



CBS Corporation

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

May 20, 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, April 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 status report on activities undertaken in April 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. 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 April 11, 2014, CBS submitted to NYSDEC a monthly report on the status of activities at the Site in March 2014.
- B. On April 15, 2014, CBS and NFTA representatives met with NYSDEC to discuss the scope of the Site Management Plan.
- C. On April 16, 2014, CBS and NFTA representatives met with NYSDEC to review storm sewer monitoring locations downgradient of the 003 segment of the groundwater collection system.
- D. NFTA finalized and filed the Environmental Easement for the portion of the airport property that was formerly the Westinghouse Electric Corporation site.

- E. CBS continued preparations to implement the approved work plan for closure of the OU2 groundwater collection and treatment system, including meeting with NFTA operations personnel to discuss logistical issues. Conestoga-Rovers & Associates, Inc. (CRA) will serve as the prime contractor for this activity.

2. Sampling Results and Other Site Data

- A. Table 1 presents the results of quarterly monitoring of well MW-32, including the most-recent sample collected on March 31, 2014. Attachment A includes the analytical laboratory report for this monitoring well sample.
- B. Figure 1 shows target volatile organic compound (VOC) concentrations over time at well MW-32 beginning with the initial post-remedial monitoring in May 2000. As shown in Figure 1, total target VOC concentrations decreased significantly at well MW-32 following *in situ* chemical oxidation (ISCO) treatment. Figure 2 provides a graph versus time of target VOC concentration at well MW-32 following the four rounds of ISCO treatment (October 2006). VOC concentrations continue to decrease at this well, and the latest observed concentration reflects a 97-percent reduction from pre-treatment levels.
- C. CBS developed no other sampling or other Site data during the April 2014 reporting period.

3. Upcoming Activities

- A. CRA will submit the electronic data deliverable for the quarterly groundwater monitoring at well MW-32 that was completed in March 2014 for incorporation in the NYSDEC EQuIS database.
- B. CBS and NFTA will work with NYSDEC to finalize the locations for surface water sampling downgradient of the 003 segment of the groundwater collection system.
- C. CBS will resume operation of the on-site groundwater treatment plant for the duration of the OU2 closure activities.
- D. CBS will implement the approved work plan for closure of the OU2 groundwater collection and treatment system. Site work is expected to take approximately six weeks.

David P. Locey

May 20, 2014

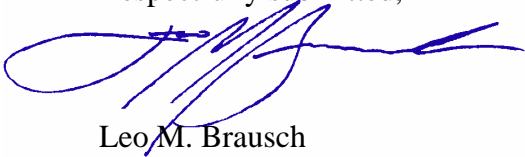
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4. Operational Problems

- A. There are no operational problems affecting the current planning 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 contact me.

Respectfully submitted,



Leo M. Brausch
Consultant/Project Engineer

LMB:

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

TABLE

Table 1
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
05/11/00	1,500	5 U	5 U	3,700	540	5 U	3 U
12/01/00	2,200	5 U	5 U	1,200	110	1 U	10 U
12/01/00 (Dup)	2,300	10 U	10 U	1,900	230 J	NA	NA
03/30/01	1,600	100 U	100 U	650	340	5 U	3 U
03/30/01 (Dup)	1,500	100 U	100 U	610	310	5 U	3 U
06/21/01	2,800	250 U	250 U	4,100	890	5 U	3 U
06/21/01 (Dup)	2,700	250 U	250 U	4,000	830	5 U	3 U
09/13/01	4,000	250 U	250 U	2,900	1,000	0.70 J	3 U
09/13/01 (Dup)	4,100	250 U	250 U	2,800	1,100	0.83 J	3 U
12/13/01	2,300	200 U	200 U	2,500	590	5 U	3 U
12/31/01 (Dup)	2,200	200 U	200 U	2,400	560	5 U	3 U
03/14/02	560	250 U	250 U	730	98	5 U	3 U
03/14/02 (Dup)	570	250 U	250 U	710	100	5 U	3 U
07/10/02	1,200	NA	NA	2,000	190	NA	NA
12/31/02	480	NA	50 U	530	66	0.34 J	4.9
12/31/02 (Dup)	510	NA	50 U	580	77	5 U	4.7
03/29/03	1,000	80 U	80 U	740	150	5 U	3 U
06/17/03	1,100	200 U	200 U	2,400	130 J	0.34 J	4.9
06/17/03 (Dup)	1,100	100 U	100 U	1,700	110	5 U	3 U
09/26/03	2,800	100 U	100 U	8,100	310 J	5 U	3 U
12/22/03	1,000	100 U	100 U	1,300	97 J	5 U	1.1 J
03/29/04	460	10 U	10 U	570	20 J	5 U	3 U
06/30/04	620	200 U	200 U	1,900	200 U	5 U	3 U
09/13/04	2,100	200 U	200 U	2,900	130 J	5 U	1.8 J
12/17/04	640	10 U	10 U	420	45	5 U	3 U
12/17/04 (Dup)	760	50 U	50 U	790	50 J	5 U	2.3 J
03/31/05	570	50 U	50 U	680	49 J	5 U	3 U
06/22/05	540	10 U	10 U	810	100	5 U	3 U
06/22/05 (Dup)	1,100	100 U	100 U	880	140	5 U	3 U

