample.

Metals

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

General Chemistry

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

Glossary

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

Certification Summary

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-5201-1

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

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



Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-5201-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-5201-1	EFF1011	Water	10/24/11 08:00	10/25/11 10:00

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Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-5201-1

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-5201-1

Client Sample ID: EFF1011

Lab Sample ID: 180-5201-1

Date Collected: 10/24/11 08:00

Matrix: Water

Date Received: 10/25/11 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.33	J B	1.0	0.15	ug/L			10/28/11 01:15	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			10/28/11 01:15	1
Toluene	1.0	U	1.0	0.15	ug/L			10/28/11 01:15	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			10/28/11 01:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			10/28/11 01:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			10/28/11 01:15	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		58 - 135		10/28/11 01:15	1
4-Bromofluorobenzene (Surr)	115		62 - 123		10/28/11 01:15	1
Toluene-d8 (Surr)	113		71 - 118		10/28/11 01:15	1
Dibromofluoromethane (Surr)	115		64 - 128		10/28/11 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.15	ug/L		10/26/11 11:07	10/28/11 13:54	1
Chromium	1.8	J	5.0	0.51	ug/L		10/26/11 11:07	10/28/11 13:54	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			10/25/11 13:08	1
pH	7.30	HF	0.100	0.100	SU			10/25/11 13:59	1

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-5201-1

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

Lab Sample ID: MB 180-18867/4

Matrix: Water

Analysis Batch: 18867

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.633	J	1.0	0.15	ug/L			10/27/11 20:15	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			10/27/11 20:15	1
Toluene	1.0	U	1.0	0.15	ug/L			10/27/11 20:15	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			10/27/11 20:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			10/27/11 20:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			10/27/11 20:15	1

Surrogate	MB % Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		58 - 135		10/27/11 20:15	1
4-Bromofluorobenzene (Surr)	106		62 - 123		10/27/11 20:15	1
Toluene-d8 (Surr)	110		71 - 118		10/27/11 20:15	1
Dibromofluoromethane (Surr)	110		64 - 128		10/27/11 20:15	1

Lab Sample ID: LCS 180-18867/3

Matrix: Water

Analysis Batch: 18867

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Methylene Chloride	20.0	19.6		ug/L		98	60 - 140
Tetrachloroethene	20.0	20.9		ug/L		104	73 - 127
Toluene	20.0	20.4		ug/L		102	74 - 126
Trichloroethene	20.0	20.3		ug/L		101	73 - 125
1,2-Dichlorobenzene	20.0	20.4		ug/L		102	68 - 127
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	69 - 127

Surrogate	LCS % Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		58 - 135
4-Bromofluorobenzene (Surr)	107		62 - 123
Toluene-d8 (Surr)	108		71 - 118
Dibromofluoromethane (Surr)	109		64 - 128

Lab Sample ID: 180-5149-D-3 MS

Matrix: Water

Analysis Batch: 18867

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Methylene Chloride	0.30	J B	20.0	18.9		ug/L		93	60 - 140
Tetrachloroethene	1.0	U	20.0	22.1		ug/L		111	73 - 127
Toluene	1.0	U	20.0	21.8		ug/L		109	74 - 126
Trichloroethene	1.0	U	20.0	22.3		ug/L		112	73 - 125
1,2-Dichlorobenzene	1.0	U	20.0	20.4		ug/L		102	68 - 127
cis-1,2-Dichloroethene	1.0	U	20.0	21.6		ug/L		108	69 - 127

Surrogate	MS % Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		58 - 135
4-Bromofluorobenzene (Surr)	108		62 - 123
Toluene-d8 (Surr)	108		71 - 118
Dibromofluoromethane (Surr)	105		64 - 128

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-5201-1

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

Lab Sample ID: 180-5149-G-3 MSD

Matrix: Water

Analysis Batch: 18867

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Methylene Chloride	0.30	J B	20.0	18.3		ug/L		90	60 - 140	3	25	
Tetrachloroethene	1.0	U	20.0	21.7		ug/L		108	73 - 127	2	25	
Toluene	1.0	U	20.0	21.1		ug/L		105	74 - 126	3	25	
Trichloroethene	1.0	U	20.0	21.4		ug/L		107	73 - 125	4	25	
1,2-Dichlorobenzene	1.0	U	20.0	20.2		ug/L		101	68 - 127	1	35	
cis-1,2-Dichloroethene	1.0	U	20.0	20.8		ug/L		104	69 - 127	4	20	
MSD MSD												
Surrogate	% Recovery		Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	100			58 - 135								
4-Bromofluorobenzene (Surr)	105			62 - 123								
Toluene-d8 (Surr)	107			71 - 118								
Dibromofluoromethane (Surr)	102			64 - 128								

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-18636/1-A

Matrix: Water

Analysis Batch: 19100

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 18636

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.15	ug/L		10/26/11 11:07	10/28/11 13:11	1
Chromium	5.0	U	5.0	0.51	ug/L		10/26/11 11:07	10/28/11 13:11	1

Lab Sample ID: LCS 180-18636/2-A

Matrix: Water

Analysis Batch: 19100

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 18636

Analyte	Spike	LCS	LCS	% Rec.						
				Result	Qualifier	Limits	RPD			
Cadmium	50.0	50.4		101		85 - 115				
Chromium	200	202		101		85 - 115				

