

CBS Corporation

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

Via Electronic and First-Class Mail
August 16, 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 has managed the Remedial Program pursuant to the Order. This report addresses activities conducted in July 2012 and transmits the discharge monitoring report for this period.

1. Site Activities and Status

- A. The recovery and treatment system operated throughout July 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 July 13, 2012, CBS submitted to NYSDEC its proposed plan to closeout O&M activities.
- D. On July 18, 2012, CBS submitted to NYSDEC a monthly report on the status of O&M activities at the Site for June 2012. That status report also transmitted the discharge monitoring data for June 2012.

2. Sampling Results and Other Site Data

- A. In July 2012, the groundwater system recovered and treated an estimated 77,000 gallons.
- B. Attachment A provides the discharge monitoring report for July 2012 based on the effluent sample collected on July 25, 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 July 2012 reporting period, the effluent complied with all discharge limitations.

3. Upcoming Activities

A. CBS plans to meet with NYSDEC and representatives of the Niagara Frontier Transportation Authority on September 12, 2012 to review the plan and schedule for shutdown and closure of the recovery and treatment system. In the meantime, CBS will continue Site O&M activities.

4. Operational Problems

A. CBS' work plan for shutdown and closure of the recovery and treatment system will include a review of potential operational problems related to the shutdown and closure.

* * * *

David P. Locey, P.E. June 20, 2012 Page 3

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

Very truly yours,

Leo M. Brausch

Consultant/Project Engineer

LMB:

Attachments

cc: W. D. Wall, Esq.

M. G. Graham, Esq.

K. P. Lynch, CRA

C. D'Aloise, NFTA

ATTACHMENT A DISCHARGE MONITORING REPORT JULY 2012

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

Reporting Month & Year Jul-12

Paramet	ter	Daily Minimum	Daily Maximum	Units	Daily Maximum (lbs/day)	Measurement Frequency	Sample Type
Flow	Monitoring Result Discharge Limitation		2,937 28,800	gpd gpd		Continuous Continuous	Meter Meter
рН	Monitoring Result Discharge Limitation	7.15 6.5	7.34 8.5	s.u. s.u.		7 Weekly	Grab Grab
Total suspended solids	Monitoring Result Discharge Limitation		< 4.0 20	mg/L mg/L	< 0.10	1 Monthly	Grab Grab
Toluene	Monitoring Result Discharge Limitation		< 1.0 5	ug/L ug/L	< 0.00002	1 Monthly	Grab Grab
Methylene chloride	Monitoring Result Discharge Limitation		0.38 10	ug/L ug/L	0.000014	1 Monthly	Grab Grab
1,2-dichlorobenzene	Monitoring Result Discharge Limitation		< 1.0 5	ug/L ug/L	< 0.00003	1 Monthly	Grab Grab
cis-1,2-dichloroethylene	Monitoring Result Discharge Limitation		< 1.0 10	ug/L ug/L	< 0.00003	1 Monthly	Grab Grab
Trichloroethylene	Monitoring Result Discharge Limitation		< 1.0 10	ug/L ug/L	< 0.00003	1 Monthly	Grab Grab
Tetrachloroethylene	Monitoring Result Discharge Limitation		< 1.0 50	ug/L ug/L	< 0.00003	1 Monthly	Grab Grab
Cadmium	Monitoring Result Discharge Limitation		< 1.0 3	ug/L ug/L	< 0.00002	1 Monthly	Grab Grab
Chromium	Monitoring Result Discharge Limitation		1.2 99	ug/L ug/L	0.000029	1 Monthly	Grab Grab

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ATTACHMENT B ANALYTICAL LABORATORY REPORT JULY 2012 EFFLUENT SAMPLE



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: 180-12840-1 Client Project/Site: Buffalo Airport

Sampling Event: Effluent

For:

Leo Brausch Consulting 131 Wedgewood Drive Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch

Authorized for release by:

8/9/2012 4:37:58 PM Debra Bowen

Project Mgmt. Assistant

debra.bowen@testamericainc.com

Designee for

Jill Colussy

Project Manager I

jill.colussy@testamericainc.com

.....LINKS

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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: 180-12840-1

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4.0

Case Narrative

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-12840-1

Job ID: 180-12840-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative 180-12840-1

Receipt

The sample was received on 7/26/2012 @ 9:00 AM; the sample arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

pH is a field parameter and was analyzed outside of holding time at the request of the client.