Table 1
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
09/09/05	1,400	330 U	330 U	1,700	96 J	5 U	3 U
12/14/05	900	10 U	10 U	700	56	5 U	3 U
12/14/05 (Dup)	1,200	100 U	100 U	750	68 J	5 U	3 U
03/23/06	350	30 U	30 U	290	36	5 U	3 U
06/13/06	410	50 U	50 U	440	13 J	5 U	3 U
06/13/06 (Dup)	540	50 U	50 U	880	51	5 U	3 U
09/11/06	1,400	150 U	150 U	2,000	85 J	0.34 J	4.9 J
12/12/06	290	40 U	40 U	67	42 J	5 U	1.2 B
12/12/06 (Dup)	590	50 U	50 U	240	75 J	5 U	3.1
03/27/07	380	10 U	10 U	22	36 J	5 U	2.4 J
06/26/07	1,700	150 U	150 U	23 J	710	5 U	1.5 J
09/17/07	2,500	150 U	150 U	410	140	5 U	1.5 J
12/19/07	1,500	150 U	150 U	160	200	0.29 J	3.0
12/19/07 (Dup)	1,500	100 U	100 U	170	200	5 U	3 U
03/19/08	530	40 U	40 U	110	53	0.38 J	2.2 J
06/26/08	520	50 U	50 U	310	27 J	5 U	1 U
09/30/08	420	50 U	50 U	120	48	5 U	1 U
12/11/08	200	20 U	20 U	200	9.9 J	5 U	5.4
12/11/08 (Dup)	170	10 U	10 U	180	9.0 J	5 U	3.5
03/05/09	280	20 U	20 U	170	25	0.090 J	4.1
06/22/09	430	40 U	40 U	590	22 J	5 U	1.6 J
06/22/09 (Dup)	410	40 U	40 U	540	24 J	5 U	3.4
09/10/09	320	25 U	25 U	330	26	5 U	3.8
12/07/09	390	50 U	50 U	370	17 J	5 U	2.5 J
12/07/09 (Dup)	380	50 U	50 U	370	16 J	5 U	1.1 J
03/22/10	360	25 U	25 U	160	25 J	5 U	3.1
06/14/10	260	20 U	20 U	250	18 J	5 U	2.5 J
09/03/10	240	20 U	20 U	240	17 J	5 U	3 U
12/21/10	400	50 U	50 U	290	22 J	5 U	3 U
03/24/11	210	20 U	20 U	130	11 J	5 U	3 U
06/14/11	190	5 U	5 U	210	11	5 U	1.6 J

Table 1
Summary of Groundwater Monitoring Data, Well MW-32
NYSDEC Site No. 9-15-066, Cheektowaga, New York