Lab Sample ID: 180-5229-A-1-B MS

Matrix: Water

Analysis Batch: 19100

Client Sample ID: Matrix Spike

Prep Type: Total Recoverable

Prep Batch: 18636

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec.			
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Cadmium	0.25	J	50.0	51.4		ug/L		102	70 - 130			
Chromium	5.0	U	200	207		ug/L		104	70 - 130			

Lab Sample ID: 180-5229-A-1-C MSD

Matrix: Water

Analysis Batch: 19100

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total Recoverable

Prep Batch: 18636

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
Cadmium	0.25	J	50.0	50.3		ug/L		100	70 - 130	2	20	
Chromium	5.0	U	200	204		ug/L		102	70 - 130	2	20	

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-5201-1

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

Lab Sample ID: MB 180-18541/2
Matrix: Water
Analysis Batch: 18541

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0	U	4.0	2.0	mg/L			10/25/11 13:08	1

Lab Sample ID: LCS 180-18541/1
Matrix: Water
Analysis Batch: 18541

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Total Suspended Solids	32.5	30.0		mg/L		92	80 - 120

Lab Sample ID: LCSD 180-18541/12
Matrix: Water
Analysis Batch: 18541

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
Total Suspended Solids	32.5	32.0		mg/L		98	80 - 120	6	20

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-18546/1
Matrix: Water
Analysis Batch: 18546

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	7.020		SU		100	99 - 101

Lab Sample ID: 180-5201-1 DU
Matrix: Water
Analysis Batch: 18546

Client Sample ID: EFF1011
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.30	HF	7.310		SU		0.1	2

QC Association Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-5201-1

GC/MS VOA

Analysis Batch: 18867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-5149-D-3 MS	Matrix Spike	Total/NA	Water	624	
180-5149-G-3 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
180-5201-1	EFF1011	Total/NA	Water	624	
LCS 180-18867/3	Lab Control Sample	Total/NA	Water	624	
MB 180-18867/4	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 18636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-5201-1	EFF1011	Total Recoverable	Water	200.7	
180-5229-A-1-B MS	Matrix Spike	Total Recoverable	Water	200.7	
180-5229-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7	
LCS 180-18636/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-18636/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 19100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-5201-1	EFF1011	Total Recoverable	Water	200.7 Rev 4.4	18636
180-5229-A-1-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	18636
180-5229-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	18636
LCS 180-18636/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	18636
MB 180-18636/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	18636

General Chemistry

Analysis Batch: 18541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-5201-1	EFF1011	Total/NA	Water	SM 2540D	
LCS 180-18541/1	Lab Control Sample	Total/NA	Water	SM 2540D	
LCSD 180-18541/12	Lab Control Sample Dup	Total/NA	Water	SM 2540D	
MB 180-18541/2	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 18546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-5201-1	EFF1011	Total/NA	Water	SM 4500 H+ B	
180-5201-1 DU	EFF1011	Total/NA	Water	SM 4500 H+ B	
LCS 180-18546/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container pH</u>	<u>Preservative Added (mls)</u>	<u>Lot #</u>
EFF1011	180-5201-A-1	Plastic 500ml - with Nitric Acid	2	_____	_____
EFF1011	180-5201-B-1	Plastic 500ml - unpreserved	_____	_____	_____
EFF1011	180-5201-C-1	Voa Vial 40ml - Hydrochloric Acid	P	_____	_____
EFF1011	180-5201-D-1	Voa Vial 40ml - Hydrochloric Acid	↓	_____	_____
EFF1011	180-5201-E-1	Voa Vial 40ml - Hydrochloric Acid	↓	_____	_____

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ORIGIN ID: DKKA (716) 297-2160
BRITT GEBHARDT
CRA SERVICES
2055 NIAGARA FALLS BLVD

NIAGARA FALLS, NY 14304
UNITED STATES US

SHIP DATE: 24OCT11
ACTWGT: 12.0 LB MAN
CAD: 68417/CAFE2509
DIMS: 13x10x9 IN

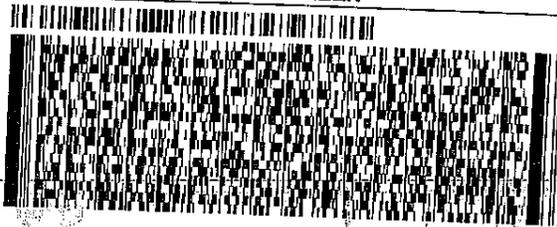
BILL SENDER

TO DAVE DUNLOP
TESTAMERICA
301 ALPHA DRIVE

PITTSBURGH PA 152381330

(412) 963-7058

REF: 018036-1171 BOLLER



58001/PRI13/108C

TRK# 9803 8535 2612
0201

TUE - 25 OCT 11
STANDARD OVERNIGHT

XH AGCA

15238
PA-US PIT



Pat # 154254-354 R1172 08/11

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Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-5201-1

Login Number: 5201

List Number: 1

Creator: O'Donell, Brandon R

List Source: TestAmerica Pittsburgh

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