Definitions/Glossary

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

Qualifier Description

TestAmerica Job ID: 180-12840-1

Qualifiers

GC/MS VOA

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

Metals

Qualifier

Qualifier	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 MDI or CDI if shown)

ND Not detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit
OC Quality Control

QC Quality Control RL Reporting Limit

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

9

3

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6

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11

Certification Summary

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-12840-1

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	06-27-13
California	NELAC	9	4224CA	03-31-13
Connecticut	State Program	1	PH-0688	09-30-12
Florida	NELAC	4	E871008	06-30-13
Illinois	NELAC	5	002602	06-30-13
Kansas	NELAC	7	E-10350	01-31-13
L-A-B	DoD ELAP		L2314	02-24-13
Louisiana	NELAC	6	04041	06-30-13
New Hampshire	NELAC	1	203011	04-04-13
New Jersey	NELAC	2	PA005	06-30-13
New York	NELAC	2	11182	04-01-13
North Carolina DENR	State Program	4	434	12-31-12
Pennsylvania	NELAC	3	02-00416	04-30-13
South Carolina	State Program	4	89014002	04-30-13
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	04-28-13
Utah	NELAC	8	STLP	04-30-13
Virginia	NELAC	3	460189	09-14-12
West Virginia DEP	State Program	3	142	01-31-13
Wisconsin	State Program	5	998027800	08-31-12

-

9

10

11

Sample Summary

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-12840-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-12840-1	EFF0712	Water	07/25/12 09:00	07/26/12 09:00

9

4

C

0

9

10

11

Method Summary

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-12840-1

TAL PIT

SM

Method Description	Protocol	Laboratory
Volatile Organic Compounds (GC/MS)	40CFR136A	TAL PIT
Metals (ICP)	EPA	TAL PIT
Solids, Total Suspended (TSS)	SM	TAL PIT

Protocol References:

Method

200.7 Rev 4.4

SM 4500 H+ B

SM 2540D

624

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: 180-12840-1

Client Sample ID: EFF0712 Date Collected: 07/25/12 09:00

Date Received: 07/26/12 09:00

pН

Lab Sample ID: 180-12840-1

08/03/12 16:04

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.38	J B	1.0	0.15	ug/L			07/28/12 21:19	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/28/12 21:19	1
Toluene	1.0	U	1.0	0.15	ug/L			07/28/12 21:19	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			07/28/12 21:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/28/12 21:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/28/12 21:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		58 - 135			_		07/28/12 21:19	1
4-Bromofluorobenzene (Surr)	92		62 - 123					07/28/12 21:19	1
Toluene-d8 (Surr)	98		71 - 118					07/28/12 21:19	1
Dibromofluoromethane (Surr)	110		64 - 128					07/28/12 21:19	1

92		62 - 123					07/28/12 21:19	1
98		71 - 118					07/28/12 21:19	1
110		64 - 128					07/28/12 21:19	1
P) - Total Rec	overable							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
5.0	U	5.0	0.15	ug/L		07/31/12 09:21	08/01/12 16:02	1
1.2	J	5.0	0.51	ug/L		07/31/12 09:21	08/01/12 16:02	1
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4.0	11	4.0	2.0	ma/l			07/24/42 44:02	
	P) - Total Rec Result 5.0 1.2	P) - Total Recoverable Result 5.0 Qualifier Result Qualifier	98 71 - 118 110 64 - 128 P) - Total Recoverable Result Qualifier RL 5.0 U 5.0 1.2 J 5.0	98 71 - 118 110 64 - 128 P) - Total Recoverable Result Qualifier RL MDL 5.0 U 5.0 0.15 1.2 J 5.0 0.51 Result Qualifier RL MDL	98 71 - 118	98 71 - 118	98 71 - 118 110 64 - 128 P) - Total Recoverable Result Qualifier RL MDL Unit D Prepared 5.0 U 5.0 0.15 ug/L 07/31/12 09:21 1.2 J 5.0 0.51 ug/L 07/31/12 09:21 Result Qualifier RL MDL Unit D Prepared	98 71 - 118 07/28/12 21:19 110 64 - 128 07/28/12 21:19 P) - Total Recoverable Result Qualifier RL MDL Unit D Prepared Prepared Prepared OR/01/12 16:02 5.0 U 5.0 0.51 ug/L 07/31/12 09:21 08/01/12 16:02 1.2 J 5.0 0.51 ug/L 07/31/12 09:21 08/01/12 16:02 Result Qualifier RL MDL Unit D Prepared Analyzed