Date of Sampling	Constituent Concentration (ug/L)						
	cis-1,2-dichloroethylene	Toluene	1,1,1-trichloroethane	Trichloroethylene	Vinyl Chloride	Cadmium	Lead
09/09/11	330	10 U	10 U	410	32	5 U	3 U
12/16/11	230	13 U	13 U	280	19	5 U	3 U
03/13/12	230	5 U	5 U	260	13	0.19 J	3 U
06/19/12	210	25 U	25 U	200	11 J	5 U	1.4 J
09/27/12	540	25 U	25 U	430	45	0.13 J	3.0
12/19/12	430	5 U	5 U	530	19	5 U	3.1
03/18/13	200	5 U	5 U	220	15	0.13 J	3 U
06/20/13	180	5 U	5 U	220	9.6	5 U	1.4 J
09/26/13	250	5 U	5 U	210	26	5 U	3.0 J
12/19/13	57	5 U	5 U	40	2.3 J	5 U	10 U
12/19/13 (Dup)	57	5 U	5 U	40	2.3 J	5 U	10 U
03/31/14	150	5 U	5 U	6.1	5 U	0.40 J	10 U

Data Legend:

"NA" - indicates not analyzed

Detections and estimated values are in **bold-face** type.

For clarity, the results of the most-recent sampling round are highlighted in light green.

Data qualifiers:

U - not detected at indicated reporting limit

J - estimated concentration above minimum detection limit (MDL), but below RL.

FIGURES

Figure 1: Total Target VOCs at MW-32

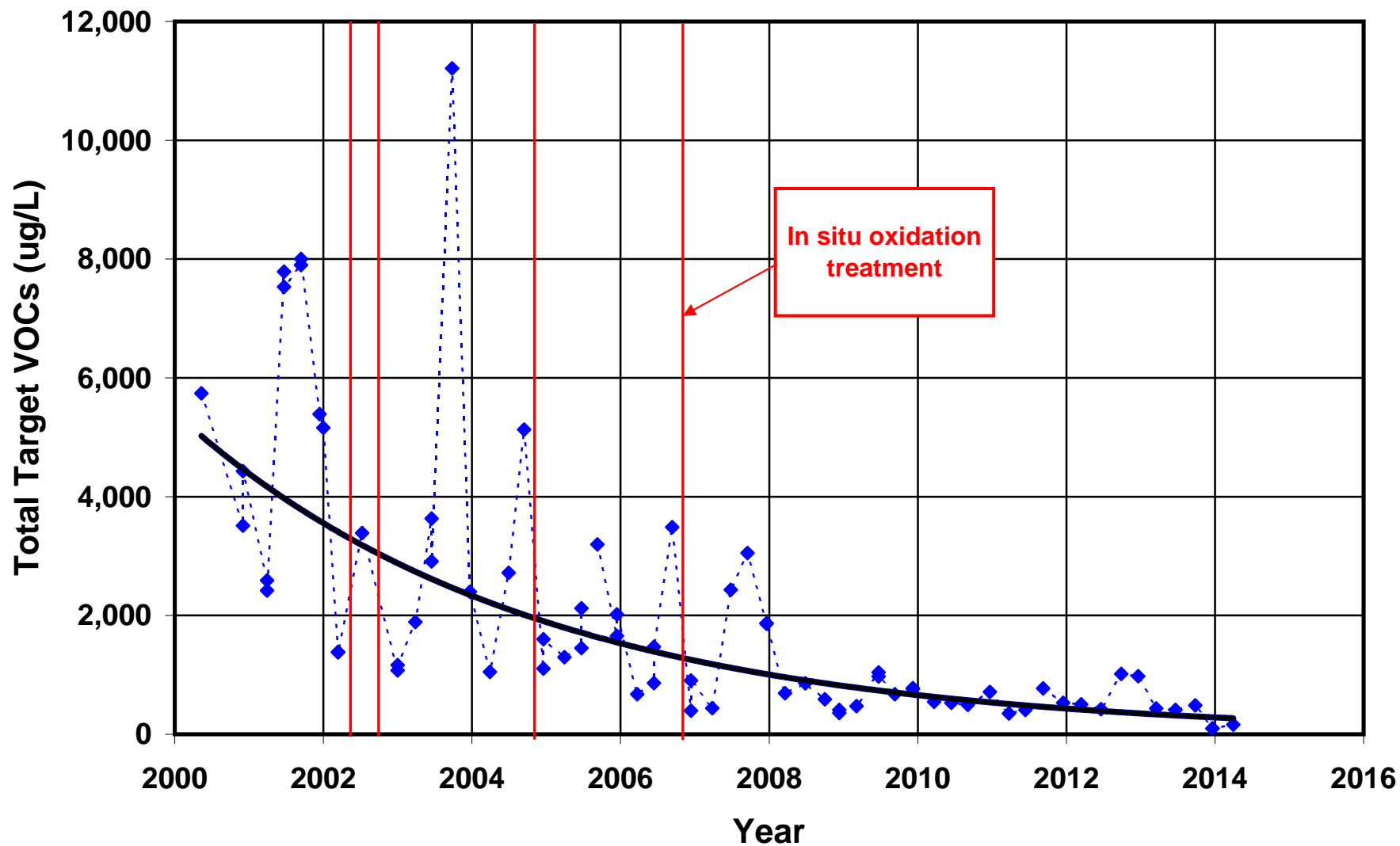
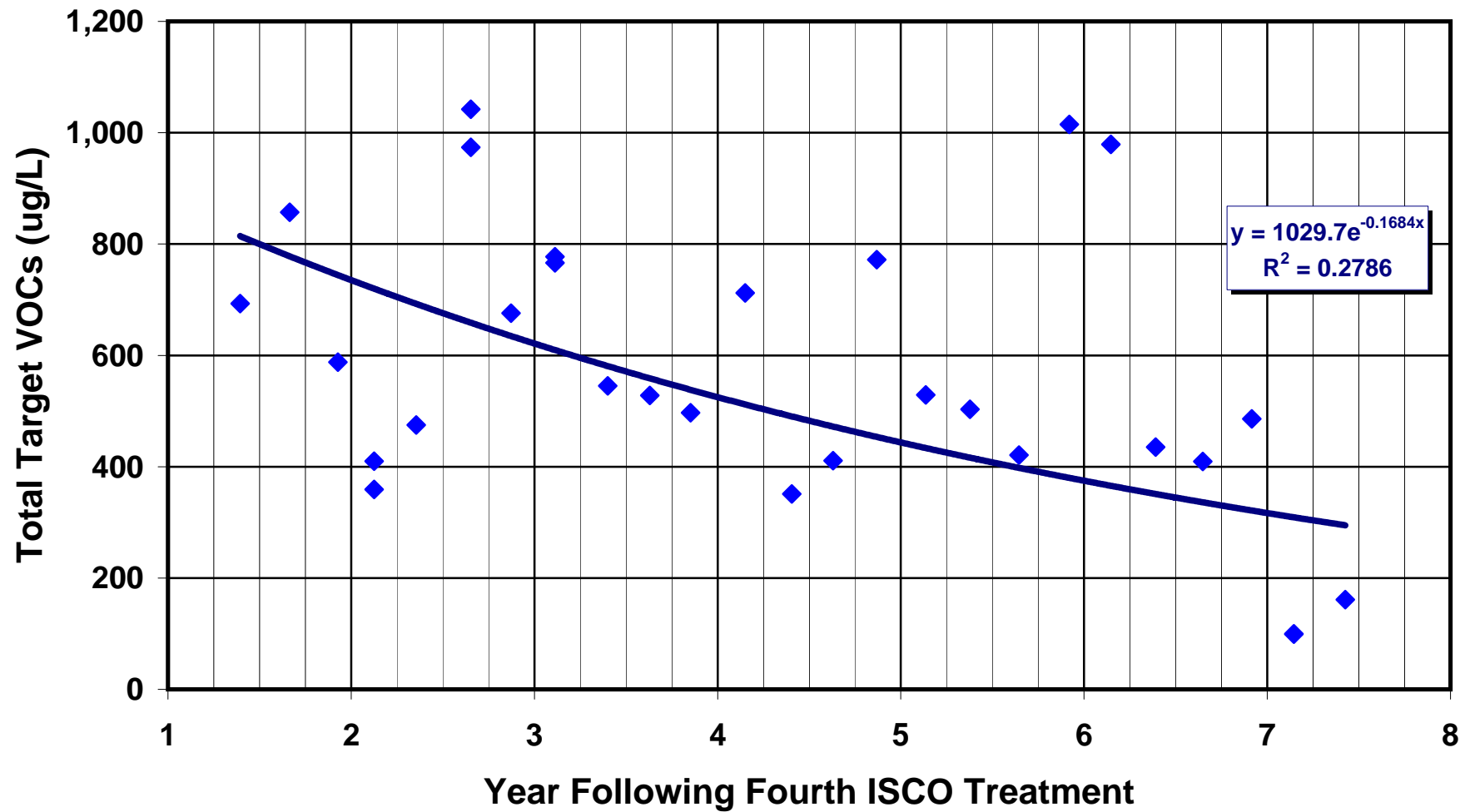