0.100

7.21 HF

0.100 SU

TestAmerica Job ID: 180-12840-1

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

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

Lab Sample ID: MB 180-43135/4

Matrix: Water

Analysis Batch: 43135

Client Sample ID: Method Blank

Prep Type: Total/NA

	INID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.554	J	1.0	0.15	ug/L			07/28/12 15:43	1
Tetrachloroethene	1.0	U	1.0	0.15	ug/L			07/28/12 15:43	1
Toluene	1.0	U	1.0	0.15	ug/L			07/28/12 15:43	1
Trichloroethene	1.0	U	1.0	0.14	ug/L			07/28/12 15:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.15	ug/L			07/28/12 15:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			07/28/12 15:43	1

MB MB

MD MD

	Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1	1,2-Dichloroethane-d4 (Surr)	102		58 - 135	_		07/28/12 15:43	1
١.	4-Bromofluorobenzene (Surr)	99		62 - 123			07/28/12 15:43	1
'	Toluene-d8 (Surr)	99		71 - 118			07/28/12 15:43	1
1	Dibromofluoromethane (Surr)	105		64 - 128			07/28/12 15:43	1

Spike

Added

20.0

20.0

20.0

20.0

71 - 118

64 - 128

LCS LCS

18.4

22.4

22.0

22.3

21.6

20.4

Result Qualifier

Unit

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

Lab Sample ID: LCS 180-43135/3

Matrix: Water

Methylene Chloride

Tetrachloroethene

Trichloroethene

Analyte

Toluene

Analysis Batch: 43135

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

		Tiep Type. Totalitie	rep type. Total/NA
		%Rec.	ec.
D	%Rec	Limits	its
_	92	60 - 140	140
	112	73 127	127

74 - 126

73 - 125

68 - 127

69 - 127

110

112

108

102

1,2-Dichlorobenzene 20.0 20.0 cis-1,2-Dichloroethene LCS LCS Surrogate %Recovery Qualifier Limits 1,2-Dichloroethane-d4 (Surr) 98 58 - 135 4-Bromofluorobenzene (Surr) 98 62 - 123

105

108

Lab Sample ID: 180-12821-A-1 MS

Matrix: Water

Toluene-d8 (Surr)

Analysis Batch: 43135

Dibromofluoromethane (Surr)

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

Sample	Sample	Spike	MS	MS				%Rec.	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1.3	В	20.0	16.5		ug/L		76	60 - 140	
1.0	U	20.0	20.5		ug/L		103	73 - 127	
1.0	U	20.0	19.9		ug/L		99	74 - 126	
1.0	U	20.0	19.6		ug/L		98	73 - 125	
1.0	U	20.0	18.0		ug/L		90	68 - 127	
1.0	U	20.0	18.0		ug/L		90	69 - 127	
	Result 1.3 1.0 1.0 1.0 1.0	Sample Result Qualifier	Result Qualifier Added 1.3 B 20.0 1.0 U 20.0	Result Qualifier Added Result 1.3 B 20.0 16.5 1.0 U 20.0 20.5 1.0 U 20.0 19.9 1.0 U 20.0 19.6 1.0 U 20.0 18.0	Result Qualifier Added Result Qualifier 1.3 B 20.0 16.5 1.0 U 20.0 20.5 1.0 U 20.0 19.9 1.0 U 20.0 19.6 1.0 U 20.0 18.0	Result Qualifier Added Result Qualifier Unit 1.3 B 20.0 16.5 ug/L 1.0 U 20.0 20.5 ug/L 1.0 U 20.0 19.9 ug/L 1.0 U 20.0 19.6 ug/L 1.0 U 20.0 18.0 ug/L	Result Qualifier Added Result Qualifier Unit D 1.3 B 20.0 16.5 ug/L 1.0 U 20.0 20.5 ug/L 1.0 U 20.0 19.9 ug/L 1.0 U 20.0 19.6 ug/L 1.0 U 20.0 18.0 ug/L	Result Qualifier Added Result Qualifier Unit D %Rec 1.3 B 20.0 16.5 ug/L 76 1.0 U 20.0 20.5 ug/L 103 1.0 U 20.0 19.9 ug/L 99 1.0 U 20.0 19.6 ug/L 98 1.0 U 20.0 18.0 ug/L 90	Result Qualifier Added Result Qualifier Unit D %Rec Limits 1.3 B 20.0 16.5 ug/L 76 60 - 140 1.0 U 20.0 20.5 ug/L 103 73 - 127 1.0 U 20.0 19.9 ug/L 99 74 - 126 1.0 U 20.0 19.6 ug/L 98 73 - 125 1.0 U 20.0 18.0 ug/L 90 68 - 127