Figure 2: Total Target VOCs at MW-32
Following ISCO Treatment



ATTACHMENT A
ANALYTICAL LABORATORY REPORT
MW-32 SAMPLING – MARCH 2014

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: 180-31197-1

Client Project/Site: Buffalo Airport

For:

Leo Brausch Consulting

131 Wedgewood Drive

Gibsonia, Pennsylvania 15044

Attn: Mr. Leo Brausch



Authorized for release by:

4/15/2014 12:08:56 PM

Jill Colussy, Project Manager I

(412)963-2444

jill.colussy@testamericainc.com

LINKS

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results through

TotalAccess

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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.

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Case Narrative

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-31197-1

Job ID: 180-31197-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-31197-1

Receipt

The samples were received on 4/1/2014 10:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA

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

Metals

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: 180-31197-1

Qualifiers

GC/MS VOA

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

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.
α	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
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: 180-31197-1

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	06-27-14
California	NELAP	9	4224CA	03-31-14 *
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-14
Illinois	NELAP	5	002602	06-30-14
Kansas	NELAP	7	E-10350	01-31-15
Louisiana	NELAP	6	04041	06-30-14
New Hampshire	NELAP	1	203011	04-05-14 *
New Jersey	NELAP	2	PA005	06-30-14
New York	NELAP	2	11182	03-31-15
North Carolina DENR	State Program	4	434	12-31-14
Pennsylvania	NELAP	3	02-00416	04-30-14 *
South Carolina	State Program	4	89014	04-30-14 *
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	04-30-14 *
Virginia	NELAP	3	460189	09-14-14
West Virginia DEP	State Program	3	142	01-31-14 *
Wisconsin	State Program	5	998027800	08-31-14

* Expired certification is currently pending renewal and is considered valid.



Sample Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-31197-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-31197-1	WG-18036-033114-001	Water	03/31/14 10:10	04/01/14 10:10
180-31197-2	TB-18036-033114	Water	03/31/14 00:00	04/01/14 10:10

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Method Summary

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-31197-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PIT
6010B	Metals (ICP)	SW846	TAL PIT

Protocol References:

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: 180-31197-1

Client Sample ID: WG-18036-033114-001

Lab Sample ID: 180-31197-1

Date Collected: 03/31/14 10:10

Matrix: Water

Date Received: 04/01/14 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	102559	04/14/14 08:37	KLG	TAL PIT
Instrument ID: CHHP7										
Total/NA	Prep	3005A			50 mL	50 mL	101960	04/08/14 06:31	RJR	TAL PIT
Total/NA	Analysis	6010B		1	50 mL	50 mL	102386	04/10/14 08:31	RJG	TAL PIT
Instrument ID: Q										

Client Sample ID: TB-18036-033114

Lab Sample ID: 180-31197-2

Date Collected: 03/31/14 00:00

Matrix: Water

Date Received: 04/01/14 10:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	102559	04/14/14 09:31	KLG	TAL PIT
Instrument ID: CHHP7										

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

RJR = Ron Rosenbaum

Batch Type: Analysis

KLG = Kathy Gordon

RJG = Rob Good

Client Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-31197-1

Client Sample ID: WG-18036-033114-001

Lab Sample ID: 180-31197-1

Date Collected: 03/31/14 10:10

Matrix: Water

Date Received: 04/01/14 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			04/14/14 08:37	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			04/14/14 08:37	1
cis-1,2-Dichloroethene	150		5.0	0.67	ug/L			04/14/14 08:37	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			04/14/14 08:37	1
Trichloroethene	6.1		5.0	0.80	ug/L			04/14/14 08:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		62 - 123		04/14/14 08:37	1
Toluene-d8 (Surr)	87		80 - 120		04/14/14 08:37	1
4-Bromofluorobenzene (Surr)	78		75 - 120		04/14/14 08:37	1
Dibromofluoromethane (Surr)	102		80 - 120		04/14/14 08:37	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.40	J	5.0	0.17	ug/L		04/08/14 06:31	04/10/14 08:31	1
Lead	10	U	10	1.5	ug/L		04/08/14 06:31	04/10/14 08:31	1

Client Sample ID: TB-18036-033114

Lab Sample ID: 180-31197-2

Date Collected: 03/31/14 00:00

Matrix: Water

Date Received: 04/01/14 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			04/14/14 09:31	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			04/14/14 09:31	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			04/14/14 09:31	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			04/14/14 09:31	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			04/14/14 09:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		62 - 123		04/14/14 09:31	1
Toluene-d8 (Surr)	81		80 - 120		04/14/14 09:31	1
4-Bromofluorobenzene (Surr)	80		75 - 120		04/14/14 09:31	1
Dibromofluoromethane (Surr)	101		80 - 120		04/14/14 09:31	1

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-31197-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 180-102559/8

Matrix: Water

Analysis Batch: 102559

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	5.0	U	5.0	0.85	ug/L			04/14/14 04:53	1
Vinyl chloride	5.0	U	5.0	1.3	ug/L			04/14/14 04:53	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.67	ug/L			04/14/14 04:53	1
1,1,1-Trichloroethane	5.0	U	5.0	1.0	ug/L			04/14/14 04:53	1
Trichloroethene	5.0	U	5.0	0.80	ug/L			04/14/14 04:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 123		04/14/14 04:53	1
Toluene-d8 (Surr)	100		80 - 120		04/14/14 04:53	1
4-Bromofluorobenzene (Surr)	89		75 - 120		04/14/14 04:53	1
Dibromofluoromethane (Surr)	113		80 - 120		04/14/14 04:53	1

Lab Sample ID: LCS 180-102559/9

Matrix: Water

Analysis Batch: 102559

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	40.0	36.3		ug/L		91	80 - 124
Vinyl chloride	40.0	37.7		ug/L		94	57 - 128
cis-1,2-Dichloroethene	40.0	39.3		ug/L		98	82 - 116
1,1,1-Trichloroethane	40.0	42.6		ug/L		107	69 - 134
Trichloroethene	40.0	38.1		ug/L		95	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		62 - 123
Toluene-d8 (Surr)	99		80 - 120
4-Bromofluorobenzene (Surr)	86		75 - 120
Dibromofluoromethane (Surr)	108		80 - 120

Lab Sample ID: LCSD 180-102559/10

Matrix: Water

Analysis Batch: 102559

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
Toluene	40.0	35.6		ug/L		89	80 - 124	2	20
Vinyl chloride	40.0	37.9		ug/L		95	57 - 128	1	26
cis-1,2-Dichloroethene	40.0	39.9		ug/L		100	82 - 116	1	20
1,1,1-Trichloroethane	40.0	42.8		ug/L		107	69 - 134	0	24
Trichloroethene	40.0	37.6		ug/L		94	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		62 - 123
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	84		75 - 120
Dibromofluoromethane (Surr)	106		80 - 120

TestAmerica Pittsburgh

QC Sample Results

Client: Leo Brausch Consulting
Project/Site: Buffalo Airport

TestAmerica Job ID: 180-31197-1

Method: 6010B - Metals (ICP)

Lab Sample ID: 180-31197-1 MS

Matrix: Water

Analysis Batch: 102386

Client Sample ID: WG-18036-033114-001

Prep Type: Total/NA

Prep Batch: 101960

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier		Result	Qualifier				Limits	Limits
Cadmium	0.40	J	50.0	49.8		ug/L		99	75 - 125	
Lead	10	U	500	523		ug/L		105	75 - 125	

Lab Sample ID: 180-31197-1 MSD

Matrix: Water

Analysis Batch: 102386

Client Sample ID: WG-18036-033114-001

Prep Type: Total/NA

Prep Batch: 101960

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	RPD
	Result	Qualifier		Result	Qualifier				Limits	Limits	RPD	Limit
Cadmium	0.40	J	50.0	49.3		ug/L		98	75 - 125		1	20
Lead	10	U	500	515		ug/L		103	75 - 125		2	20