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	83		58 - 135
4-Bromofluorobenzene (Surr)	85		62 - 123
Toluene-d8 (Surr)	98		71 - 118
Dibromofluoromethane (Surr)	95		64 - 128

TestAmerica Job ID: 180-12840-1

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

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

Lab Sample ID: 180-12821-A-1 MSD	Client Sample ID: Matrix Spike Duplicate
Matrix: Water	Prep Type: Total/NA
Analysis Ratch: 43135	

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methylene Chloride	1.3	В	20.0	16.0		ug/L		74	60 - 140	3	25
Tetrachloroethene	1.0	U	20.0	20.9		ug/L		104	73 - 127	1	25
Toluene	1.0	U	20.0	19.3		ug/L		96	74 - 126	3	25
Trichloroethene	1.0	U	20.0	19.0		ug/L		95	73 - 125	3	25
1,2-Dichlorobenzene	1.0	U	20.0	18.8		ug/L		94	68 - 127	5	35
cis-1,2-Dichloroethene	1.0	U	20.0	17.3		ug/L		86	69 - 127	4	20

MSD MSD %Recovery Qualifier Limits Surrogate 58 - 135 1,2-Dichloroethane-d4 (Surr) 87 62 - 123 4-Bromofluorobenzene (Surr) 92 71 - 118 Toluene-d8 (Surr) 99 Dibromofluoromethane (Surr) 96 64 - 128

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 180-43324/1-A Client Sample ID: Method Blank **Prep Type: Total Recoverable**

Matrix: Water

Analysis Batch: 43571								Prep Batcl	n: 43324
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0	U	5.0	0.15	ug/L		07/31/12 09:21	08/01/12 14:56	1

Chromium 5.0 U 5.0 0.51 ug/L 07/31/12 09:21 08/01/12 14:56 Lab Sample ID: LCS 180-43324/2-A **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 43571

	Spike	LCS	LCS				%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Cadmium	50.0	49.5		ug/L		99	85 - 115		
Chromium	200	191		ua/L		95	85 _ 115		

Lab Sample ID: 180-12914-A-1-B MS Client Sample ID: Matrix Spike **Matrix: Water Prep Type: Total Recoverable**

Analysis Batch: 43571									Pre	Batch: 43324
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cadmium	5.0	U	50.0	49.4		ug/L		99	70 - 130	
Chromium	5.0	U	200	191		ua/L		96	70 - 130	

Lab Sample ID: 180-12914-A-1-C MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Water Prep Type: Total Recoverable**

Analysis Batch: 43571

Analysis Batch: 43571									Pre	Batch:	43324
	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	49.8		ug/L		100	70 - 130	1	20
Chromium	5.0	U	200	197		ug/L		99	70 - 130	3	20

Prep Type: Total Recoverable

Prep Batch: 43324

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-12840-1

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client Sample ID: Duplicate

Client Sample ID: Duplicate

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

Lab Sample ID: MB 180-43325/2

Matrix: Water

Analysis Batch: 43325

мв мв

Result Qualifier RL MDL Unit Dil Fac Analyte D Prepared Analyzed 4.0 Total Suspended Solids 4.0 U 2.0 mg/L 07/31/12 09:22

Lab Sample ID: LCS 180-43325/1

Matrix: Water

Analysis Batch: 43325

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Total Suspended Solids 93.6 82.0 mg/L 88 80 - 120