Lab Sample ID: MB 180-101960/1-A

Matrix: Water

Analysis Batch: 102386

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 101960

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cadmium	5.0	U	5.0	0.17	ug/L		04/08/14 06:31	04/10/14 08:20	1
Lead	10	U	10	1.5	ug/L		04/08/14 06:31	04/10/14 08:20	1

Lab Sample ID: LCS 180-101960/2-A

Matrix: Water

Analysis Batch: 102386

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 101960

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	
							Result	Qualifier
Cadmium	50.0	50.0		ug/L		100	80 - 120	
Lead	500	516		ug/L		103	80 - 120	

QC Association Summary

Client: Leo Brausch Consulting
 Project/Site: Buffalo Airport

TestAmerica Job ID: 180-31197-1

GC/MS VOA

Analysis Batch: 102559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-31197-1	WG-18036-033114-001	Total/NA	Water	8260B	
180-31197-2	TB-18036-033114	Total/NA	Water	8260B	
LCS 180-102559/9	Lab Control Sample	Total/NA	Water	8260B	
LCSD 180-102559/10	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 180-102559/8	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 101960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-31197-1	WG-18036-033114-001	Total/NA	Water	3005A	
180-31197-1 MS	WG-18036-033114-001	Total/NA	Water	3005A	
180-31197-1 MSD	WG-18036-033114-001	Total/NA	Water	3005A	
LCS 180-101960/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 180-101960/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 102386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-31197-1	WG-18036-033114-001	Total/NA	Water	6010B	101960
180-31197-1 MS	WG-18036-033114-001	Total/NA	Water	6010B	101960
180-31197-1 MSD	WG-18036-033114-001	Total/NA	Water	6010B	101960
LCS 180-101960/2-A	Lab Control Sample	Total Recoverable	Water	6010B	101960
MB 180-101960/1-A	Method Blank	Total Recoverable	Water	6010B	101960



CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

Address: NIAGARA FALLS OFFICE
Phone: _____ Fax: _____

COC NO.: 44704
PAGE 1 OF 1

(See Reverse Side for Instructions)

Project No./ Phase/Task/Code:
18030-1231

Project Name:
VIADUCT Hwy 6W SAMPLING (MW-32)

Project Location:
BUFFALO AIRPORT

Chemistry Contact:
S GARDNER

Laboratory Name:
TEST AMERICA PITTSBURGH

Lab Contact:
GILL COUSSY

Lab Location:
PITTSBURGH

Lab Quote No.: _____

SSOW ID: _____

Cooler No: _____

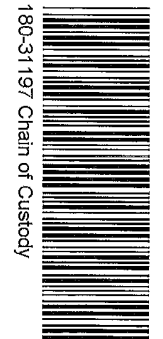
Carrier:
FED EX

Airbill No: _____

Carrier:
FED EX

Date Shipped:
3/31/14

Special Instructions:
MS/MSD Request



180-31197 Chain of Custody

Item	SAMPLE IDENTIFICATION <small>(Containers for each sample may be combined on one line)</small>	DATE <small>(mm/dd/yyyy)</small>	TIME <small>(hh:mm)</small>	Matrix Code <small>(see back of COC)</small>	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO ₃)	Sulfuric Acid (H ₂ SO ₄)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	ANALYSIS REQUESTED <small>(See Back of COC for Definitions)</small>	MS/MSD Request	COMMENTS/ SPECIAL INSTRUCTIONS:
1	WG-18030-033114-001	3/31/14	1010	WG B			X	X						4	3	1	
2	TB-18030-033114	3/31/14		TB B			X							3	3		
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

TAT Required in business days (use separate COCs for different TATs):

1 Day 2 Days 3 Days 1 Week 2 Week Other:

Total Number of Containers: 7
All Samples in Cooler must be on COC

Notes/ Special Requirements: CS 3/31/14

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
<u>Sheron Gardner</u>	<u>CRA</u>	<u>3/31/14</u>	<u>1030</u>	<u>Debra Weston</u>	<u>TAP</u>	<u>4/1/14</u>	<u>10:10</u>

Login Sample Receipt Checklist

Client: Leo Brausch Consulting

Job Number: 180-31197-1

Login Number: 31197

List Number: 1

Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh

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	