Lab Sample ID: 180-12813-A-5 DU

Matrix: Water

Analysis Batch: 43325

Sample Sample

DU DU RPD Result Qualifier Result Qualifier Unit **RPD** Limit Total Suspended Solids 7.2 8.40 20 mg/L

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 180-43824/1

Matrix: Water

Analysis Batch: 43824

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits 7.00 6.990 SU 100 99 _ 101 pН

Lab Sample ID: 180-12788-G-1 DU

Matrix: Water

Analysis Batch: 43824

Sample Sample DU DU RPD Result Qualifier Result Qualifier RPD Analyte Unit Limit pН 7.74 7.740 SU 2

> TestAmerica Pittsburgh 8/9/2012

QC Association Summary

Client: Leo Brausch Consulting Project/Site: Buffalo Airport

TestAmerica Job ID: 180-12840-1

GC/MS VOA

Analysis Batch: 43135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-12821-A-1 MS	Matrix Spike	Total/NA	Water	624	
180-12821-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	624	
180-12840-1	EFF0712	Total/NA	Water	624	
LCS 180-43135/3	Lab Control Sample	Total/NA	Water	624	
MB 180-43135/4	Method Blank	Total/NA	Water	624	

Metals

Prep Batch: 43324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-12840-1	EFF0712	Total Recoverable	Water	200.7	
180-12914-A-1-B MS	Matrix Spike	Total Recoverable	Water	200.7	
180-12914-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7	
LCS 180-43324/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
MB 180-43324/1-A	Method Blank	Total Recoverable	Water	200.7	

Analysis Batch: 43571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-12840-1	EFF0712	Total Recoverable	Water	200.7 Rev 4.4	43324
180-12914-A-1-B MS	Matrix Spike	Total Recoverable	Water	200.7 Rev 4.4	43324
180-12914-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	200.7 Rev 4.4	43324
LCS 180-43324/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	43324
MB 180-43324/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	43324

General Chemistry

Analysis Batch: 43325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-12813-A-5 DU	Duplicate	Total/NA	Water	SM 2540D	
180-12840-1	EFF0712	Total/NA	Water	SM 2540D	
LCS 180-43325/1	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 180-43325/2	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 43824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-12788-G-1 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	
180-12840-1	EFF0712	Total/NA	Water	SM 4500 H+ B	
LCS 180-43824/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

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Chain of Custody Record

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	Date/Time:	7-25-12 Date/Time:	Date/Time: 7-		Poison B Unknown 🗀							725-12 9:00		Sample Date Time	SSOW#:	117	WO#	Po#: Purchase Order not requir		TAT Requested (days):	Due Date Requested:		7	Sampley Lock Sol	
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C C		2	ime:	Spec		Sam						Water	ode: XXI	Field Filtered Perform MS/	(SD)(Y			a):	4,53				E-Mail: jill.colussy@t	Lab PM: Colussy, Jill L	
Coolei Temperature(s) °C and Other Remarks:	Received by:	Received by:		Special Instructions/QC Requirements:	ent	Sample Disposal (A fee may be a						/ / 3	A STATE OF THE STA	2540D, SM4500 200.7 - (MOD) S 624_25ml - (MO	pecial			st				Analysis Req	E-Malt: jill.colussy@testamericainc.com		
narks	Date/Time:	Date/Time:	Method of Shipment:	68:	osal By Lab	mav be assessed if samples are refain	100 A		# 00 TO					Total Number	of cor	tainer	S					Requested	-	Carrier Tracking No(s):	-
	Company	Company			Archive For Months	are refained longer than 1 month)		 	- -			 	· · · · · · · · · · · · · · · · · · ·	Special Instructions/Note:	Other:	K-EDTA W-ph 4-5 L-EDA Z-other (specify)		Σ	¥ 5. 8		ation Code	# do t	Page: Page 1 of 1	COC No: 1/80-3303-57.1	THE LEADER IN ENVIRONMENTAL TESTING

Client: Leo Brausch Consulting

Job Number: 180-12840-1

Login Number: 12840 List Source: TestAmerica Pittsburgh

List Number: 1 Creator: Ras, Erin F

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

TestAmerica Pittsburgh